NASA

Aerospace Medicine and Biology 1986 Cumulative Index NASA SP-7011(293) January 1987

National Aeronautics and Space Administration

lerospace Medicine & Biology pace Medicine & Biology Aero Medicine & Biology Aerospac licine & Biology Aerospace M e & Biology Aerospace Medici Biology Aerospace Medicine & I y Aerospace Medicine & Biology A rospace Medicine & Biology A ace Medicine & Biology Aeros ledicine & Biology Aerospace ine & Biology Aerospace Medicine & Riology Aerospace Medicine &

# A CUMULATIVE INDEX TO A CONTINUING BIBLIOGRAPHY ON

# **AEROSPACE MEDICINE AND BIOLOGY**

This Cumulative Index supersedes the indexes contained in supplements [SP-7011(281) through SP-7011(292)] published by NASA during 1986.



# INTRODUCTION

### WHAT THIS CUMULATIVE INDEX IS

This publication is a cumulative index to the abstracts contained in NASA SP-7011(281) through NASA SP-7011(292) of Aerospace Medicine and Biology: A Continuing Bibliography, NASA SP-7011, and by means of supplements, serves as a current abstracting and announcement journal for references on bioscience and biotechnology. It has been compiled through the cooperative efforts of the American Institute of Aeronautics and Astronuatics (AIAA), and the National Aeronautics and Space Administration (NASA). Entries prepared by the two contributing organizations are identified as follows:

- 1. NASA entries by their STAR accession numbers (N86-10000).
- 2. AIAA entries by their IAA accession numbers (A86-10000 series).

### **HOW THIS CUMULATIVE INDEX IS ORGANIZED**

This Cumulative Index includes a subject, personal author, corporate source, foreign technology, contract number, report number, and accession number index.

### **HOW TO USE THE SUBJECT INDEX**

Two types of cross-references appear in the subject index:

1. Use (U) references indicate that the subject term is not "postable," i.e., not a valid term, and that the following term or terms are used instead. For example:

**DOSE** 

U DOSAGE

**AIRLINERS** 

- U COMMERCIAL AIRCRAFT
- U PASSENGER AIRCRAFT
- 2. Narrower Term (NT) references refer the user to more specific headings in the same subject area, under which additional material on the subject may be found. For example:

**FATIGUE (BIOLOGY)** 

NT AUDITORY FATIGUE

NT FLIGHT FATIGUE

NT MUSCULAR FATIGUE

In addition, a searcher may use the title or title and title extension in the index to narrow further his quest for particular items; this is because subject terms may include documents on different aspects of the same subject term. For example:

**BIOLOGICAL EFFECT** 

Vibratory force effect upon biological systems, particularly human organism.

Biological effect of cosmic and solar radiations on human body at high altitudes.

### **HOW TO USE THE PERSONAL AUTHOR INDEX**

All personal authors used in the abstract-section citations in the individual Supplements appear in the index. Differences in translation schemes may require multiple searching on the index for variants of an author's name. For example:

EMELIANOV, M. D.

and

YEMELYANOV, M. D.

### HOW TO USE THE CORPORATE SOURCE INDEX

The corporate source index entries are abridged versions of the corporate sources used in the abstract-section citations in the individual Supplements. The corporate source supplementary (organizational component) does not appear in the index. For example:

BOEING CO., SEATTLE, WASH. MILITARY AIRCRAFT SYSTEMS DIV. (Source citation entry) BOEING CO., SEATTLE, WASH. (Source index entry)

### HOW TO USE THE CONTRACT NUMBER INDEX

All contract numbers that are identified in the abstract-section citations in the individual Supplements appear in this index. Changes by agencies in the style in which contract numbers are presented may require multiple searching for variants. For example:

AF 33(615)-71-C-1758 F33615-71-C-1758

### HOW TO USE THE REPORT/ACCESSION NUMBER INDEX

All report numbers that have been assigned by the corporate source, monitoring agency or cataloging activity appear in this index. Variations in initial cataloging may result in different report number series. For example:

TP-924

ONERA-TP-924

### **IDENTIFICATION OF DESIRED SUPPLEMENT**

The abstract and descriptive cataloging for any accession number selected from the indexes may be found in the appropriate Supplement. The page-number range of each Supplement appears on the inside front cover of this index. Once the range of page numbers containing the selected accession number is located in the second column, the desired supplement number will be found in the first column. For example:

Page 239 will be found in Supplement 287

### **AVAILABILITY OF DOCUMENTS**

Information concerning the availability of documents announced in *Aerospace Medicine and Biology* supplements is found in the Introduction to the most currently issued supplement.

### **PUBLIC COLLECTIONS OF NASA DOCUMENTS**

**DOMESTIC:** NASA and NASA-sponsored documents and a large number of aerospace publications are available to the public for reference purposes at the library maintained by the American Institute of Aeronautics and Astronautics, Technical Information Service, 555 West 57th Street, 12th Floor, New York, New York 10019.

**EUROPEAN:** An extensive collection of NASA and NASA-sponsored publications is maintained by the British Library Lending Division, Boston Spa, Wetherby, Yorkshire, England for public access. The British Library Lending Division also has available many of the non-NASA publications cited in *STAR*. European requesters may purchase facsimile copy or microfiche of NASA and NASA-sponsored documents, those identified by both the symbols # and \* from ESA — Information Retrieval Service European Space Agency, 8-10 rue Mario-Nikis, 75738 CEDEX 15, France.

### FEDERAL DEPOSITORY LIBRARY PROGRAM

In order to provide the general public with greater access to U.S. government publications, Congress established the Federal Depository Library Program under the Government Printing Office (GPO), with 50 regional depositories responsible for permanent retention of material, inter-library loan, and reference services. Over 1,300 other depositories also exist. A list of the regional GPO libraries appears on the inside back cover.

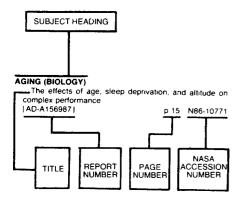
# **TABLE OF CONTENTS**

	Page
Subject Index	A-1
Personal Author Index	B-1
Corporate Source Index	C-1
Foreign Technology Index	D-1
Contract Number Index	E-1
Report Number Index	F-1
Accession Number Index	G-1

### AEROSPACE MEDICINE AND BIOLOGY / A Continuing Bibliography 1986 Cumulative Index

January 1987

### Typical Subject Index Listing



The subject heading is a key to the subject content of the document. The title is used to provide a description of the subject matter. When the title is insufficiently descriptive of the document content, the title extension is added, separated from the title by three hyphens. The (NASA or AIAA) accession number and the page number are included in each entry to assist the user in locating the abstract in the abstract section. If applicable, a report number is also included as an aid in identifying the document. Under any one subject heading, the accession numbers are arranged in sequence with the AIAA accession numbers appearing first.

#### A-10 AIRCRAFT

A review of pilot workload measurement techniques used on the A-10 single seat night attack test program [SAE PAPER 841492] p 146 A86-26016

## A-6 AIRCRAFT

Cockpit information requirements analy orientation p 236 A86-29856 ABDOMEN

Enhancement of somniferous effects of thermal pulsation by simultaneous application to two refle p 120 N86-19849

### **ABILITIES**

The effect of skill on performance under environmental stressor p 94 A86-20408 Retention of helicopter flight skills - is there a 'critical period' for proficiency loss? p 129 A86-23718 The flight surgeon and psychiatry - Interest and skills

p 131 A86-25654 Subjective workload and individual differences in information processing abilities

[SAE PAPER 841491] p 132. A86-26011 Review and evaluation of empirical research in

troubleshooting [AD-A168660] p 186 A86-28865

Formula for a better understanding of pilot p 230 A86-29900

The event related brain potential as an index of information processing, cognitive activity, and skill acquisition: A program of basic research [AD-A159118]

p 43 N86-13897 Acquiring procedural skills from lesson sequences
[AD-A164580] p. 291 N86-24

p 291 N86-26829 Initial skill learning: An analysis of how elaborations facilitate the three components

[AD-A165137] p 292 N86-27922 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988

#### ABIOGENESIS

The oldest traces of life (according to papers presented at the 27th session of the International Geological p 47 A86-13974 Congress) theory of Outline of a evolution: physico-chemical theory of the origin of life -- Book

p 76 A86-17623 Simulation of thermal polycondensation processes of amino acids during the migration of their aqueous solution in the earth's lithosphere p 274 A86-34489 Astronomical sources of circularly polarized light and their role in determining molecular chirality on earth

p 297 A86-38144 Synthesis and analysis in chemical evolution p 297 A86-38145

RNA catalysis and the origin of life p 372 A86-41043

The synthesis of primitive 'living' forms - Definitions, goals, strategies and evolution synthesizers

A86-41045 p 372 Chirally selective, intramolecular interaction observed in an aminoacyl adenylate anhydride p 372 A86-41046 Molecular and Elemental Dust Analyzer (MEDA) for the comet rendezvous asteroid flyby mission

p 299 N86-26857 multiplex gas chromatography: A novel analytical technique for future planetary studies

n 299 N86-26860 Ion Mobility Drift Spectrometer (IMDS) as a flight analytical instrument technique Adsorption and condensation of amino acids and nucleotides with soluble mineral salts

p 301 N86-26869 The principle of cooperation and life's origin and volution p 303 N86-26880 p 303 ABLATION

Laser ablation of human atherosclerotic plaque without adjacent tissue injury p 91 A86-22711

ABNORMALITIES Detection of chromosomal abnormalities in human

[DE85-014178] p.7 N86-11834

Teratogenic effects of microwave radiation [PB85-207462] p 7 N86-11837 The clinical prediction of dangerousne

[AD-A160820] p 135 N86-19899

### ABRASION RESISTANCE

Abrasion-resistant aluminized-coated aramid fabrics for manufacture of firefighters' protective clothing [AD-A157056] p 75 N86-14901

### ABSORBERS (MATERIALS)

The application of diffraction optics techniques to laser eve protection p 284 N86-26821 ABSORPTION

Production of gamma- and alpha-interferon by human blood leukocytes under successive induction conditions p 217 N86-23229

#### **ABSORPTION SPECTRA**

Particulate models of photosynthesis [DE86-001625]

p 160 N86-22090 **ABSORPTION SPECTROSCOPY** 

Photometric and photo acoustic measurement of the absorbance of micro-organisms and its relation to the micro-organism-grain hypothesis p 188 A86-26671 **ABSTRACTS** 

USSR Space Life Sciences Digest, issue 4

[NASA-CR-3922(04)] p 209 N86-23218

### **ACCELERATION (PHYSICS)**

The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion

p 230 A86-29901

Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194

#### **ACCELERATION PROTECTION**

Positive pressure respiration, a means of protecting against + Gz accelerations - A theoretical approach

p 31 A86-13568 The effect of +Gz acceleration on cardiac volumes

determined by two-dimensional echocardiography p 58 A86-18547

An engineering test and evaluation of several new anti-G valves --- for high performance fighter aircraft

p 430 A86-47734 Current research on advanced concept anti-G suits

p 431 A86-47747 Development of a mechanical analog of a human spine

D 418 Single stage rapid response anti-G valve

p 432 A86-47762

Anti-G suit protection and body position p 432 A86-47764

The choice of seat back angle to improve acceleration [CEV-70-209] D 386 N86-29512

ACCELERATION STRESSES (PHYSIOLOGY)

Medical evaluation of cosmonauts - Assessment of vestibular system p 11 A86-12429 Medical evaluation of cosmonauts - 'Acceleration'

p 11 A86-12430

The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography

p 58 A86-18547 p 58 A86-18548 Inflight loss of consciousness. II The effects of +Gz on the coronary circulation - A

p 86 A86-20401 increased gluconeogenesis in rats exposed to hyper-G

p 103 A86-23311 Clinical problems posed by the medical surveillance of pilots exposed to high levels of acceleration

p 112 A86-24503 Effect of seat cushions of human respone to +Gz p 145 A86-25652

Proteinuria in fighter pilots after high +Gz exposure p 113 A86-25653

Critical impact and acceleration loading to the head p 214 A86-30381

Protein concentration elevations in lungs of mice following sudden, transient cephalad (+Gz) acceleration p 199 A86-30437

Human factors problems in the tactical air command p 396 A86-44778

Inflight loss of consciousness - A first look at the U.S. Navy experience p 396 A86-44780 gravitational overloads (mathematical modeling) p 12 N86-10739 Study of hypokinesia and acceleration effects on human

p 12 N86-10740 Dynamics of changes of statistical indicators of heart rhythm of persons with different degree of motion p 12 N86-10743

Endocrine and fluid metabolism in males and females of different ages after bedrest, acceleration and lower body negative pressure

[NASA-TM-58270] p 39 N86-13886 Characteristics of accelerations in aerobatic flight as a p 172 N86-21117 Dynamic behaviour of spherical and aspherical contact s exposed to +Gz-acceleration forces

p 294 N86-26816 Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884 Continuous ECG monitoring of Mirage 2000 pilots (comparison with Mirage 3 and F1 pilots)

p 399 N86-30315 The use of ECG changes caused by acceleration as tolerance predicition factors p 399 N86-30316

The vertebral column: Selection and aptitude of combat aircraft pilots of the future p 400 N86-30322 Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human

centrifuge, Karolinska Institute [FOA-C-50038-H1] p 408 N86-30341 The effects of acceleration stress on human workload

p 437 N86-32984 **ACCELERATION TOLERANCE** 

Performance and physiological effects acceleration-induced (+Gz) loss of consciousness

p 8 A86-10253 Psychomotor performance after forward-facing impact p 32 A86-14310

Effect of exposure to heat, hypoxia, cold, acceleration,	ACID RAIN	
and vibration stress on the total blood sulfhydryl groups	Environmental factors and infant mortality	Complex approach to the study of adaptive systemic
in human subjects p 33 A86-14319	p 168 N86-21041	reactions and functional states in man. I - The time factor
Proteinuria in fighter pilots after high +Gz exposure	· · · · · · · · · · · · · · · · · · ·	in the formation of subcomplexes of systemic physiological
p 113 A86-25653	Paleosols and the chemical evolution of the	indexes of functional state dynamics, and the
The effects of circuit weight training and G experience	atmosphere p 301 N86-26870	instrumentation used in the study p 216 A86-30893
	ACIDOSIS	Dynamics of the salivary electrolyte composition and
on +Gz tolerance p 161 A86-28098	Skeletal muscle lactate release and glycolytic	renal excretory function during human adaptation to an
Physical training and +Gz tolerance reevaluated	intermediates during hypercapnia p 155 A86-28124	altered gaseous environment p 216 A86-30899
p 396 A86-44096	Plasma lactate and ventilation thresholds in trained and	Disturbances in the night sleep structure and
Simulated aerial combat maneuvering tolerance and	untrained cyclists p 215 A86-30678	organization and their significance in the
physical conditioning - Current status		adaptive-recuperation processes p 217 A86-32875
p 396 A86-44097	Effect of simulated weightlessness on exercise-induced	The theoretical principles of adaptation physiological
G-induced loss of consciousness - Combat aircraft pilots	anaerobic threshold p 250 A86-33756	responses to environment p 208 A86-33072
head for trouble p 396 A86-44814	The role of endorphins in the pathophysiology of	
Effects of -Gz centrifugal acceleration upon cardiac	hemorrhagic and endotoxic shock in the subhuman	Adapted head and eye-movement responses to
output of hamster p 415 A86-50290	primate	added-head inertia p 250 A86-33758
Hemodynamics during gravitational overloads	[AD-A162483] p 177 N86-22100	The dynamics of systemic functional organization during
(mathematical modeling) p 12 N86-10739	ACIDS	adaptation to work in extreme environments
	113.123	p 254 A86-36530
Oxygenation and regional circulation in gingival mucosal	Kinetics of biological ferrous iron oxidation	Dynamics of changes of statistical indicators of heart
tissues under effect of head-to-pelvis (+Gz)	[DE85-014616] p 4 N86-10736	rhythm of persons with different degree of motion
accelerations p 65 N86-15872	ACOUSTIC IMPEDANCE	sickness p 12 N86-10743
The beginnings of airborne weightlessness research	A new application of adaptive noise cancellation in	Dynamics of general resistance of rats during
[AD-A160575] p 115 N86-18966	acoustic barriers p 99 A86-22626	readaptation period after training in altered gas
Distinctions in reactions to active orthostatic and	ACOUSTIC INSTABILITY	environment p 6 N86-10767
water-loading tests of subjects differing in tolerance to	Biological effects of millimeter waves on the mouse	Physiological effects of training
positive Gz accelerations p 173 N86-21118	[FOA-C-50023-H1] p 83 N86-16879	
The effect of acceleration stress on human workload		
[AD-A156770] p 180 N86-21140	ACOUSTIC MEASUREMENT	Pulmonary adaptation to high altitude
Ultrasonic quantification of blood volume redistribution	Correlation of constant flow rate with frequency	[AD-A157694] p 62 N86-14873
	spectrum of respiratory sounds when measured at the	Alcohol effects on brain p 64 N86-14887
under hypergravity	trachea p 217 A86-31223	Investigation of catecholamine metabolism at high
[AD-A164379] p 257 N86-25982	ACOUSTIC PROPERTIES	altitudes p 66 N86-15880
Effect of dibasol and some of its imidazo analogues	Informativeness of echo signal in pulsed	Biological investigations of adaptive networks. Neurona
on animal tolerance to gravitational accelerations and	ultrasonography of the brain (with use of model)	control of conditioned responding
dynamics of development of postischemic cerebrovascular		[AD-A160345] p 126 N86-19887
phenomena p 279 N86-27896	p 66 N86-15887	Condition of cardiovascular system in presence of acute
The choice of seat back angle to improve acceleration	ACQUISITION	mountain sickness p 174 N86-21127
tolerance	The event related brain potential as an index of	Some aspects of human amino acid metabolism at high
[CEV-70-209] p 386 N86-29512	information processing, cognitive activity, and skill	
The use of ECG changes caused by acceleration as	acquisition: A program of basic research	
tolerance predicition factors p 399 N86-30316	[AD-A159118] p 43 N86-13897	Heat acclimatization developed during summer running
Physical training of Mirage 2000 pilots	An examination of the life support equipment	in northeastern United States
	development and acquisition process	[AD-A162728] p 177 N86-22102
p 401 N86-30324	[AD-A162241] p 242 N86-24221	Meteorological adaptation research at biology institute
The effect of breathing elevated CO2 gas mixtures on	•	p 211 N86-23257
tracking performance, blood pressure, and subjective	Initial skill learning: An analysis of how elaborations	Psychological selection of personnel for employment in
tolerance at 1Gz	facilitate the three components	the Antartic
[AD-A165974] p 401 N86-31210	[AD-A165137] p 292 N86-27922	[DRIC-T-7449] p 235 N86-23278
ACCESS CONTROL	ACTIVATION	Long-term adaptation of the otolith organs
Examination of retinal pattern threshold levels and their	Force and timing components of the motor program	p 389 N86-29526
possible effect on computer access control mechanisms	[AD-A157584] p 17 N86-11843	An environmentally-controlled extended-use small
[AD-A161213] p 128 N86-19895	Lymphocyte activation - regulatory substances	animal hypobaric chamber
ACCIDENT INVESTIGATION		
Explaining the unexplained dysbaric sport diving		
accidents p 123 N86-19864	ACTIVE CONTROL	Neurophysiological research supporting the
ACCIDENT PREVENTION	Active controllers and the time duration to learn a task	investigation of adaptive network architectures
	p 439 N86-32994	[AD-A166074] p 405 N86-31216
The case for training for the potentially catastrophic	ACTIVITY (BIOLOGY)	ADAPTIVE CONTROL
situation	Correlated changes in calmodulin activity and gravitropic	Experimental estimate of the parameters of a stochastic
[SAE PAPER 851917] p 264 A86-35447	sensitivity in roots of maize p 197 A86-30422	model of a human operator sensor system
Meteorotropic determinants of road collisions and	Impulse activity of the brain stem neurons related to	p 407 A86-45117
accidents p 165 N86-21022	the cardiac and respiratory rhythms p 246 A86-35940	Proceedings of the Item Response Theory and
ACCIDENTS	A study of the effect of ultrasound on the antigenic	Computerized Adaptive Testing Conference 3
Light-Weight Radioisotope Heater Unit Safety Analysis	activity of human erythrocytes p 254 A86-36495	[AD-A163040] p 265 N86-25990
Report (LWRHU-SAR). Volume 1. A. Introduction and		
	Stimulating effect of space flight factors on Artemia crete	
executive summary. B. Reference Design Document	Stimulating effect of space flight factors on Artemia cysts	ADAPTIVE FILTERS
executive summary. B. Reference Design Document (RDD)	Comparison with irradiation by gamma rays	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — in
(RDD)	Comparison with irradiation by gamma rays	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — in acoustic barriers  p 99 A86-22620
(RDD) [DE86-001457] p 172 N86-21113	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers  Implementation of models for the transient division
(RDD) [DE86-001457] p 172 N86-21113 ACCLIMATIZATION	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — in acoustic barriers  p 99 A86-2262t Implementation of models for the transient division system of spatio-temporal visual perception
(RDD) [DE86-001457] p 172 N86-21113  ACCLIMATIZATION Alcohol effects on brain p 64 N86-14887	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — in acoustic barriers p 99 A86-22621 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p 425 N86-32963
(RDD) (DE86-001457] p 172 N86-21113  ACCLIMATIZATION Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at altitude	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975 Raman activity in synchronously dividing bacteria	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p 425 N86-32968
(RDD) (DE86-001457] p 172 N86-21113  ACCLIMATIZATION Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at altitude (AD-A167947) p 424 N86-32957	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975 Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers  Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533]  ADDUCTS  Relationship between alkylation sites and induction of the properties
(RDD)  [DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at altitude  [AD-A167947] p 424 N86-32957  ACCURACY	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975 Raman activity in synchronously dividing bacteria [DE85-015672] Comparative analysis of biomass pyrolysis	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — in acoustic barriers Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p 425 N86-3296: ADDUCTS Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice
(RDD) (DE86-001457] p 172 N86-21113  ACCLIMATIZATION Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at altitude [AD-A167947] p 424 N86-32957  ACCURACY Enhancing sensitivity to visual motion and enhancing	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975 Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951 Comparative analysis of biomass pyrolysis condensates	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296: ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mic [DE85-014309] p. 7. N86-1183:
(RDD) (DE86-001457] p 172 N86-21113  ACCLIMATIZATION Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at altitude [AD-A167947] p 424 N86-32957  ACCURACY Enhancing sensitivity to visual motion and enhancing visual sensitivity	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975 Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951 Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — in acoustic barriers Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p 425 N86-3296: ADDUCTS Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice
(RDD)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at altitude  [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975 Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951 Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102 Modification of cytogenetic and physiological effects of	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p 99 A86-22621 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p 425 N86-3296: ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p 7 N86-1183: ADENINES
(RDD)  [DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at altitude  [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975 Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951 Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102 Modification of cytogenetic and physiological effects of	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p 99 A86-22621 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p 425 N86-3296: ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p 7 N86-1183: ADENINES  Enzyme cofactor modified electrodes
(RDD) (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at attitude [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 An investigation of judgments of category frequency [AD-A159555] p 72 N86-14994	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE86-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-22621 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-32963  ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mic [DE85-014309] p. 7. N86-11833  ADENINES  Enzyme cofactor modified electrodes [AD-A165804] p. 375. N86-2860
(RDD)  (RDB6-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at attitude  [AD-A167947] p 1424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency  [AD-A159555] p 72 N86-14894  Spatiotemporal characteristics of visual localization	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975 Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951 Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102 Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262( Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296( ADDUCTS  Relationship between alkylation sites and induction dominant lethals and heritable translocations in mice (DE85-014309) p. 7. N86-1183( ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p. 375. N86-2860( ADENOSINE TRIPHOSPHATE
(RDD)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at altitude  [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency  [AD-A159555] p 72 N86-14994  Spatiotemporal characteristics of visual localization  [AD-A168097] p 440 N86-30331	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975 Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951 Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102 Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624 ACTIVITY CYCLES (BIOLOGY)	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p 99 A86-22621 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p 425 N86-32968 ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p 7 N86-11838 ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p 375 N86-2860 ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing
(RDD) (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at attitude [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency (AD-A159555) p 72 N86-14994  Spatiotemporal characteristics of visual localization p 404 N86-30331  ACETAZOLAMIDE	Comparison with irradiation by gamma rays p 373 A86-41787 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975 Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951 Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102 Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624 ACTIVITY CYCLES (BIOLOGY) The retinal cycle in bacteriorhodopsin Russian book	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — in acoustic barriers p. 99 A86-22621 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425 N86-32963  ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mic [DE85-014309] p. 7 N86-11833  ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p. 375 N86-28603  ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton
(RDD) (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at attitude [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency (AD-A159555) p 72 N86-14994  Spatiotemporal characteristics of visual localization p 404 N86-30331  ACETAZOLAMIDE	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin — Russian book p 414 A86-49348	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296: ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p. 7. N86-1183: ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p. 375. N86-2860: ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042.
(RDD)  (RDB)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at attitude [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 An investigation of judgments of category frequency [AD-A159555] p 786-14894 Spatiotemporal characteristics of visual localization [AD-A168097] p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — in acoustic barriers p. 99 A86-22621 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425 N86-32963  ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mic [DE85-014309] p. 7 N86-11833  ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p. 375 N86-28603  ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton
(RDD)  [DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at altitude [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency p 72 N86-14894  Spatiotemporal characteristics of visual localization [AD-A168097] p 400 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin — Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296: ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p. 7. N86-1183: ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p. 375. N86-2860: ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042.
(RDD)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at altitude  [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency  [AD-A159555] p 72 N86-14994  Spatiotemporal characteristics of visual localization p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin — Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19848	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99 A86-2262( Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425 N86-3296( ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mic [DE85-014309] p. 7 N86-1183( ADENINES  Enzyme cofactor modified electrodes  [AD-A165604] p. 375 N86-2860( ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197 A86-3042.  Ecto-protein kinase activity on the external surface of the skeleton p. 197 A86-3042.
(RDD)  (RDB)  (RDB)  (DE86-001457]  ACCLIMATIZATION  Alcohol effects on brain  P 64  N86-14887  Predictors of periodic breathing at attitude  (AD-A167947]  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800]  An investigation of judgments of category frequency  An investigation of judgments of visual localization (AD-A168097]  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia  Role of carbonic anhydrase in bone - Partial inhibition	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19848  Crew factors in flight operations. Part 4: Sleep and	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-22621 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-32963 ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mic [DE85-014309] p. 7. N86-11833 ADENINES Enzyme cofactor modified electrodes [AD-A165604] p. 375. N86-2860 ADENOSINE TRIPHOSPHATE Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042 Ecto-protein kinase activity on the external surface of contractile properties of rat muscle fibers during the surface of the skeleton p. 207. A86-3165.
(RDD)  [DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at altitude [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 An investigation of judgments of category frequency [AD-A159555] p 72 N86-14894 Spatiotemporal characteristics of visual localization [AD-A168097] p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19648  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99 A86-22620 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425 N86-32960 ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice (DE85-014309) p. 7 N86-11830 ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p. 375 N86-28600 ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197 A86-3042  Ecto-protein kinase activity on the external surface of neural cells p. 207 A86-31650 Contractile properties of rat muscle fibers durin long-term exposure to +2 Gx accelerations
(RDD)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at altitude  (AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency  [AD-A159555] p 72 N86-14994  Spatiotemporal characteristics of visual localization  [AD-A168097] ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin — Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19848  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p 99 A86-22621 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p 425 N86-32968  ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mico [DE85-014309] p 7 N86-11838  ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p 375 N86-28608  ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p 197 A86-3042  Ecto-protein kinase activity on the external surface of neural cells p 207 A86-31658  Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations p 54 N86-1485
(RDD)  (RDB6-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at attitude  (AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency p 72 N86-14894  Spatiotemporal characteristics of visual localization [AD-A168097] p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide p 374 A86-43448  ACETYL COMPOUNDS	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 360 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19848  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — in acoustic barriers p. 99. A86-22621 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-32963  ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p. 7. N86-11833  ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p. 375. N86-28603  ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042  Ecto-protein kinase activity on the external surface of calcium stimulated consumptions of calcium p. 207. A86-3042  Ecto-protein kinase activity on the external surface of contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations p. 54. N86-1485  Changes in physicochemical properties of contractile
(RDD)  [DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at altitude [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 An investigation of judgments of category frequency [AD-A159555] p 72 N86-14894 Spatiotemporal characteristics of visual localization [AD-A168097] p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide p 374 A86-43448  ACETYL COMPOUNDS  Cortical plasticity: Theoretical analysis, experimental	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin — Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19848  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296:  ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p. 7. N86-1183:  ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p. 375. N86-2860:  ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042:  Ecto-protein kinase activity on the external surface of neural cells  Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations p. 54. N86-1485. Changes in physicochemical properties of contractiling and regulatory proteins in different types of muscles during accelerations p. 54. N86-1485.
(RDD)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at attitude  (AD-A167947) p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency  [AD-A159555] p 72 N86-14994  Spatiotemporal characteristics of visual localization p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide  P 374 A86-43448  ACETYL COMPOUNDS  Cortical plasticity: Theoretical analysis, experimental results	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin — Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19848  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613  ACTUATORS  Direct model reference adaptive control of a flexible robotic manipulator	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296 ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in micro [DE85-014309] p. 7. N86-1183: ADENINES  Enzyme cofactor modified electrodes  [AD-A165604] p. 375. N86-2860 ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042  Ecto-protein kinase activity on the external surface of neural cells properties of rat muscle fibers during term exposure to +2 Gx accelerations p. 54. N86-1485  Changes in physicochemical properties of contractill and regulatory proteins in different types of muscles during and after exposure to accelerations p. 61. N86-1486
(RDD)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at attitude  [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency p 72 N86-14894  Spatiotemporal characteristics of visual localization [AD-A168097] p 404 N86-30331  ACCTAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide p 374 A86-43448  ACETYL COMPOUNDS  Cortical plasticity: Theoretical analysis, experimental results  [AD-A157965] p 38 N86-12961	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin — Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613  ACTUATORS  Direct model reference adaptive control of a flexible robotic manipulator	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296:  ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p. 7. N86-1183:  ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p. 375. N86-2860:  ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042:  Ecto-protein kinase activity on the external surface of neural cells  Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations p. 54. N86-1485. Changes in physicochemical properties of contractiling and regulatory proteins in different types of muscles during accelerations p. 54. N86-1485.
(RDD)  [DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at altitude [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 An investigation of judgments of category frequency [AD-A159555] p 72 N86-14894 Spatiotemporal characteristics of visual localization [AD-A166097] p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide p 374 A86-43448  ACETYL COMPOUNDS  Cortical plasticity: Theoretical analysis, experimental results [AD-A157965] p 38 N86-12961	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin — Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19848  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613  ACTUATORS  Direct model reference adaptive control of a flexible robotic manipulator	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296 ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p. 7. N86-1183: ADENINES  Enzyme cofactor modified electrodes  [AD-A165604] p. 375. N86-2860 ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042  Ecto-protein kinase activity on the external surface of neural cells properties of rat muscle fibers during term exposure to +2 Gx accelerations p. 54. N86-1485  Changes in physicochemical properties of contractill and regulatory proteins in different types of muscles during and after exposure to accelerations p. 61. N86-1486
(RDD)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at attitude  [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency p 72 N86-14894  Spatiotemporal characteristics of visual localization [AD-A168097] p 404 N86-30331  ACCTAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide p 374 A86-43448  ACETYL COMPOUNDS  Cortical plasticity: Theoretical analysis, experimental results  [AD-A157965] p 38 N86-12961	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism  P 120 N86-19848  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613  ACTUATORS  Direct model reference adaptive control of a flexible robotic manipulator [NASA-CR-176659] p 188 N86-22113	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296:  ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p. 7. N86-1183:  ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p. 375. N86-2860:  ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042:  Ecto-protein kinase activity on the external surface of neural cells p. 207. A86-3165.  Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations p. 54. N86-1485.  Changes in physicochemical properties of contractil and regulatory proteins in different types of muscles during and after exposure to accelerations p. 61. N86-1486. Models of glycolysis: Glyceraldehyde as a source of energy and monomers for prebiotic condensatio
(RDD)  [DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at altitude [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 An investigation of judgments of category frequency [AD-A159555] p 72 N86-14894 Spatiotemporal characteristics of visual localization [AD-A166097] p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide p 374 A86-43448  ACETYL COMPOUNDS  Cortical plasticity: Theoretical analysis, experimental results [AD-A157965] p 38 N86-12961	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613  ACTUATORS  Direct model reference adaptive control of a flexible robotic manipulator [NASA-CR-176659] p 188 N86-22113  ADAPTATION  Space motion sickness preflight adaptation training	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296: ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p. 7. N86-1183: ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p. 375. N86-2860: ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042: Ecto-protein kinase activity on the external surface of neural cells p. 207. A86-3165: Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations p. 54. N86-1485. Changes in physicochemical properties of contractil and regulatory proteins in different types of muscles during and after exposure to accelerations p. 61. N86-1486. Models of glycolysis: Glyceraldehyde as a source of energy and monomers for prebiotic condensation reactions p. 302. N86-2687.
(RDD)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at attitude  (AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency  [AD-A159555] p 72 N86-14894  Spatiotemporal characteristics of visual localization  [AD-A168097] p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide  CCETYL COMPOUNDS  Cortical plasticity: Theoretical analysis, experimental results  [AD-A157965] p 38 N86-12961  ACHIEVEMENT  Plausibility functions of lowa vocabulary test items	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin — Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19848  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613  ACTUATORS  Direct model reference adaptive control of a flexible robotic manipulator [NASA-CR-176659] p 188 N86-22113  ADAPTATION  Space motion sickness preflight adaptation training Preliminary studies with prototype trainers	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296: ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mico [DE85-014309] p. 7. N86-1183: ADENINES  Enzyme cofactor modified electrodes  [AD-A165604] p. 375. N86-2860: ADENINES Enzyme cofactor modified electrodes  [AD-RI65604] p. 375. N86-2860: ADENINES Enzyme cofactor modified electrodes  [AD-A165604] p. 375. N86-2860: ADENIOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042  Ecto-protein kinase activity on the external surface of neural cells p. 207. A86-3165  Contractile properties of rat muscle filbers during the surface of the second properties of contractile and regulatory proteins in different types of muscles during and differ exposure to accelerations p. 54. N86-1486  Models of glycolysis: Glyceraldehyde as a source of energy and monomers for prebiotic condensations p. 302. N86-2667  Is the ATPase from halobacterium saccharovorum a
(RDD)  [DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887 Predictors of periodic breathing at altitude [AD-A15947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency p 72 N86-14894 Spatiotemporal characteristics of visual localization [AD-A168097] p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide p 374 A86-43448  ACETYL COMPOUNDS  Cortical plasticity: Theoretical analysis, experimental results  [AD-A157965] p 38 N86-12961  ACHIEVEMENT  Plausibility functions of lowa vocabulary test items estimated by the simple sum procedure of the conditional P.D.F. Approach	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-01773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613  ACTUATORS  Direct model reference adaptive control of a flexible robotic manipulator [NASA-CR-176659] p 188 N86-22113  ADAPTATION  Space motion sickness preflight adaptation training Preliminary studies with prototype trainers  [IAF PAPER 85-311] p 35 A86-15822	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — in acoustic barriers p. 99. A86-22621 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-32963 ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p. 7. N86-11833 ADENINES  Enzyme cofactor modified electrodes [AD-A165804] p. 375. N86-2860 ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042  Ecto-protein kinase activity on the external surface of contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations. p. 54. N86-1485  Changes in physicochemical properties of contractil and regulatory proteins in different types of muscles during and regulatory proteins in different types of muscles during and after exposure to accelerations. p. 61. N86-1485  Models of glycolysis: Glyceraldehyde as a source of energy and monomers for prebiotic condensation reactions. p. 302. N86-2689  Is the ATPase from halobacterium saccharovorum a evolutionary relic? p. 306. N86-2689
(RDD)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at altitude  (AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency  [AD-A159855] p 72 N86-14994  Spatiotemporal characteristics of visual localization  [AD-A168097] w 10 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide  ACETYL COMPOUNDS  Cortical plasticity: Theoretical analysis, experimental results  [AD-A157965] p 38 N86-12961  ACHEVEMENT  Plausibility functions of lowa vocabulary test items estimated by the simple sum procedure of the conditional P.D.F. Approach  [AD-A160850] p 134 N86-18986	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin — Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613  ACTUATORS  Direct model reference adaptive control of a flexible robotic manipulator [NASA-CR-176659] p 188 N86-22113  ADAPTATION  Space motion sickness preflight adaptation training Preliminary studies with prototype trainers [IAF PAPER 85-311] p 35 A86-15822 Velocity coding - Evidence from perceived velocity	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-32969  ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p. 7. N86-11839  ADENINES  Enzyme cofactor modified electrodes [AD-A165604] p. 375. N86-2860  ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042  Ecto-protein kinase activity on the external surface of neural cells p. 207. A86-3165. Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations p. 54. N86-1485. Changes in physicochemical properties of contractil and regulatory proteins in different types of muscles during and after exposure to accelerations p. 61. N86-1486. Models of glycolysis: Glyceraldehyde as a source of energy and monomers for prebiotic condensation reactions p. 302. N86-2687. Is the ATPase from halobacterium saccharovorum a evolutionary relic? p. 306. N86-2689.
(RDD)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at attitude  [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency fap-14:9955] p 72 N86-14894  Spatiotemporal characteristics of visual localization [AD-A168097] p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide p 374 A86-43448  ACETYL COMPOUNDS  Cortical plasticity: Theoretical analysis, experimental results  [AD-A157965] p 38 N86-12961  ACHIEVEMENT  Plausibility functions of lowa vocabulary test items estimated by the simple sum procedure of the conditional P.D.F. Approach  [AD-A160850] p 134 N86-18986  Proceedings of the Item Response Theory and	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19648  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613  ACTUATORS  Direct model reference adaptive control of a flexible robotic manipulator [NASA-CR-176659] p 188 N86-22113  ADAPTATION  Space motion sickness preflight adaptation training Preliminary studies with prototype trainers [IAF PAPER 85-311] p 35 A86-15822 Velocity coding - Evidence from perceived velocity shifts p 94 A86-20900	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296.  ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mico [DE85-014309] p. 7. N86-1183.  ADENINES  Enzyme cofactor modified electrodes [AD-4165604] p. 375. N86-2860.  ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042.  Ecto-protein kinase activity on the external surface of neural cells p. 207. A86-3165.  Contractile properties of rat muscle fibers during term exposure to +2 Gx accelerations p. 54. N86-1485.  Changes in physicochemical properties of contractill and regulatory proteins in different types of muscles during and after exposure to accelerations p. 61. N86-1486.  Models of glycolysis: Glyceraldehyde as a source cenergy and monomers for prebiotic condensations p. 302. N86-2689. Is the ATPase from halobacterium saccharovorum a evolutionary relic? p. 306. N86-2689.  ADIPOSE TISSUES Immersion cooling - Effect of clothing and skinfol.
(RDD)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at attitude  (AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency  (AD-A159555] p 72 N86-14894  Spatiotemporal characteristics of visual localization (AD-A168097] p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide p 374 A86-43448  ACETYL COMPOUNDS  Cortical plasticity: Theoretical analysis, experimental results  (AD-A157965] p 38 N86-12961  ACHIEVEMENT  Plausibility functions of lowa vocabulary test items estimated by the simple sum procedure of the conditional P.D.F. Approach  (AD-A168050] p 134 N86-18966  Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference 3	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19648  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613  ACTUATORS  Direct model reference adaptive control of a flexible robotic manipulator [NASA-CR-176659] p 188 N86-22113  ADAPTATION  Space motion sickness preflight adaptation training Preliminary studies with prototype trainers [IAF PAPER 85-311] p 35 A86-15822 Velocity coding - Evidence from perceived velocity shifts p 94 A86-29000 Methods of regulating the adaptation and resistance	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — in acoustic barriers p. 99. A86-22621 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533]  ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309]  ADENINES  Enzyme cofactor modified electrodes [AD-A165604]  ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197  A86-3042  Ecto-protein kinase activity on the external surface of contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations p. 54  Changes in physicochemical properties of contractil and regulatory proteins in different types of muscles during and after exposure to accelerations p. 61  Models of glycolysis: Glyceraldehyde as a source of energy and monomers for prebiotic condensation reactions p. 302  N86-2689  Is the ATPase from halobacterium saccharovorum a evolutionary relic?  ADPOSE TISSUES  Immersion cooling - Effect of clothing and skinfol thickness
(RDD)  (DE86-001457] p 172 N86-21113  ACCLIMATIZATION  Alcohol effects on brain p 64 N86-14887  Predictors of periodic breathing at attitude  [AD-A167947] p 424 N86-32957  ACCURACY  Enhancing sensitivity to visual motion and enhancing visual sensitivity  [AD-A158800] p 40 N86-13889  An investigation of judgments of category frequency fap-14:9955] p 72 N86-14894  Spatiotemporal characteristics of visual localization [AD-A168097] p 404 N86-30331  ACETAZOLAMIDE  Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863  Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide p 374 A86-43448  ACETYL COMPOUNDS  Cortical plasticity: Theoretical analysis, experimental results  [AD-A157965] p 38 N86-12961  ACHIEVEMENT  Plausibility functions of lowa vocabulary test items estimated by the simple sum procedure of the conditional P.D.F. Approach  [AD-A160850] p 134 N86-18986  Proceedings of the Item Response Theory and	Comparison with irradiation by gamma rays p 373 A86-41787  On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975  Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951  Comparative analysis of biomass pyrolysis condensates [DE86-001773] p 159 N86-21102  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  ACTIVITY CYCLES (BIOLOGY)  The retinal cycle in bacteriorhodopsin Russian book p 414 A86-49348  Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19648  Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613  ACTUATORS  Direct model reference adaptive control of a flexible robotic manipulator [NASA-CR-176659] p 188 N86-22113  ADAPTATION  Space motion sickness preflight adaptation training Preliminary studies with prototype trainers [IAF PAPER 85-311] p 35 A86-15822 Velocity coding - Evidence from perceived velocity shifts p 94 A86-20900	ADAPTIVE FILTERS  A new application of adaptive noise cancellation — is acoustic barriers p. 99. A86-2262 Implementation of models for the transient division system of spatio-temporal visual perception [ETN-86-97533] p. 425. N86-3296.  ADDUCTS  Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mico [DE85-014309] p. 7. N86-1183.  ADENINES  Enzyme cofactor modified electrodes [AD-4165604] p. 375. N86-2860.  ADENOSINE TRIPHOSPHATE  Localization of calcium stimulated adenosing triphosphatase activity in blood vessels of the skeleton p. 197. A86-3042.  Ecto-protein kinase activity on the external surface of neural cells p. 207. A86-3165.  Contractile properties of rat muscle fibers during term exposure to +2 Gx accelerations p. 54. N86-1485.  Changes in physicochemical properties of contractill and regulatory proteins in different types of muscles during and after exposure to accelerations p. 61. N86-1486.  Models of glycolysis: Glyceraldehyde as a source cenergy and monomers for prebiotic condensations p. 302. N86-2689. Is the ATPase from halobacterium saccharovorum a evolutionary relic? p. 306. N86-2689.  ADIPOSE TISSUES Immersion cooling - Effect of clothing and skinfol.

Effect of physical training in humans on the response of isolated fat cells to epinephrine p 418 A86-47868 The influence of individual factors in man on bubble formation in air diving decompression

p 125 N86-19881

#### ADRENAL GLAND

Morphological changes in some internal organs of guinea pigs due to the effect of a constant electromag p 103 A86-23490

Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content

p 106 A86-25660 Bone loss during simulated weightlessness - is it glucocorticoid mediated? p 197 A86-30423

ADRENAL METABOLISM

Serum levels of eleven steroid hormones following motion sickness p8 A86-10259

Aldosterone, cortisol, and electrolyte responses to hypobaric hypoxia in moderate-altitude natives

p 32 A86-14316 Effect of exposure to heat, hypoxia, cold, acceleration, and vibration stress on the total blood sulfhydryl groups in human subjects p 33 A86-14319

Individual and typological functional properties of the sympathoadrenal system as a prognostic index of the functional state of an organism in complex environmental p 88 A86-22532 Increased gluconeogenesis in rats exposed to hyper-G

p 103 A86-23311 Are there conditions in which adrenalectomy impedes the atrophying effects of denervation?

p 194 A86-30397 Investigation of mechanisms of the radioprotective effect of agonists of catecholamine receptors - Involvement of subtypes of alpha-adrenoreceptors radioprotective effect p 208 A86-32698

Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt

p 253 A86-36311 Morphological and biochemical investigation of rat adrenocortical function during long-term hypokinesia p 279 N86-27889

#### ADRENERGICS

Arousal and stability - The effects of five new sympathomimetic drugs suggest a new principle for the prevention of space motion sickness

p 113 A86-25656

#### ADSORPTION Design guidelines for carbon dioxide scrubbers, revision

FAD-A1601811 p 147 N86-18989

Adsorption and condensation of amino acids and nucleotides with soluble mineral salts

p 301 N86-26869

## **AERIAL RECONNAISSANCE**

Development of a computer-managed readiness assessment system [AD-A162931]

p 236 N86-24215 AEROBES

The principle of cooperation and life's origin and p 303 N86-26880 Evolution of thiol protective systems in prokaryotes

p 307 N86-26896

### **AERONAUTICS**

Human factors in aviation. III - Some comtemporary issues D 44 A86-13263 Computational models of human vision with applications

[NASA-CR-176413] p 67 N86-15898

#### **AEROSOLS**

Aerosol deposition along the respiratory tract at zero gravity - A theoretical study ravity - A theoretical study p 213 A86-30169 Health hazard evaluation of liquid monopropellants. Phase 4. Subchronic inhalation of hydroxylammonium

nitrate, January 1985 (AD-A157623) p 17 N86-11844 New physical methods for biological aerosol detection [AD-A158218] p 29 N86-13881

Health hazard evaluation of liquid monopropellants. Phase 5: Comparative inhalation toxicities of LGP 1776, LGP 1845, and HAN (hydroxylammonium nitrate) [AD-A159090]

p 40 N86-13891 Expedient methods of respiratory protection. Submicron particle tests and summary of quality factors [TI85-0182781

Chemical characterization and toxicologic evaluation of airborne mixtures: Turnorigenicity studies of Diesel Fuel-2, Red Smoke Dye and Violet Smoke Dyes in the SENCAR Mouse Skin Tumorigenesis Bioassay System

[AD-A159728] p 114 N86-18962 The organic aerosols of Titan
AEROSPACE ENGINEERING p 298 N86-26852

Utilizing computer graphics display technology --- for p 185 A86-28441 aerospace systems

Behavioral Engineering Aerospace Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings

(SAE P-168) p 269 A86-35426 **AEROSPACE ENVIRONMENTS** 

Wearing contact lenses in Space Shuttle operations p 60 A86-18845 Environmental considerations and waste planning on the p 239 A86-30149 Sleep in an aerospace environment

p 282 A86-39775 Life sciences research on the space station: An introduction

[NASA-TM-86836] p 3 N86-10734 USSR Space Life Sciences Digest, Issue 2 [NASA-CR-3922(02)] p 28 N86-12949 Mass loss of shuttle space suit orthofabric under

simulated ionospheric atomic oxygen bombardment [NASA-TM-871491 p 46 N86-13899 Biological life-support systems for long-duration space

p 47 N86-14160 USSR report: Space Biology and Aerospace Medicine, rolume 19, no. 5, September - October 1985

[JPRS-USB-85-007] p 54 N86-14848 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949

Vaccine Proteins R and D on Salyut-7

p 220 N86-23256 Implications of privacy needs and interpersonal distancing mechanisms for space station design [NASA-CR-176938] p 408 N86-30338

**AEROSPACE MEDICINE** Airline pilot disability - The continued experience of a major U.S. airline p 8 A86-10251 Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance p 8 A86-10257

Behavioral Airsickness Management program for student pilots [AD-A161266] p 18 A86-10258 Calcified hematoma of the greater omentum in an F-15

p 9 A86-10262 fighter pilot The skeleton in space p 10 A86-11833 Preliminary medical results of the 5-month flight onboard Salvut-7-Sovuz-T

[IAF PAPER 84-184] p 10 A86-12362

Medical requirement for manned space programme p 11 A86-12426 Medical evaluation of cosmonauts - Physiological stress p 11 A86-12427 testing

Medical evaluation of cosmonauts - Cardiovascular p 11 A86-12428 Medical evaluation of cosmonauts - Assessment of vestibular system p 11 A86-12429

Medical evaluation of cosmonauts - 'Acceleration' A86-12430 p 11 A86-12432 Dental evaluation of cosmonauts Medical evaluation of cosmonauts - Biochemical

investigations p 11 A86-12433 EEG studies in episodic unconsciousness, seizure disorder and syncope p 12 A86-12434 Airsickness among Indian Airlines passengers

p 12 A86-12435 Vibration transmissibility in seated subjects

p 22 A86-12436 Determination of vestibular asymmetry with application to aviation medicine Ď 31 A86-13299 Spacelab experiments on space motion sickness

[IAF PAPER 85-312] p 35 A86-15823 Physiologic adaptation to space - Space adaptation

[IAF PAPER 85-313] p 35 A86-15824 Quantitative evaluation of human arterial baroreceptor

[IAF PAPER 85-317] p 36 A86-15827 Development of countermeasures for use in space missions --- to adaptive response to space flight [IAF PAPER 85-327] p 36 A86-15832

Inflight loss of consciousness. II p 58 A86-18548 The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832 Self-control of psychophysiologic response to motion stress Using biofeedback to treat sickness

[AD-A163428] A86-18833 Simulator sickness - Incidence of simulator aftereffects in Navy flight trainers p 85 A86-19346 Calcium antagonists in the prevention of motion sickness p 87 A86-20405 An overview of space physiology and related

experiments on Spacelab 1 p 87 A86-21097 balance during Mechanism for negative water weightlessness An hypothesis p 91 A86-22664 Canadian medical experiments on Shuttle Flight 41-G

p 110 A86-22996 Medical control of the aircrew during a retraining p 110 A86-23494

Health maintenance and human productivity in the Space Station Era

[SAE PAPER 851312] p 110 A86-23503 Physiological insights gained through zero-G medical p 144 A86-24121 Mathematical models of the effect of gravitation on lung

functions --- Russian book D 111 A86-24135 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501 Clinical problems encountered by a squadron flight

p 112 A86-24502 surgeon Clinical problems posed by the medical surveillance of pilots exposed to high levels of acceleration

p 112 A86-24503 Ophthalmological problems linked to helicopter flight p 112 A86-24504

A new test of the color vision of professionals

p 112 A86-24505 Recurrent serious otitis in a reconnaissance pilot - The consequences for his career p 112 A86-24506 A cold thyroid nodule - Statistical data and aeronautical aptitude p 112 A86-24507 Some psychological aspects of air sickness

p 131 A86-24508 Gastric and duodenal ulcers and the flight fitness of pilots p 113 A86-24509 Mitral valve prolapse in a young person - An estimation of the risk of arrhythmia - The impact on the flight fitness p 113 A86-24510 Ischemic cardiopathology in pilots - The risk, the methods of detection and prevention

p 113 A86-24511 Mechanical solid vibrations p 113 A86-24512 The flight surgeon and psychiatry - Interest and skills

p 131 A86-25654 Flying and danger, joy and fear --pilot motivation and fear of flying

[AD-A166555] p 131 A86-25655 Arousal and stability - The effects of five new sympathomimetic drugs suggest a new principle for the revention of space motion sickness

p 113 A86-25656 Anabolic steroids as a countermeasure against bone demineralization during space flight p 114 A86-25662 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans

p 161 A86-27474 Medical technology in space - Foreseeable economic p 155 A86-27878 The effects of circuit weight training and G experience on +Gz tolerance p 161 A86-28098 Changes in catecholamine excretion during physical and mental workload

ental workload p 161 A86-28099
Device for rapid quantification of human carotid baroreceptor-cardiac reflex responses p 162 A86-28125

Countermeasures for the effects of prolonged weightlessness [AAS 84-187] p 162 A86-28813

Immunological analyses of U.S. Space Shuttle crewmembers p 162 A86-29091 Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441 Life science research on the Space Station

p 201 A86-30451 Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-33760 Retrospective analysis of Naval Special Boards of Flight Surgeons, 1974-83 p 251 A86-33763 Medical problems of space flights p 251 A86-35285 Training of cosmonauts and experience during space p 263 A86-35286 Medical evaluation of cosmonauts during space flight

p 251 A86-35287 Some aspects of yogic exercises during space flight p 263 A86-35289

and immediate pre and post flight periods

Respiratory diseases - Aeromedical aspects including p 252 A86-35291 Hemodynamic response to LBNP following 2 hours HDT (-6 deg) --- lower body negative pressure with head-down p 252 A86-36309 Cardiovascular dynamics associated with tolerance to

lower body negative pressure p 253 A86-36310 Influence of inspired oxygen acceleration atelectasis concentration on [AD-A168540]

p 253 A86-36313 Longitudinal study of cardiovascular disease in U.S. Navy pilots p 253 A86-36314 Head movements in non-terrestrial force environments

elicit motion sickness - Implications for the etiology of space motion sickness p 253 A86-36315 Central serous retinopathy (choroidopathy) in pilots

A-3

Muscle atrophy during space flight - Research needs	Effect of active antiorthostatic conditioning on tolerance	AFTERIMAGES
and opportunities p 255 A86-37077	to cranial redistribution of blood p 175 N86-21135	Interaction of image characteristics of stereoscopic
Flight fitness and a past myocardial infarction p 281 A86-39772	Aerospace medicine and biology: A continuing	forms during depth perception [AD-A164895] p 291 N86-26831
A practical attitude toward ventricular repolarization	bibliography with indexes (supplement 282) [NASA-SP-7011(282)] p 176 N86-22093	[AD-A164895] p 291 N86-26831 AGE FACTOR
abnormalities in flight crews p 282 A86-39773	The history of aeronautical medicine in Venezuela	Indicators of external respiration in young athletes during
Normal or pathological coronary status - Reflections and	[NASA-TM-77709] p 176 N86-22094	adaptation to high environmental temperature
practical experiences for expertise with flight personnel	USSR Space Life Sciences Digest, issue 4	p 9 A86-10699
p 282 A86-39774	[NASA-CR-3922(04)] p 209 N86-23218	Age-related augmentation of plasma catecholamines
Sleep in an aerospace environment	Electric sleep method of preventing fatigue build-up in	during dynamic exercise in healthy males
p 282 A86-39775	sailors on extended cruises p 235 N86-23248	p 10 A86-12376
Cardiovascular epidemiology, exercise, and health -	·	Bedrest-induced peak VO2 reduction associated with
40-year followup of the U.S. Navy's '1000 aviators'	Aerospace Medicine and Biology: A Cumulative Index to the 1985 Issues	age, gender, and aerobic capacity p 87 A86-20402
p 378 A86-41789	[NASA-SP-7011(280)] p 221 N86-23265	Age, degraded viewing environments, and the speed
Low back pain in pilots p 395 A86-44092	· · · · · · · · · · · · · · · · · · ·	of accommodation p 87 A86-20407
Air ambulance regulations - A model p 405 A86-44094	Aerospace medicine and biology: A continuing bibliography with indexes (supplement 283)	The functional age profile - An objective decision criterion
Physical training and +Gz tolerance reevaluated	[NASA-SP-7011(283)] p 223 N86-24192	for the assessment of pilot performance capacities and
p 396 A86-44096	Characteristics of medically disqualified airman	capabilities p 234 A86-31823
Effect of head-out water immersion on response to	applicants in calendar years 1982 and 1983	Age-dependent changes in information processing abilities between 20 and 60 years p 260 A86-33788
exercise training p 396 A86-44194	[AD-A162209] p 224 N86-24201	Ontogeny of homeothermy in the immature rat -
An updated model for a Space Station Health	USSR Space Life Sciences Digest, issue 5	Metabolic and thermal responses p 246 A86-36221
Maintenance Facility	[NASA-CR-3922(05)] p 248 N86-25109	Seasonal dynamics of circadian rhythms of oxygen
[AIAA PAPER 86-2303] p 397 A86-46938	Aerospace Medicine and Biology: A continuing	consumption and heat production in youths in Siberian
Evaluation of 9.5 PSIA as a suit pressure for prolonged	bibliography with indexes (supplement 284)	conditions p 254 A86-36529
extravehicular activity p 417 A86-47741	[NASA-SP-7011(284)] p 255 N86-25111	Development of intuitive theories of motion - Curvilinear
The relationship of intravascular bubbles to bends at	USSR Space Life Sciences Diges: Index to Issues 1-4	motion in the absence of external forces
altitude p 418 A86-47765	[NASA-CR-3922(06)] p 248 N86-25971	p 426 A86-49521
Ergometric examination of the cardiovascular system	An analysis of potential predictive parameters of motion	Correlational rhythmography applied to persons of
in flight personnel p 421 A86-49370	sickness using a computerized biophysical data acquisition	different age under functional loads p 422 A86-49920
Operational medical planning for Space Station	system	Age-related changes in electroencephalograms of
[AIAA PAPER 86-2337] p 421 A86-49560 Aerospace medicine and biology: A continuing	[AD-A164099] p 257 N86-25981	pilots p 62 N86-14867
bibliography with indexes (supplement 275)	Aerospace Medicine and Biology: A continuing	The influence of individual factors in man on bubble formation in air diving decompression
[NASA-SP-7011(275)] p 15 N86-10768	bibliography with indexes	
The effects of age, sleep deprivation, and altitude on	[NASA-SP-7011(285)] p 282 N86-26797	p 125 N86-19881 Effect of low and high environmental temperatures on
complex performance	USSR Space Life Sciences Digest, Issue 6	decompression sickness in the aging rat
[AD-A156987] p 15 N86-10771	[NASA-CR-3922(07)] p 277 N86-27864	p 126 N86-19884
USSR Space Life Sciences Digest, Issue 2	USSR report: Life sciences. Biomedical and behavioral	EFFECTS: Documentation and verification for a BEIR
[NASA-CR-3922(02)] p 28 N86-12949	sciences	3 cancer risk model based on age, sex and population
Aerospace Medicine and Biology Continuing Bibliograph:	[JPRS-UBB-86-008] p 278 N86-27869	dynamics for BIOTRAN
A continuing bibliography with indexes	Lactobacteria and prophylaxis in space	[DE86-003285] p 226 N86-24210
[NASA-SP-7011(276)] p 37 N86-12954	p 285 N86-27870	Attention tasks and their relation to aging and flight
Life sciences accomplishments	Commentary on results of biological satellite program	experience
[NASA-TM-88177] p 29 N86-13879	p 278 N86-27871	[IZF-1986-4] p 405 N86-30337
USSR report: Space Biology and Aerospace Medicine, volume 19, no. 5, September - October 1985	USSR report: Space Biology and Aerospace Medicine,	AGGLUTINATION
[JPRS-USB-85-007] p 54 N86-14848	no. 1, January - February 1986	Effect of cosmoheliogeophysical factors on bacterial
Cumulative effect of coriolis accelerations on coronary	[JPRS-USB-86-003] p 278 N86-27878	agglutionation in vitro p 155 A86-27473
hemodynamics p 61 N86-14861	Aerospace Medicine and Biology: A Continuing	Farm animals as source of yersiniosis p 217 N86-23230
	Bibliography with Indexes	
USSR report: Life sciences. Biomedical and behavioral		l est of environce antique disconcitic scent for detection
USSR report: Life sciences. Biomedical and behavioral sciences	[NASA-SP-7011(278)] p 287 N86-27905	Test of erythrocyte antigen diagnostic agent for detecting antibodies to coxiella burnetti p. 218 N86-23231
	[NASA-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing	antibodies to coxiella burnetti p 218 N86-23231
sciences	[NASA-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286)	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with viral
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASA-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232  HBeAg and its antibodies in carriers of HSsAg in various
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBsAg and its antibodies in carriers of HSsAg in various p 218 N86-23233
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232  HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBsAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBsAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet avaition medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232  HBsAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 Vaccine Proteins R and D on Salyut-7
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet avaition medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBsAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBsAg and its antibodies in carriers of HSsAg in various regions of USSR  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY)
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279)	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBsAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232  HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40)
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] A proposal for a longitudinal study to assess the hazards	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7  p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBsAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A prelliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASĀ-SP-7011(288)] p 422 N86-32088	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 AGING (BIOLOGY) The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Cardiovascular epidemiology, exercise, and health
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation  USSR Space Life Sciences Digest, issue 7 [NASA-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASA-SP-7011(288)] Alir Force technical objective document, Aerospace	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY) The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Cardiovascular epidemiology, exercise, and health -40-year followup of the U.S. Navy's '1000 aviators'
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281)	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 410 N86-3083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679  Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASA-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASA-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASA-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [AD-A167422] p 423 N86-32090	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBsAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679  Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789  Structural correlates of aging in Drosophila - Relevance
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [ADĀ-ACR-322] p 423 N86-32090 Special features of surgical intervention under conditions	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBsAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679  Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789  Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999  The effects of age, sleep deprivation, and altitude on
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 410 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [ADĀ167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY) The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789 Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999 The effects of age, sleep deprivation, and altitude on complex performance
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [AD-A167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232  HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679  Cardiovascular epidemiology, exercise, and health -40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789  Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999  The effects of age, sleep deprivation, and altitude on complex performance  [AD-A156987] p 15 N86-10771
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) INASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [ADĀ-167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [ADĀ-167916] p 423 N86-32092 Activities report on physical and psychological health	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232  HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679  Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789  Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999  The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771  AGRICULTURE
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 412 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [ADĀ-167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [ADĀ-167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232  HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-232342  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679  Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789  Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999  The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771  AGRICULTURE  Artificial closed ecosystem 'man-plants' with a full
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [ADĀ-167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [ADĀ-167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY) The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789 Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999 The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771  AGRICULTURE Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 412 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [ADĀ-167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [ADĀ-167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232  HBsAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679  Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789  Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999  The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771  AGRICULTURE  Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 USSR report: Space Biology and Aerospace Medicine,	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [ADĀ-167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [ADĀ-167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 428 N86-32094	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY) The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789 Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999 The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771  AGRICULTURE Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part [IAF PAPER 85-308]
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-2011] USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) Air Force technical objective document, Aerospace Medical Division, FY 1987 [ADĀ-167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [ADĀ-167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 AEROSPACE SAFETY	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY) The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789 Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999 The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771  AGRICULTURE  Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part [IAF PAPER 85-308] p 45 A86-15820 Sodium and potassium recycle in closed
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASA-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASA-CR-3922(08)] Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASA-SP-7011(288)] p 422 N86-32084 Air Force technical objective document, Aerospace Medical Division, FY 1987 [AD-A167422] p 423 N86-32093 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 AEROSPACE SAFETY Canadian developments in aircrew chemical defence	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232  HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments  p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7  p 220 N86-23242  Vaccine Proteins R and D on Salyut-7  p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679  Cardiovascular epidemiology, exercise, and health -40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789  Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999  The effects of age, sleep deprivation, and altitude on complex performance  [AD-A156987] p 15 N86-10771  AGRICULTURE  Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part  [IAF PAPER 85-308] p 45 A86-15820  Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Spatial illusions of vestibular genesis during flights in aircraft Distinctions in reactions to active orthostatic and	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASA-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30327 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASA-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASA-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [AD-A167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094  AEROSPACE SAFETY Canadian developments in aircrew chemical defence protection p 97 A86-19342	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with viral p 218 N86-23232  HBsAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679  Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789  Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999  The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771  AGRICULTURE  Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part [IAF PAPER 85-308] p 45 A86-15820  Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199  USSR report: Life sciences. Biomedical and behavioral
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Spatial illusions of vestibular genesis during flights in aircraft Distinctions in reactions to active orthostatic and water-loading tests of subjects differing in tolerance to	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) INASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [ADĀ-167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [ADĀ-167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 AEROSPACE SAFETY Canadian developments in aircrew chemical defence protection p 97 A86-19342 SAFE Association, Annual Symposium, 23rd, Las Vegas,	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232  HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments  p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7  p 220 N86-23242  Vaccine Proteins R and D on Salyut-7  p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679  Cardiovascular epidemiology, exercise, and health -40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789  Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999  The effects of age, sleep deprivation, and altitude on complex performance  [AD-A156987] p 15 N86-10771  AGRICULTURE  Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part  [IAF PAPER 85-308] p 45 A86-15820  Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-SP-7011(277)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 158 N86-19946 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Spatial illusions of vestibular genesis during flights in aircraft p 172 N86-21115 Distinctions in reactions to active orthostatic and water-loading tests of subjects differing in tolerance to positive Gz accelerations	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30323 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [ADĀ-167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [ADĀ-167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 AEROSPACE SAFETY Canadian developments in aircrew chemical defence protection p 97 A86-19342, NV, December 1-5, 1985, Proceedings	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY) The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789 Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999 The effects of age, sleep deprivation, and altitude on complex performance [AD-A156887] p 15 N86-10771  AGRICULTURE Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part [IAF PAPER 85-308] p 45 A86-15820 Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199 USSR report: Life sciences. Biomedical and behavioral sciences
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-SP-7011(277)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Spatial illusions of vestibular genesis during flights in aircraft p 172 N86-21115 Distinctions in reactions to active orthostatic and water-loading tests of subjects differing in tolerance to positive Gz accelerations p 173 N86-21118 Effect of restricted motor activity on alanine level in	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [AD-A167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 AEROSPACE SAFETY Canadian developments in aircrew chemical defence protection p 97 A86-19342 SAFE Association, Annual Symposium, 23rd, Las Vegas, NV, December 1-5, 1985, Proceedings	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY) The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789 Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999 The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771  AGRICULTURE Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part [IAF PAPER 85-308] p 45 A86-15820 Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-025] p 83 N86-16881
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Spatial illusions of vestibular genesis during flights in aircraft Distinctions in reactions to active orthostatic and water-loading tests of subjects differing in tolerance to positive Gz accelerations p 173 N86-21112	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) INASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [AD-A167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 AEROSPACE SAFETY Canadian developments in aircrew chemical defence protection p 97 A86-19342 SAFE Association, Annual Symposium, 23rd, Las Vegas, NV, December 1-5, 1985, Proceedings	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY) The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Cardiovascular epidemiology, exercise, and health -40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789 Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999 The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771  AGRICULTURE Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part [IAF PAPER 85-308] p 45 A86-15820 Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199 USSR report: Life sciences. Biomedical and behavioral sciences
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Spatial illusions of vestibular genesis during flights in aircraft Distinctions in reactions to active orthostatic and water-loading tests of subjects differing in tolerance to positive Gz accelerations p 173 N86-21118 Effect of restricted motor activity on alanine level in human plasma p 173 N86-21112	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASA-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASA-CR-3922(08)] Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASA-SP-7011(288)] p 422 N86-32084 Air Force technical objective document, Aerospace Medical Division, FY 1987 [AD-A167422] p 423 N86-32093 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 AEROSPACE SAFETY Canadian developments in aircrew chemical defence protection p 7 A86-19342 SAFE Association, Annual Symposium, 23rd, Las Vegas, NV, December 1-5, 1985, Proceedings p 430 A86-47732	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23234 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY) The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789 Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999 The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771  AGRICULTURE Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part [IAF PAPER 85-308] p 45 A86-15820 Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-025] p 83 N86-16881 USSR report: Life sciences. Biomedical and behavioral sciences
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-SP-7011(277)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 117 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Spatial illusions of vestibular genesis during flights in aircraft p 172 N86-21115 Distinctions in reactions to active orthostatic and water-loading tests of subjects differing in tolerance to positive Gz accelerations p 173 N86-21122 Experimental arrhythmia and its prevention p 174 N86-21129	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) INASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [AD-A167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 AEROSPACE SAFETY Canadian developments in aircrew chemical defence protection p 97 A86-19342 SAFE Association, Annual Symposium, 23rd, Las Vegas, NV, December 1-5, 1985, Proceedings p 429 A86-47726 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23234 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY) The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789 Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999 The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771  AGRICULTURE Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part [IAF PAPER 85-308] p 45 A86-15820 Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-025] p 83 N86-16881 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-001] p 109 N86-19828 USSR report: Life sciences. Biomedical and behavioral sciences
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Spatial illusions of vestibular genesis during flights in aircraft p 172 N86-21115 Distinctions in reactions to active orthostatic and water-loading tests of subjects differing in tolerance to positive Gz accelerations p 173 N86-21122 Experimental arrhythmia and its prevention p 174 N86-21122	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASA-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASA-CR-3922(08)] Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASA-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [AD-A167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 AEROSPACE SAFETY Canadian developments in aircrew chemical defence protection p 97 A86-19342 SAFE Association, Annual Symposium, 23rd, Las Vegas, NV, December 1-5, 1985, Proceedings p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extraevhicular activity p 417 A86-47741	antibodies to coxiella burnetti p 218 N86-23231  Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232  HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments  p 210 N86-23237  Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242  Vaccine Proteins R and D on Salyut-7  p 220 N86-23242  Vaccine Proteins R and D on Salyut-7  p 220 N86-23256  AGING (BIOLOGY)  The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679  Cardiovascular epidemiology, exercise, and health -40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789  Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999  The effects of age, sleep deprivation, and altitude on complex performance  [AD-A156987]  AGRICULTURE  Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part  [IAF PAPER 85-308]  Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199  USSR report: Life sciences. Biomedical and behavioral sciences  [JPRS-UBB-85-025]  p 83 N86-16881  USSR report: Life sciences. Biomedical and behavioral sciences  [JPRS-UBB-86-001]  p 109 N86-19828  USSR report: Life sciences. Biomedical and behavioral sciences
sciences [JPRS-UBB-85-024] p 64 N86-14885 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-SP-7011(277)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 The beginnings of airborne weightlessness research [AD-A160575] p 117 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Spatial illusions of vestibular genesis during flights in aircraft p 172 N86-21115 Distinctions in reactions to active orthostatic and water-loading tests of subjects differing in tolerance to positive Gz accelerations p 173 N86-21122 Experimental arrhythmia and its prevention p 174 N86-21129	[NASĀ-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASĀ-SP-7011(286)] p 379 N86-28612 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431 USSR Space Life Sciences Digest, issue 7 [NASĀ-CR-3922(08)] p 416 N86-32083 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) INASĀ-SP-7011(288)] p 422 N86-32088 Air Force technical objective document, Aerospace Medical Division, FY 1987 [AD-A167422] p 423 N86-32090 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 AEROSPACE SAFETY Canadian developments in aircrew chemical defence protection p 97 A86-19342 SAFE Association, Annual Symposium, 23rd, Las Vegas, NV, December 1-5, 1985, Proceedings p 429 A86-47726 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741	antibodies to coxiella burnetti p 218 N86-23231 Detection of HBsAg in families of children with virial hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  AGING (BIOLOGY) The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Cardiovascular epidemiology, exercise, and health 40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789 Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999 The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771  AGRICULTURE Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable part [IAF PAPER 85-308] p 45 A86-15820 Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-025] p 83 N86-16881 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-001] p 109 N86-19828 USSR report: Life sciences. Biomedical and behavioral sciences

AIRCRAFT COMMUNICATION

USSR report: Life sciences. Biomedical and behavioral	Problems in city climate evaluation in human
sciences	biometeorological terms p 169 N86-21050
[JPRS-UBB-86-009] p 376 N86-28610	Executive summary: Ambient ozone and human health:
Biotechnology: The US Department of Agriculture's biotechnology research efforts	An epidemiological analysis [PB86-114089] p 226 N86-24212
[GAO/RCED-86-39BR] p 376 N86-29494	Ambient ozone and human health: An epidemological
AH-64 HELICOPTER	analysis, volume 3
Protective respirator for the AAH-64 Advanced Attack Helicopter p 97 A86-19336	[PB86-114105] p 226 N86-24213 AIR TO AIR REFUELING
U.S. Army helicopter voice technology applications	Learning and performance in an air refueling part-task
[SAE PAPER 841609] p 147 A86-26028	trainer - Preliminary data analysis p 260 A86-33706
AIR CONDITIONING	Visual display requirements for boom operator training
Physical causes of air draft phenomena, new facts	In aerial refueling p 383 A86-40486
p 164 N86-21018 AIR CONDITIONING EQUIPMENT	AIR TRAFFIC CONTROL Alerted monitors: Human operators aided by automated
Effectiveness of an air-cooled vest using selected air	detectors
temperature and humidity combinations	[PB85-222750] p 47 N86-13906
[AD-A162026] p 242 N86-24219	The effects of bimodal presentation of stimuli and noise
AIR COOLING Temperature wind speed humidity (TWH): A	on target detection [AD-A160122] p 134 N86-18981
biometeorological index testing p 166 N86-21028	[AD-A160122] p 134 N86-18981 AIR TRAFFIC CONTROLLERS (PERSONNEL)
Effectiveness of an air-cooled vest using selected air	Blood pressure levels of active pilots compared with
temperature and humidity combinations	those of air traffic controllers p 33 A86-14318
[AD-A162026] p 242 N86-24219 An environmentally-controlled extended-use small	System developed for psychological selection of AT controllers p 69 A86-17062
animal hypobaric chamber	controllers p 69 A86-17062 'Actions not as planned' in military air-traffic control
[AD-A166729] p 398 N86-30307	p 70 A86-18546
AIR CURRENTS	The effects of redundancy, target density and practice
The interface between atmosphere and organism	on a complex visual search task p 142 A86-23712
p 164 N86-21014 AIR DEFENSE	Use of a signal detection paradigm to assess subjective intersection points in a target location task
US Air Force combat psychiatry	p 129 A86-23720
[AD-A165011] p 292 N86-27921	Hysterical deafness - An unusual presentation of stress
Adventages of the see systems assessed to	in an air traffic control officer p 180 A86-29098
Advantages of the gas exchange approach to microbiological studies	Potential controller error modes in Automated En Route ATC (AERA) p 238 A86-29871
[AD-A166887] p 393 N86-31207	Experience and performance in video games and its
In vivo dermal absorption method and system for	influence on aptitude tests in aviation psychology
laboratory animals	[DFVLR-FB-85-43] p 73 N86-15915
[AD-D012325] p 417 N86-32951 AIR LAW	Passing scores for the FAA ATCS color vision test [AD-A160889] p. 127 N86-19890
Air ambulance regulations - A model	[AD-A160889] p 127 N86-19890 Complex monitoring performance and the
p 405 A86-44094	coronary-prone type A behavior pattern
AIR LOCKS	[AD-A168240] p 428 N86-32971
Further studies on the application of the compartmentalization/airlock concept to aircraft and	AIR WATER INTERACTIONS  The role of the oceans in the atmospheric cycle of
spacecraft p 53 A86-18842	carbonyl sulfide p 277 N86-26796
AIR NAVIGATION	AIRBORNE EQUIPMENT
A comparison of voice and keyboard data entry for a	Dynamic retraining approaches for an airborne speech
helicopter navigation system p 237 A86-29859	recognition system p 185 A86-28444
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an	recognition system p 185 A86-28444 AIRBORNE INFECTION
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS Effects of air pollution on man p 167 N86-21038	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience p 94 A86-20409  An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS Effects of air pollution on man p 150 N86-21038 Immission and weather effects on children's airway	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience p 94 A86-20409  An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897  The role of the flight psychologist in the RNLAF in A/C
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience  An analysis of the dearth of assertiveness by subordinate crewmembers  The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience p 94 A86-20409  An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897  The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience p 94 A86-20409  An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897  The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926  Training aircraft accident investigators using simulations p 233 A86-29928
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS Effects of air pollution on man p 150 N86-19923 p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience p 94 A86-20409  An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897  The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926  Training aircraft accident investigators using simulations p 233 A86-29928  'The causes of causes' - Determinants and background
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS Effects of air pollution on man p 150 N86-19923 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saartand-lower Bliestal)	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience p 94 A86-20409  An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897  The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926  Training aircraft accident investigators using simulations p 233 A86-29928  'The causes of causes' - Determinants and background variables of human factor incidents and accidents
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using simulations p 233 A86-29926 'The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saartand-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience p 94 A86-20409  An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897  The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29928  Training aircraft accident investigators using simulations p 233 A86-29928  'The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29931  Human performance aspects of accident investigation p 233 A86-29931
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience p 94 A86-20409  An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897  The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926  Training aircraft accident investigators using simulations p 233 A86-29928  'The causes of causes' - Determinants and background variables of human factor incidents and accidents  p 233 A86-29930  Human performance aspects of accident investigation  p 233 A86-29931  Progress in human performance accident investigation
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience p 94 A86-20409  An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897  The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926  Training aircraft accident investigators using simulations p 233 A86-29928  'The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930  Human performance aspects of accident investigation p 233 A86-29931  Progress in human performance accident investigation p 233 A86-29931
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS Effects of air pollution on man p 157 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 Isotopic study of the inhalation toxicology of oxidants	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience p 94 A86-20409  An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897  The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926  Training aircraft accident investigators using simulations p 233 A86-29928  'The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29931  Human performance aspects of accident investigation p 233 A86-29931  Progress in human performance accident investigation p 233 A86-29932  AIRCRAFT ACCIDENTS
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary Air quality determination in health resorts p 169 N86-21040 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 Isotopic study of the inhalation toxicology of oxidants [PB86-109485] Health effects of ambient ozone exposure in vigorously	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Training aircraft accident investigators using p 233 A86-29926 'The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29932  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 Isotopic study of the inhalation toxicology of oxidants [PB86-109485] p 256 N86-25116 Health effects of ambient ozone exposure in vigorously exercising adults	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926  Training aircraft accident investigators using simulations p 233 A86-29928  'The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29931  Human performance aspects of accident investigation p 233 A86-29931  Progress in human performance accident investigation p 233 A86-29931  AIRCRAFT ACCIDENTS  How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310  The effect of water ingress on buoyancy and thermal
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 [PB86-199485] p 256 N86-25116 Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-20409 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using simulations p 233 A86-29928 The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29931 AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary Air quality determination in health resorts p 169 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 Isotopic study of the inhalation toxicology of oxidants [PB86-109485] p 256 N86-25116 Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  AIR PURIFICATION	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using p 233 A86-29926 The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29932  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 7 A86-19333 The use of accident statistics to influence simulator
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 [PB86-199485] p 256 N86-25116 Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  AIR PURIFICATION  Utility of an emulation and simulation computer model for air revitalization system hardware design, development,	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  P 233 A86-29932  Training aircraft accident investigators using simulations p 233 A86-29928 'The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29931  Human performance aspects of accident investigation p 233 A86-29931  Progress in human performance accident investigation p 233 A86-29931  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333  The use of accident statistics to influence simulator design p 144 A86-23744 Psychological recovery after incidents and accidents
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896  Airborne trace contaminants of possible interest in CELSS p 150 N86-19923  Effects of air pollution on man p 167 N86-21038  Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040  Air quality determination in health resorts p 169 N86-21046  Local climatic particularities and their importance for recreation area (example, Saarland-lower Bilestal) p 170 N86-21064  Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 255 N86-24208  Isotopic study of the inhalation toxicology of oxidants (PB86-109485) p 256 N86-25116  Health effects of ambient ozone exposure in vigorously exercising adults (PB86-156940) p 258 N86-25989  AIR PURIFICATION  Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using p 233 A86-29926 The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29931  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19331 The use of accident statistics to influence simulator design p 144 A86-23744 Psychological recovery after incidents and accidents within aviation p 232 A86-29924
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 Isotopic study of the inhalation toxicology of oxidants [PB86-109485] p 256 N86-25116 Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  AIR PURIFICATION Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560	recognition system p 185 A86-28444  AIRBORNE INFECTION  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION  Naval Training Command mishaps and instructor experience p 94 A86-20409  An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897  The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926  Training aircraft accident investigators using simulations p 233 A86-29928  The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29931  Human performance aspects of accident investigation p 233 A86-29931  Progress in human performance accident investigation p 233 A86-29932  AIRCRAFT ACCIDENTS  How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19313  The use of accident statistics to influence simulator design p 144 A86-29744  Psychological recovery after incidents and accidents within aviation p 232 A86-29924  The case for training for the potentially catastrophic
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896  Airborne trace contaminants of possible interest in CELSS p 150 N86-19923  Effects of air pollution on man p 167 N86-21038  Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040  Air quality determination in health resorts p 169 N86-21046  Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064  Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208  Isotopic study of the inhalation toxicology of oxidants (PB86-199485) p 256 N86-25116  Health effects of ambient ozone exposure in vigorously exercising adults (PB86-156940) p 258 N86-25989  AIR PURIFICATION  Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560  Foliage plants for indoor removal of the primary	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using p 233 A86-29928 'The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29931 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29931 AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 The use of accident statistics to influence simulator design p 144 A86-23744 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The case for training for the potentially catastrophic situation
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 Isotopic study of the inhalation toxicology of oxidants [PB86-109485] p 256 N86-25116 Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  AIR PURIFICATION  Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using simulations p 233 A86-29928 'The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930  Human performance aspects of accident investigation p 233 A86-29931  Progress in human performance accident investigation p 233 A86-29931  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-1933  The use of accident statistics to influence simulator design p 144 A86-23744 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The case for training for the potentially catastrophic situation
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bleistal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 Isotopic study of the inhalation toxicology of oxidants (PB86-199485) p 256 N86-25116 Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  AIR PURIFICATION Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide  AIR QUALITY	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using simulations p 233 A86-29926 The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29932  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 17 A86-19333 The use of accident statistics to influence simulator design p 144 A86-23746 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The case for training for the potentially catastrophic situation [SAE PAPER 851917] p 264 A86-37276 The stress syndrome effects on pilot performance
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bilestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 255 N86-24208 Isotopic study of the inhalation toxicology of oxidants (PB86-109485) p 256 N86-25116 Health effects of ambient ozone exposure in vigorously exercising adults (PB86-156940) p 258 N86-25989 AIR PURIFICATION Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide AIR QUALITY Airway infections related to city climate and local	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using p 233 A86-29926 The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29932  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 7 A86-19333 The use of accident statistics to influence simulator design p 144 A86-29744 Psychological recovery after incidents and accidents within aviation p 232 A86-2992 The case for training for the potentially catastrophic situation [SAE PAPER 851917] p 264 A86-37276 A comparison of postmortem coronary atherosclerosis
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 Isotopic study of the inhalation toxicology of oxidants [PB86-109485] p 256 N86-25116 Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989 AIR PURIFICATION Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide AIR QUALITY Airway infections related to city climate and local immission load	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using simulations p 233 A86-29926 The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29932  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19313 The use of accident statistics to influence simulator design p 144 A86-29744 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The case for training for the potentially catastrophic situation [SAE PAPER 851917] p 264 A86-35447 The stress syndrome — effects on pilot performance p 290 A86-37276 A comparison of postmotem coronary atherosclerosis findings in general aviation pilot fatalities
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary Air quality determination in health resorts p 169 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 Isotopic study of the inhalation toxicology of oxidants (PB86-109485] p 256 N86-25116 Health effects of ambient ozone exposure in vigorously exercising adults (PB86-16940) p 258 N86-25989 AIR PURIFICATION Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23660 Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide AIR QUALITY Airway infections related to city climate and local immission load p 168 N86-21042 Emmission and weather effects on children's airway troubles in Berlin (1979-1982). Comparison of two different	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using p 233 A86-29926 The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930 Human performance aspects of accident investigation p 233 A86-29931  Progress in human performance accident investigation p 233 A86-29932  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 7 A86-19333 The use of accident statistics to influence simulator design p 144 A86-29744 Psychological recovery after incidents and accidents within aviation p 232 A86-2992 The case for training for the potentially catastrophic situation  [SAE PAPER 851917] p 264 A86-37276 A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities  [AD-A159811] Drugs of abuse in aviation fatalities. 1: Marijuana
Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896  Airborne trace contaminants of possible interest in CELSS p 150 N86-19923  Effects of air pollution on man p 167 N86-21038  Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040  Air quality determination in health resorts p 169 N86-21040  Air quality determination in health resorts p 169 N86-21046  Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064  Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 [Isotopic study of the inhalation toxicology of oxidants [PB86-109485] p 256 N86-25116  Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  AIR PURIFICATION  Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560  Foliage plants for indoor removal of the primary combusation gases carbon monoxide and nitrogen dioxide p 156 A86-29089  AIR QUALITY  Airway infections related to city climate and local immission load p 168 N86-21042  Emmission and weather effects on children's airway troubles in Berlin (1979-1982). Comparison of two different immissions: Loaded residential areas in West Berlin	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926 Training aircraft accident investigators using simulations p 233 A86-29928 'The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29931 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29931  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19313 The use of accident statistics to influence simulator design p 144 A86-23744 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The case for training for the potentially catastrophic situation [SAE PAPER 851917] p 264 A86-35447 The stress syndrome — effects on pilot performance p 290 A86-37276 A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Drugs of abuse in aviation fatalities. 1: Marijuana [AD-A159811] p 223 N86-24196
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bleistal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 Isotopic study of the inhalation toxicology of oxidants (PB86-109485) p 256 N86-25116 Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989 AIR PURIFICATION Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide AIR QUALITY Airway infections related to city climate and local immission load Emmission and weather effects on children's airway troubles in Berlin (1979-1982). Comparison of two different immissions: Loaded residential areas in West Berlin polluted areas	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using simulations p 233 A86-29926 The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29932  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-1933 The use of accident statistics to influence simulator design p 144 A86-23744 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The case for training for the potentially catastrophic situation [SAE PAPER 851917] p 264 A86-37276 A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Drugs of abuse in aviation fatalities. 1: Marijuana [AD-A161911] AIRCRAFT CARRIERS
Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896  Airborne trace contaminants of possible interest in CELSS p 150 N86-19923  Effects of air pollution on man p 167 N86-21038  Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040  Air quality determination in health resorts p 169 N86-21040  Air quality determination in health resorts p 169 N86-21046  Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064  Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 [Isotopic study of the inhalation toxicology of oxidants [PB86-109485] p 256 N86-25116  Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  AIR PURIFICATION  Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560  Foliage plants for indoor removal of the primary combusation gases carbon monoxide and nitrogen dioxide p 156 A86-29089  AIR QUALITY  Airway infections related to city climate and local immission load p 168 N86-21042  Emmission and weather effects on children's airway troubles in Berlin (1979-1982). Comparison of two different immissions: Loaded residential areas in West Berlin	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926 Training aircraft accident investigators using simulations p 233 A86-29928 'The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29931 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29931  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19313 The use of accident statistics to influence simulator design p 144 A86-23744 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The case for training for the potentially catastrophic situation [SAE PAPER 851917] p 264 A86-35447 The stress syndrome — effects on pilot performance p 290 A86-37276 A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Drugs of abuse in aviation fatalities. 1: Marijuana [AD-A159811] p 223 N86-24196
helicopter navigation system Particular problems of airworthiness from an ophthalmological view P 283 N86-26812  AIR POLLUTION Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] P 93 N86-16896 Airborne trace contaminants of possible interest in CELSS P 150 N86-19923 Effects of air pollution on man P 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary P 168 N86-21040 Air quality determination in health resorts P 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) P 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] Isotopic study of the inhalation toxicology of oxidants [PB86-109485] Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] P 258 N86-25989 AIR PURIFICATION Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] P 140 A86-23560 F Diage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide AIR QUALITY Airway infections related to city climate and local immission load Emmission and weather effects on children's airway troubles in Berlin (1979-1982). Comparison of two different immissions: Loaded residential areas in West Berlin polluted areas P 168 N86-21046 The biological efficiency of dust	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using p 233 A86-29926 Training aircraft accident investigators using p 233 A86-29926 The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29932  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 The use of accident statistics to influence simulator design p 144 A86-23744 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The case for training for the potentially catastrophic situation [SAE PAPER 851917] p 264 A86-35447 The stress syndrome effects on pilot performance p 290 A86-37276 A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatatities [AD-A159811] p 93 N86-17982 Part-training strategies in simulated carrier landing final
helicopter navigation system p 237 A86-29859 Particular problems of airworthiness from an ophthalmological view p 283 N86-26812  AIR POLLUTION  Ambient ozone and human health: An epidemiological analysis, volume 1 [PB85-245181] p 93 N86-16896 Airborne trace contaminants of possible interest in CELSS p 150 N86-19923 Effects of air pollution on man p 167 N86-21038 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Air quality determination in health resorts p 169 N86-21046 Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064 Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985 [DE86-002161] p 225 N86-24208 [sotopic study of the inhalation toxicology of oxidants [PB86-109485] p 256 N86-25116 Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  AIR PURIFICATION  Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Foliage plants for indoor removal of the primary combusation gases carbon monoxide and nitrogen dioxide  AIR QUALITY  Airway infections related to city climate and local immission load p 168 N86-21042 Emmission and weather effects on children's airway troubles in Berlin (1979-1982). Comparison of two different immissions: Loaded residential areas in West Berlin polluted areas p 168 N86-21045 Air quality determination in health resorts p 169 N86-21046	recognition system p 185 A86-28444  AIRBORNE INFECTION Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  AIRCRAFT ACCIDENT INVESTIGATION Naval Training Command mishaps and instructor experience p 94 A86-20409 An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Training aircraft accident investigators using simulations p 233 A86-29926 The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930 Human performance aspects of accident investigation p 233 A86-29931 Progress in human performance accident investigation p 233 A86-29931  AIRCRAFT ACCIDENTS How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 The use of accident statistics to influence simulator design p 144 A86-23744 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The case for training for the potentially catastrophic situation [SAE PAPER 851917] p 264 A86-35447 The stress syndrome effects on pilot performance p 290 A86-37276 A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 23 N86-2749  AIRCRAFT CARRIERS Part-training strategies in simulated carrier landing final approach training p 131 A86-23749

```
p 169 N86-21050
                              Improving intelligibility in audio distribution systems
ne and human health
                                                               p 186 A86-28513
                          AIRCRAFT COMPARTMENTS
  p 226 N86-24212
                            Further studies on the application of the compartmentalization/airlock concept to aircraft and
h: An epidemological
                                                                 p 53 A86-18842
  p 226 N86-24213
                              Inhalation toxicology. Part 6: Evaluation of the relative
                            toxicity of thermal decomposition products from 9 aircraft
air refueling part-task
  p 260 A86-33796
                            [AD-A168250]
                                                                p 424 N86-32958
oom operator training
                          AIRCRAFT CONFIGURATIONS
  p 383 A86-40486
                              The helicopter to fixed wing conversion program: A
                            critical review
rs aided by automated
                            [AD-A1568201
                                                                 p 42 N86-12968
                          AIRCRAFT CONTROL
   p.47 N86-13906
                              Normalized predictive deconvolution - A time series
on of stimuli and noise
                            algorithm for modeling human operator dynamics
  p 134 N86-18981
                                                                 D 44 A86-14238
                              Pilots of the future - Human or computer?
SONNEL)
pilots compared with
                                                                 p 74 A86-18541
                                          Behavioral Engineering
   p 33 A86-14318
                              Aerospace
                                                                      Technology
gical selection of AT
                            Conference, 3rd, Long Beach, CA, October 15-18, 1984,
   D 69 A86-17062
                            Proceedings
ry air-traffic control
                                                                p 145 A86-26001
   p 70 A86-18546
                              The effects of preview period on descent detection
et density and practice
p 142 A86-23712
                                                               p 230 A86-29902
                              Application of the method of problem taxonomy to the
n to assess subjective
                            simulation of human service reliability in the manual
on task
                            steering of aircraft
  p 129 A86-23720
                            [MBB-LKE-301/S/PUB/216]
                                                                p 432 A86-47771
presentation of stress
                              The biomorphic model of the human pilot
  p 180 A86-29098
                            [VTH-LR-310]
                                                               p 100 N86-17991
 Automated En Route
                             A model for the human's use of visual field cues in
  p 238 A86-29871
                            nap-of-the-Earth flight
                                                               p 441 N86-33004
 video games and its
                              A flight test method for pilot/aircraft analysis
p 73 N86-15915
                                                               p 442 N86-33011
                          AIRCRAFT DESIGN
ICS color vision test
                              Human factors in aviation. III - Some comtemporary
 p 127 N86-19890
                                                                 p 44 A86-13263
mance and the
                              Flight deck automation decisions
                            [SAE PAPER 841471]
                                                                p 145 A86-26002
  p 428 N86-32971
                              Flight deck design methodology using computerized
                           anthropometric models
[SAE PAPER 841472]
atmospheric cycle of
                                                                p 146 A86-26003
  p 277 N86-26796
                              Advanced fighter technology integration (AFTI) F-16 -
                            The pilot interface
r an airborne speech
                            [SAE PAPER 841633]
                                                                p 146 A86-26018
  p 185 A86-28444
                              Cockpit design and evaluation data bases
                                                                p 236 A86-29857
 airborne pollen and
                              Cockpit automation - Design and implementation
affected by bronchial
p 167 N86-21036
                            [SAE PAPER 851921]
                                                                p 270 A86-35431
                             Human factors: The Cinderella discipline in cockpit
terface design p 294 N86-26825
haps and instructor
                         interface design
AIRCRAFT EQUIPMENT
   p 94 A86-20409
veness by subordinate
                              New developments in on board oxygen generators
p 229 A86-29897
in the RNLAF in A/C
                                                               p 430 A86-47740
                              A review of the pilot backache problem in the CH113
                            Labrador helicopter
  p 233 A86-29926
                            [AD-A164011]
                                                                p 256 N86-25113
investigators
                              Cockpit automation requirements derived from mission
  p 233 A86-29928
                            functions data
                                                               p 293 N86-26318
ants and background
                              Inhalation toxicology. 5: Evaluation of relative toxicity
and accidents
                            to rats of thermal decomposition products from two aircraft
 p 233 A86-29930
                            seat fire-blocking materials
ccident investigation
                           [AD-A165034]
                                                               p 277 N86-27866
  p 233 A86-29931
                          AIRCRAFT FUELS
accident investigation
                            USAF toxicology research on petroleum and shale-derived aviation gas turbine fuels
  p 233 A86-29932
                            [ASME PAPER 85-GT-34]
                                                                p 80 A86-22023
is acceptable in
                         AIRCRAFT HAZARDS
   p 96 A86-19310
                             Inhalation toxicology. 5: Evaluation of relative toxicity
uoyancy and thermal
                            to rats of thermal decomposition products from two aircraft
   p 97 A86-19333
                            seat fire-blocking materials
to influence simulator
                            [AD-A1650341
                                                                p 277 N86-27866
  p 144 A86-23744
                         AIRCRAFT INSTRUMENTS
idents and accidents
                             Emergent techniques for assessment of visual
  p 232 A86-29924
                            performance
otentially catastrophic
                            PB86-1447551
                                                               p 258 N86-25988
                         AIRCRAFT LANDING
  p 264 A86-35447
                             Part-training strategies in simulated carrier landing final
n pilot performance
                            approach training
                                                               p 131 A86-23749
                             Levels of helicopter control force inputs during in-flight
  p 290 A86-37276
onary atherosclerosis
                            emergency conditions as a function of
                                                                           aviator
dities
                                                              p 236 A86-29852
                            experience
   p 93 N86-17982
1: Marijuana
                              Determination of the load and stress on a cockpit crew
                            during flight using tasking networks and the SAINT
  p 223 N86-24196
                                                               p 432 A86-47770
                            simulation language
                             Assessing the health risks of carrier landings in US Navy
ed carrier landing final
                            pilots
  p 131 A86-23749
                           [AD-A160928]
                                                               p 127 N86-19891
er landings in US Navv
                             An analysis of visual tasks in helicopter shipboard
                            landing
  p 127 N86-19891
                           [AD-A161101]
                                                                p 136 N86-19903
```

**AIRCRAFT MANEUVERS** A model and experimental analysis of pilot decision making behavior for various automatic approach INLR-TR-84037-U1 n 292 N86-26835 Closed-loop, pilot/vehicle analysis of the approach and p 442 N86-33013 AIRCRAFT MANFLIVERS The optimum presentation of cognitive training during ight training program p 130 A86-23731 A control theory model of aviator behavior p 232 A86-29913 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097 Visual capabilities related to fighter aircrew performance in the F-14 and adversary aircraft p 400 N86-30320 Vision test battery threshold and response time as predictors of air-to-air visual target acquisition in F-14 and adversary aircraft p 400 N86-30321 Representation for closed form significance testing in p 408 N86-31219 AIRCRAFT NOISE Noise levels in cockpits of aircraft during normal cruis p 145 A86-25651 and considerations of auditory risk Cockpit speech interference considerations p 229 A86-29895 The role of vibration and rattle in human response to helicopter noise AD-A1624861 p 182 N86-22110 AIRCRAFT PARTS Effect of seat cushions of human respone to +Gz impact p 145 A86-25652 Simulation of aircraft seat response to a crash p 272 A86-36879 AIRCRAFT PERFORMANCE Cockpit automation - Design and implementation [SAE PAPER 851921] p 270 A86-35431 Pilot vehicle interfaces with smart avionics systems ISAE PAPER 851923] p 270 A86-35432 AIRCRAFT PILOTS Airline pilot disability - The continued experience of a maior II Ś. airlina A86-10251 Pilots of the future - Human or computer? p 74 A86-18541 Inflight loss of consciousness. II p 58 A86-18548 Conserving instructional training resources through use of the personalized system of instruction p 129 A86-23719 Mitral valve prolapse in a young person - An estimation of the risk of arrhythmia - The impact on the flight fitness of a pilot p 113 A86-24510 Ischemic cardiopathology in pilots - The risk, the methods of detection and prevention p 113 A86-24511 Situation versus command --- flight information for pilots [SAE PAPER 841638] p 147 A86-26023 U.S. Army helicopter voice technology applications [SAE PAPER 841609] p 147 A86-26028 p 228 A86-29887 The scared pilot Micropat - A progress report on the validation of an automated test battery for pilot selection p 231 A86-29911 The personality and physique of undergraduate aviation p 382 A86-40571 maiors Human factors problems in the tactical air command p 396 Inflight loss of consciousness - A first look at the U.S. Navy experience A86-44780 D 396 Instructions for flight crew members and flight crew training and examination guidelines of the West German ederal Board of Transport p 95 N86-17985 (REPT-1) Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832

Medical Selection and Physiological Training of Future Fighter Aircrew [AGARD-CP-396] p 398 N86-30309 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview

Operator alertness/workload aggaggmant stochastic model-based analysis of myoelectric signals [AD-A168568] p 429 N86-32974 Automated anthropometric data measurement system r AD-D0122991 p 443 N86-33017

AIRCRAFT SAFFTY Computer tools and techniques for analysis of discrete data from aircrew automated escape systems (AAES)

p 96 A86-19302 U.S. Navy ALSS corporate report 1984

p 96 A86-19309 Molecular sieve oxygen systems and aircraft role p 96 A86-19315

Pilot underwater high pressure emergency breathing p 97 A86-19343 system

The state of the art of anthropomorphic manikins and requirements for the evaluation of advanced aircraft p 98 A86-19345 ejection systems

The training and certification of the general aviation

[SAE PAPER 841468] p 132 A86-26013 Validation of SOM-LA occupant response

Seat/Occupant Model - Light Aircraft (SAE PAPER 850850) p 293 A86-38510

SAFE Association, Annual Symposium, 23rd, Las Vegas, NV, December 1-5, 1985, Proceedings p 429 A86-47726

An engineering test and evaluation of several new anti-G valves --- for high performance fighter aircraft

n 430 A86-47734 'The ACDAR' - Advanced chemical defense aircrew p 430 A86-47735 respirator Molecular sieve oxygen generation system (MSOGS)

p 430 A86-47737 onboard the B-1B bomber The development of two prototype facial protection

systems for high performance aircrew helmets

p 430 A86-47739 Tactical Life Support System (TLSS) aircrew integrated p 431 A86-47746 garment

The changing face of constant wear anti-exposure protection --- of Naval aircrewmen against immersion p 431 A86-47749 A new standard for protective headgear - BS 6658

#### p 431 A86-47752 AIRCRAFT SPIN

Evaluation of pilot performance and aircrew protective devices in a simulated F-14 flat spin environment

p 86 A86-19351

#### AIRCRAFT STABILITY

Helicopter crew evaluations on the effects of vibration p 260 A86-33800 on performance AIRCRAFT STRUCTURES

Method of calculating angular dimensions of flight p 76 N86-15886 vehicle cockpit canopy casings p 76 N86-15886 Inhalation toxicology. Part 6: Evaluation of the relative toxicity of thermal decomposition products from 9 aircraft panel materials

[AD-A168250] p 424 N86-32958

#### AIRLINE OPERATIONS

Airsickness among Indian Airlines passengers

p 12 A86-12435

Coping with automation - An airline v

p 238 A86-29873 Recurrent cockpit resource management training at **United Airlines** A86-29889 ALANINE

Response of rat hindlimb muscles to 12 hours recovery from tail-cast suspension p 198 A86-30426 Investigation on the chirality of electrons from Sr-90-Y-90 eta-decay and their asymmetrical interactions with D- and p 243 A86-33390 -alanines

Effect of restricted motor activity on alanine level in ıman plasma p 173 N86-21122 AI BUMINS

Production and characterization of antibodies to benzo(a)pyrene

IDE86-0022041 p 222 N86-23271

**ALCOHOLS** Some effects of alcohol and simulated altitude on complex performance scores and breathanalyzer

readings [AD-A158925] p 68 N86-15905

#### ALDOSTERONE

p 399 N86-30312

p 399 N86-30315

p 400 N86-30322

p 401 N86-30324

p 401 N86-30325

Continuous ECG monitoring of Mirage 2000 pilots (comparison with Mirage 3 and F1 pilots)

The use of ECG changes caused by acceleration as plerance predicition factors p 399 N86-30316

The vertebral column: Selection and aptitude of combat

Treadmill spiroergometry in the selection and screening

of high-performance combat aircraft pilots in the Beligan

tolerance predicition factors

Physical training of Mirage 2000 pilots

aircraft pilots of the future

Cardiorenal-endocrine responses to head-out immersion at night Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt

p 253 A86-36311 Aldosterone response to angiotensin II during hypoxemia p 418 A86-47870 Effect of dry immersion model on parameters of fluid-electrolyte metabolism, blood plasma aldosterone and cortisol levels in individuals differing in body fluid p 65 N86-15875 content

**ALERTNESS** 

Automatic and controlled processing approach to p 259 A86-33777 interpreting vigilance performance Information processing in vigilance performance Complexity revisited p 259 A86-33778 acclimatization Altitude (ventilation and siveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 Complex monitorina performance and oronary-prone type A behavior pattern p 428 N86-32971 [AD-A1682401 alertness/workload Operator using assessment

stochastic model-based analysis of myoelectric signs p 428 N86-32973 [AD-A168567] Operator alertness/workload assessment using stochastic model-based analysis of myoelectric signs

[AD-A168568] p 429 N86-32974 ALGAE

Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029 Diatoms on earth, comets, Europa and in interstellar p 410 A86-44354 space

Physiology/biochemistry of photoactivation of O2 evolution: Probes for the S-state protein

p 53 N86-14843 [DF85-0168341 Cellular effects of electromagnetic radiation

[AD-A158547] p 63 N86-14878 Investigation of distinctions referable to growth, development and metabolism of Closteriopsis acicularis algae when cells are limited in nitrogen as related to biological life-support systems for man

p 57 N86-15883 Investigation of mineral nutrition of a new form of microalgae to be used in biological life-support systems N86-15892 p 57

Potential for utilization of algal biomass for components of the diet in CELSS p 148 N86-19907 Observations on gas exchange and element recycle within a gas-closed algal-mouse system

p 150 N86-19924 An analysis of the productivity of a CELSS continuous p 151 N86-19927 algal culture system Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in the atmosphere n 280 N86-27903 Advantages of the gas exchange approach to

microbiological studies
[AD-A166887]

p 393 N86-31207 ALGORITHMS

Syllogistic reasoning tasks, a methodological review [AD-A159190] p 71 N86-1489; p 71 N86-14892 Automatic determination of cardiac output p 66 N86-15889 rheogram of the trunk Advanced servomanipulator development

[DE85-017720] p 100 N86-17989 Wet chamber dives to test algorithms for electronic p 125 N86-19878 decompressiometers

Goldstone field test activities: Sky survey

p 310 N86-26912 JPL's role in the SETI program p 310 N86-26913 Representation for closed form significance testing in VL1 p 408 N86-31219

### ALKALINITY

Aspects of the biogeochemistry of Big Soda Lake Nevada D 51 A86-18031 **ALKALOSIS** 

Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683 ALI-WEATHER AIR NAVIGATION

### Automation and pilot interactions in night or all-weather

p 293 N86-26319 tactical operations ALPINE METEOROLOGY

Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial p 167 N86-21036

## ALTIMETERS

Effects of digital altimetry on pilot workload [SAE PAPER 841489] p 132 A86-26019 Effects of digital altimetry on pilot workload

[NASA-TM-86424] p 42 N86-13892

### ALTITUDE

Perception of altitude in the low and medium altitude p 231 A86-29907 ranges The effects of age, sleep deprivation, and altitude on complex performance

[AD-A156987] p 15 N86-10771

#### ALTITUDE ACCLIMATIZATION

Prediction of the functional state of the body during adaptation to high altitudes p 31 A86-13298

The environment and the heart Russian book

p 25 A86-13460 Aldosterone, cortisol, and electrolyte responses to

hypobaric hypoxia in moderate-altitude natives p 32 A86-14316

Air Force

Use of a linguistic test in the course of large-scale Change of RNA and protein level in neurons-glia system physiological selection of men for work in an adverse under effects of hyperthermia and hypoxia environment p 35 A86-15523 p 278 N86-27877 Changes in immunoreactivity during adaptation to ALUMINUM COATINGS p 80 A86-21451 intervals of hypoxic hypoxia Abrasion-resistant aluminized-coated aramid fabrics for anufacture of firefighters' protective clothing D-A157056] p 75 N86-14901 Microcirculatory changes in rats with burn shock following adaptation to high-altitude hypoxia [AD-A157056] p 81 A86-22547 Refurbishing spray on aluminum enamel on proximity Carotid bodies are required for ventilatory acclimatization clothing to chronic hypoxia [AD-A1597071 p 153 N86-19944 p 206 A86-30682 ALVEOLAR AIR Ventilatory acclimatization to hypoxia is not dependent Conditioning potentialities of respiratory apparatus on cerebral hypocapnic alkalosis p 206 A86-30683 p 14 N86-10753 Physiological profile of world-class high-altitude p 281 A86-39098 climbers Response of enlarged alveolar vessels to acute The content of lactic acid in the blood and erythropoiesis hypoxia p 378 A86-41785 during hypoxia p 393 A86-45324 Solute conductance of blood-gas barrier in hamsters T and B components of immunity in the presence of exposed to hyperoxia p 391 A86-44195 acute mountain sickness p 286 N86-27892 A model of inhaled gas and vapor transport in the human Altitude acclimatization (ventilation lung and chemoresponsiveness) during wakefulness and sleep [AD-A1608291 p 117 N86-18976 [AD-A1677381 p 423 N86-32091 AMBIENT TEMPERATURE Zonal differentiation of performance under heat stress Altitude acclimatization attentuates plasma ammonia during submaximal exercise ·-- of humans p 251 A86-33801 Synchronization of heart contractions and respiration [AD-A168630] p 425 N86-32962 ALTITUDE CONTROL during thermoregulatory polypnea in dogs Pilot-oriented performance measurement p 245 A86-34490 [AD-A158849] Substantiation of physiological criteria for assessing the p 40 N86-13890 functional status of the human body in high-temperature ALTITUDE SICKNESS Headache at high altitude is not related to internal carotid environmente p 255 A86-36532 Human thermoregulatory responses to cold air are arterial blood velocity D 8 A86-10108 altered by repeated cold water immersion The bends at high altitude p 32 A86-13573 p 281 A86-39094 Effects of hemodilution on O2 transport in high-altitude Health effects of ambient ozone exposure in vigorously p 37 A86-16053 polycythemia exercising adults Cerebral thrombosis at altitude - Its pathogenesis and [PB86-156940] p 258 N86-25989 the problems of prevention and treatment **AMBULANCES** p 87 A86-20410 Air ambulance regulations - A model Low acute hypoxia ventilatory response and hypoxic p 405 A86-44094 depression in acute altitude sickness **AMERICIUM** p 252 A86-36224 Accidental exposure to americium [DE85-012794] Effect of spironolactone on acute mountain sickness p 39 N86-12965 p 377 A86-41781 AMIDES Respiratory response and muscle function during A comparative study of prebiotic and present day ric handgrip exercise at high altitude translational models [AD-A162003] p 223 N86-24198 T and B components of immunity in the presence of The effect of 24-hr sleep deprivation on the metabolism acute mountain sickness p 286 N86-27892 of biogenic amines p 9 A86-10700 Effects of high altitude on neurological and pulmonary Development status of regenerable solid amine CO2 function: The effect of high altitude on visual evoked control systems [SAE PAPER 851340] potentials in humans on Mt. Everest p 138 A86-23527 Health and Environmental Effects of Complex Chemical [AD-A1683351 p 424 N86-32959 Effect of dexamethasone on symptoms of acute Mixtures mountain sickness at Pikes Peak, Colorado (4300m) [DE85-016336] p 92 N86-16892 [AD-A1686621 p 425 N86-32963 ALTITUDE SIMULATION Amino acids of the Murchison meteorite. II - Five carbon Nonhypoxic syncopes at high altitude - The results of acyclic primary beta-, gamma-, and delta-amino alkanoid two observational trials in a hypobaric chamber p 77 A86-19126 p 31 A86-13572 A multivariate study of the relationship between the Analyses of maximum cardiopulmonary performance genetic code and the physical-chemical properties of during exposure to acute hypoxia at simulated altitude -Sea level to 5000 meters (760-404 mm Hg) p 104 A86-23997 Responses of amino acids in hindlimb muscles to p 60 A86-18839 recovery from hypogravity and unloading by tail-cast suspension p 202 A86-30456 The effects of aerial perspective on altitude estimation p 130 A86-23730 Simulation of thermal polycondensation processes of Changes in glycolytic intermediates in rat erythrocytes amino acids during the migration of their aqueous solutions during exposure to simulated high altitude in the earth's lithosphere p 274 A86-34489 p 156 A86-29097 Gamma-aminobutyric acid and bulbar mechanisms of Cutaneous vascular responses to heat simulated at a hemodynamic regulation p 246 A86-35941 high altitude of 5.600 m p 252 A86-36219 Synthesis and analysis in chemical evolution Pulmonary gas exchange in humans exercising at sea vel and simulated altitude p 419 A86-47874 p 297 A86-38145 level and simulated altitude Metabolism of amino acids by the atrophied soleus of Some effects of alcohol and simulated altitude on p 374 A86-43442 tail-casted, suspended rats complex performance scores and breathanalyzer Study of toxic and antigenic structures of botulinum readings neurotoxins [AD-A158925] [AD-A156642] p 68 N86-15905 p 29 N86-13880 An environmentally-controlled extended-use small Effect of 24,25-dihydroxycholecalciferol on amino acid animal hypobaric chamber metabolism of hypokinetic rats p 55 N86-14869 [AD-A166729] p 398 N86-30307 Investigation of some aspects of human amino acid ALTITUDE TOLERANCE metabolism during 120-day antiorthostatic hypokinesi Biological parameters in Japanese quail genetically p 65 N86-15873 selected for resistance or sensitivity to an acute hypoxi Molecular approaches to selective immunization urvival p.2 A86-10256 Nonhypoxic syncopes at high altitude - The results of [AD-A160141] p 107 N86-18954 Some aspects of human amino acid metabolism at high two observational trials in a hypobaric chamber altitude p 175 N86-21136 Multidisciplinary studies on excitatory amino acids as p 31 A86-13572 Comparison between the antihypoxic effectiveness of ansmitters in the brain drugs and pressure-chamber training p 34 A86-15518
Effect of fasting on hypoxia tolerance of mice in relation [AD-A164258] p 256 N86-25115 Synthesis and analysis in studies of chemical volution p 300 N86-26864 to oxygen consumption and heart rate p 52 A86-18840 Further work on sodium montmorillonite as catalyst for Nocturnal periodic breathing at altitudes of 6,300 and the polymerization of activated amino acids 8.050 m p 419 A86-47875 p 301 N86-26868

Adsorption and condensation of amino acids and

p 301 N86-26869

[AD-A165832]

nucleotides with soluble mineral salts

Byos m

Dynamics of general resistance of rats during readaptation period after training in altered gas environment

period after training in altered gas environment

Intramolecular interactions in aminoacyl nucleotides: Implications regarding the origin of genetic coding and protein synthesis p 302 N86-26873 Stereoselective aminoacylation of RNA p 302 N86-26875 Models of glycolysis: Glyceraldehyde as a source of energy and monomers for prebiotic condensation reactions p 302 N86-28876 A comparative study of prebiotic and present day translational models p 303 N86-26877 Protobiological informatoin, bidirectional recognition and reverse translation p 303 N86-26878 Investigations with methanobacteria and with evolution of the genetic code p 306 N86-26890 Functional and evolutionary relationships between bacteriorhodopsin and halorhodopsin archaebacterium, halobacterium halobium p 306 N86-26892 Amino acid spectrum of human blood in the presence of emotional stress p 287 N86-27901 AMMONIA Photochemical reactions in interstellar grains photolysis of CO, NH3, and H2O p 189 A86-28721 Photolysis products of CO, NH3 aND H2O and their significance to reactions on interstellar grains p 298 N86-26849 Direct spectrophotometric method of assaying ammonia concentration in gas environment of seeding chambers p 280 N86-27900 Altitude acclimatization attentuates plasma ammonia during submaximal exercise [AD-A168630] p 425 N86-32962 AMMONIUM COMPOUNDS Effects of NO3(-) and NH4(+) and urea on each other's uptake and incorporation p 152 N86-19933 Altitude acclimatization attentuates plasma ammonia during submaximal exercise [AD-A168630] p 425 N86-32962 AMMONIUM NITRATES Health hazard evaluation of liquid monopropellants.
Phase 4. Subchronic inhalation of hydroxylammonium nitrate, January 1985 [AD-A157623] p 17 N86-11844 AMPHIBIA Response of amphibian egg non-yolk cytoplasm to gravity orientation p 195 fertilization Amphibian development microgravity p 195 A86-30408 Vivaria requirements for animal life cycle studies on space station p 200 A86-30443 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Changes in the morphological and molecular biological processes during early embryo development in amphib under micro g conditions p 388 N86-29522 **AMPLITUDES** Electrodermal changes corresponding to the degree of discomfort induced by motion sickness [NAL-TR-880] p 176 N86-22096 Transient proton inflows during illumination of anaerobic Halobacterium halobium cells p 374 A86-43436 Structure and function of isozymes: Evolutionary aspects and role of oxygen in eucaryotic organisms [NASA-CR-176286] p 6 N86-11831 An evaluation of tests of anaerobic power [AD-A162826] p 224 N86-24203 The principle of cooperation and life's origin and p 303 N86-26880 Thioredoxins in evolutionarily primitive organisms p 306 N86-26893 ANALOG CIRCUITS JPL's role in the SETI program p 310 N86-26913 ANALOG DATA Comparison of novice and experienced pilots using nalog and digital flight displays p 227 A86-29665 analog and digital flight displays ANALOGS Hypnogenic activity of a cyclic structural analog of delta-sleep-inducing peptide p 105 A86-24368 Development of a mechanical analog of a human spine p 418 A86-47753 Selection of an appropriate animal model for study of bone loss in weightlessness p 412 N86-31436 ANALYTICAL CHEMISTRY Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 p 108 N86-18957 ANAPHYLAXIS Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring DE86-0022391 p 225 N86-24209 VMOTAKA Information processing in mammalian visual cortex

p 376 N86-28609

Radiographic determination of mass of inertial tensors	Device for rapid quantification of human carotid	ANTIGENS
of anatomical segments [AD-A168581] p 425 N86-32961	baroreceptor-cardiac reflex responses p 162 A86-28125	The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic
ANEMIAS	Helicopter-control-referenced strength capabilities of	determinant p 105 A86-24323
Regulation of hematopoiesis in rats exposed to	small individuals p 213 A86-29855	Effect of nonionizing microwave radiation on the
antiorthostatic hypokinetic/hypodynamia. II - Mechanisms	A graphic anthropometric aid for seating and workplace	autoimmune reactions and antigenic structure of serum
of the 'anemia' p 80 A86-20404 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo	design	proteins p 106 A86-24425 A study of the effect of ultrasound on the antigenic
and in vitro p 388 N86-29524	[AD-A156988] p 23 N86-10788	activity of human erythrocytes p 254 A86-36495
ANESTHETICS	Human body biomechanics and movements after 120-day antiorthostatic hypokinesia p 60 N86-14851	Nuclear lamins and peripheral nuclear antigens during
The effects of ketamine on Rhesus monkey skeletal	Report of the symposium on biological monitoring of	fertilization and embryogenesis in mice and sea urchins
dynamics [AD-A162848] p 213 N86-24189	exposure to metals and other inorganic compounds	p 371 A86-40675 Sequence polymorphism of HLA-DR beta 1 alleles
[AD-A162848] p 213 N86-24189 ANGLES (GEOMETRY)	[MBL-1985-6] p 85 N86-17980	relating to T cell-recognized determinants
The choice of seat back angle to improve acceleration	A Computer Aided Design (CAD) system as a tool for	[AD-A160237] p 107 N86-18956
tolerance	the ergonomist in developing man-machine systems [IZF-1985-10] p 100 N86-17993	DNA and protein studies of HLA class 2 molecules: Their
[CEV-70-209] p 386 N86-29512	Helicopter-referenced single control, center-position	relationship to T cell recognition
ANGULAR ACCELERATION  The effective intensity of Coriolis, cross-coupling	force exertion capabilities of males and females	[AD-A160704] p 116 N86-18968 The production of RhO(D) negative erythrocytes
stimulation is gravitoinertial force dependent - Implications	[AD-A161234] p 154 N86-19946	[AD-A160775] p 116 N86-18971
for space motion sickness p 163 A86-29093	Physical, anthropometrical, and body composition	Investigation of reactogenic and antigenic activity of
Single sinusoids compared with a multiple-sinusoids	characteristics of workers at Kennedy Space Center	chromatographically purified, concentrated and inactivated
technique for evaluating horizontal semicircular canal function p 395 A86-44089	[NASA-TM-83102] p 272 N86-25122 Demographic and anthropometric assessment of US	dry vaccine against tick borne encephalitis p 119 N86-19837
Nystagmus as related to utricular function	Army anthropometric data base	Suppression of antibody forming cells by muramyl
p 61 N86-14862	[AD-A164637] p 295 N86-26838	Di-peptides
ANIMALS	Anthropometry research program	[AD-A162400] p 159 N86-22084
Vivaria requirements for animal life cycle studies on space station p 200 A86-30443	[FOA-C-50032-H2] p 386 N86-29511	Studies on the mechanism of suppression of the immune response by synthetic, non-toxic adjuvants
Animal studies on Spacelab-3	Anthropometric considerations for a 4-axis side-arm	[AD-A162444] p 160 N86-22085
[NASA-TM-88212] p 92 N86-16889	flight controller p 439 N86-32993	Test of erythrocyte antigen diagnostic agent for detecting
Mesolimbic and nigrostriatal dopaminergic systems:	Automated anthropometric data measurement system [AD-D012299] p 443 N86-33017	antibodies to coxiella burnetti p 218 N86-23231
Behavioral neuropharmacology	A collation of United States Air Force anthropometry	HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233
[AD-A160821] p 136 N86-19900 USSR report: Space Biology and Aerospace Medicine,	[AD-A168485] p 443 N86-33019	Some characteristics of epizootic process in
volume 19, no. 6, November - December 1985	ANTIBIOTICS	hemorrhagic fever with renal syndrome
[JPRS-USB-86-001] p 172 N86-21114	Development of an ultrafast-curing wound dressing	p 218 N86-23234
Effects of atropine sulfate on aircrew performance	[AD-A162471] p 177 N86-22099 ANTIBODIES	Artificial vaccines and stimulation of immunity
[AD-A165063] p 290 N86-27919 US monkey and rat experiments flown on the Soviet	Response of amphibian egg non-yolk cytoplasm to	p 219 N86-23238 Artificial antigens, vaccines reviewed
Satellite Cosmos 1514	gravity orientation p 195 A86-30407	p 219 N86-23239
[NASA-TM-88223] p 375 N86-28606	Development of vaccines to the mycotoxin T-2	Description of preparation of capsular antigen isolated
An environmentally-controlled extended-use small	[AD-A158544] p 63 N86-14877	from yersinia pestis strain EV p 219 N86-23242
animal hypobaric chamber [AD-A166729] p 398 N86-30307	Improved monoclonal antibodies to halodeoxyuridine	Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus
Physical interaction of humans and animals with	[DE85-017764] p 92 N86-16891 Ultrasensitive detection of chemical substances	p 220 N86-23243
power-frequency electric and magnetic fields	[AD-A159996] p 108 N86-19825	Cloning and analysis of genes for anthrax toxin
[DE86-007734] p 402 N86-31215	Potential for cross-reactive protection using peptides	components
Selection of an appropriate animal model for study of bone loss in weightlessness p 412 N86-31436	and adjuvants or carrier molecules	[AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus
ANNIHILATION REACTIONS	[AD-A160360] p 108 N86-19826 Suppression of antibody forming cells by muramyl	anthracis
On the biological hazard of galactic antinuclei	Di-peptides	[AD-A162002] p 212 N86-24187
p 378 A86-43437	[AD-A162400] p 159 N86-22084	Fiberoptics immunofluorescence spectroscopy for
ANNUAL VARIATIONS	Development and use of anucleated bacterial cells to	chemical and biological monitoring
Seasonal dynamics of circadian rhythms of oxygen consumption and heat production in youths in Siberian	assay the in vivo activity of pollutants [AD-A162727] p 160 N86-22089	[DE86-002239] p 225 N86-24209 Macrophage structure and function
conditions p 254 A86-36529	Test of erythrocyte antigen diagnostic agent for detecting	[AD-A163314] p 276 N86-26793
Manganese metabolism in healthy humans during	antibodies to coxiella burnetti p 218 N86-23231	ANTIGRAVITY
different times of the year p 255 A86-36533	Detection of HBsAg in families of children with viral	Servo operated anti-G suit pressurization system
ANOMALIES  Geochemical anomalies, bolide impacts and biological	hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various	[AD-D011932] p 147 N86-18988 ANTINUCLEONS
extinctions on the Earth p 308 N86-26903	regions of USSR p 218 N86-23233	On the biological hazard of galactic antinuclei
Selection and medical testing of Mirage 2000 pilots:	Artificial vaccines and stimulation of immunity	p 378 A86-43437
Report of echocardiography p 399 N86-30314	p 219 N86-23238	ANTIOXIDANTS
The use of ECG changes caused by acceleration as tolerance predicition factors p 399 N86-30316	Obtaining hybridomas that synthesize monoclonal	The geroprotective activity of 2,6-dimethyl 3,5-diethoxycarbonyl 1,4-dihydropyridine
Sensitivity to color contrasts and the selection of	antibodies to polysaccharide of group a streptococcus p 219 N86-23240	p 49 A86-16783
navigator personnel p 400 N86-30318	Fab-fragment of heterologic immunoglobulin for flu	Antioxidants as antiarrhythmic remedies
ANTARCTIC REGIONS	prophylaxis and treatment p 219 N86-23241	p 246 A86-35938
Individual typological features of autonomic reactions	Production and characterization of antibodies to	ANTIRADIATION DRUGS  Mechanisms of the radiation protection effect and
during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748	benzo(a)pyrene [DE86-002204] p 222 N86-23271	indication of the efficiency of radioprotectors Russian
Adaptation of man to extreme conditions of Antarctica	Identification of vaccine resistant isolates of bacillus	book p 207 A86-31375
p 13 N86-10751	anthracis	Studies of radioprotective properties of adeturon and
Health and performance of antarctic winter-over	[AD-A162002] p 212 N86-24187	polyanion, applied separately and in combination
personnel: A follow-up study [AD-A161773] p 182 N86-22109	Fiberoptics immunofluorescence spectroscopy for	p 208 A86-32699 Cyclic adenosine-3',5'-monophosphate and cyclic
Psychological selection of personnel for employment in	chemical and biological monitoring [DE86-002239] p 225 N86-24209	guanosine-3',5'-monophosphate in the blood plasma of
the Antartic	Magnetic separation device	mice injected with chemicals of different radioprotective
[DRIC-T-7449] p 235 N86-23278	[AD-D012163] p 249 N86-25975	efficiency p 276 A86-39718
Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26897	Macrophage structure and function	Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904
ANTENNAS p 307 1400-20097	[AD-A163314] p 276 N86-26793 ANTICHOLINERGICS	ANTISEPTICS
Aspects of operator interface design for an automatic	Thermoregulation after atropine and pralidoxime	Evaluation of water sterilizing tablets
tracking antenna controller p 43 A86-13223	administration	[AD-A165806] p 385 N86-28622
ANTHROPOLOGY A collation of United States Air Force anthropometry	[AD-A165868] p 397 N86-30304	ANTISERUMS  Description of propagation of capacitar antican isolated
[AD-A168485] p 443 N86-33019	ANTICOAGULANTS Changes in the blood coegulation system of rabbits	Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242
ANTHROPOMETRY	Changes in the blood coagulation system of rabbits under conditions of acute hypoxia and some methods of	Production and characterization of antibodies to
Could anthropometric dummy data be used to predict	its correction p 414 A86-49368	benzo(a)pyrene
injury to humans? p 97 A86-19338	ANTIDOTES	[DE86-002204] p 222 N86-23271
The state of the art of anthropomorphic manikins and requirements for the evaluation of advanced aircraft	Development of vaccines to the mycotoxin T-2 [AD-A158544] p 63 N86-14877	ANXIETY Test anxiety in the simulator environment
ejection systems p 98 A86-19345	[AD-A158544] p 63 N86-14877 ANTIEMETICS AND ANTINAUSEANTS	p 231 A86-29910
Development of an automated anthropometric data	Antiemetic drugs and pilot performance	Effect of threat stress on psychomotor stability of pilots
measurement system (AADMS) p 144 A86-23748	[AD-A162109] p 224 N86-24200	differing in anxiety level p 72 N86-15869

APPENDAGES

Mode of neural control mediating rat tail vasodilation during heating p 28 A86-16055 APPLICATIONS PROGRAMS (COMPUTERS)

Representation for closed form significance testing in p 408 N86-31219 A discrete control model of PLANT

p 408 N86-31220

Making the human-machine interface responsive to many classes of users [DE86-003453]

p 409 N86-31222 APPROACH

Levels of helicopter control force inputs during in-flight emergency conditions as a function of aviator experience p 236 A86-29852

APPROACH CONTROL

A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U]

p 292 N86-26835 Closed-loop, pilot/vehicle analysis of the approach and p 442 N86-33013 APTITUDE

Task parameters affecting individual differences in pursuit and compensatory tracking performance

p 95 A86-20972 Characterization of good teleoperators - What aptitudes. interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Extended analysis of the structure of error scores in psychological aptitude tests

[DFVLR-FB-85-20] p 20 N86-10780 Theory-based cognitive assessment

[AD-A164083] p 266 N86-25991 Components of spatial ability [AD-A165694]

p 382 N86-28616 Human factors research in aircrew performance and training

[AD-A167740] p 427 N86-32967 **AQUATIC PLANTS** 

US Department of Agriculture/Corps of Engineers cooperative aquatic plant control research. Annual report for FY 1983; chemical control technology

[AD-A161867] p 212 N86-24184 AQUEOUS SOLUTIONS

Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003

Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei

p 77 A86-17740 Method for improving product yields in an anionic metalloporphyrin-based artificial photosynthesis s [DE85-017723] p 85 N86-17978 AQUICULTURE

Electrochemical control of pH in a hydroponic nutrient olution p 150 N86-19918 solution

ARCHITECTURE

**Problems** of city planning meteorological parameters p 169 N86-21049 Neurophysiological research supporting investigation of adaptive network architectures [AD-A166074] p 405 N86-31216

ARCHITECTURE (COMPUTERS)

The Scientific Workstation Evaluation Project: Multidisciplinary experience with a scientific workstation [ANL-84-100] p 74 N86-14896 Stanford Hardware Development Program

p 309 N86-26910 Novel architectures for image processing based on computer simulation and psychophysical studies of human

[AD-A166222] p 404 N86-30333 ARCTIC REGIONS

Low temperature inflator apparatus

[AD-D011810] p 45 N86-12974

Can plants grow in quasi-vacuum?

p 152 N86-19931

Effect of inclusion of supplementary ascorbic acid in daily diet on degree of vitamin saturation of body and thermoresistance of erythrocytes while working in arid p 13 N86-10749

ARMED FORCES (UNITED STATES)

Conserving instructional training resources through use of the personalized system of instruction

p 129 A86-23719 Al applications to military pilot decision aiding - A perspective on transition

[SAE PAPER 841533] D 146 A86-26004 Energy expenditure and activity patterns of cadets at the United States Military Academy, West Point, New

[AD-A157857] p 38 N86-12960

The helicopter to fixed wing conversion program: A [AD-A156820] D 42 N86-12968

Comparison of the Air Force female and male pilot grounded time in the Air Force Military Airlift Command [AD-A158093] n 68 N86-15002

The influence of quality circles on attitudinal outcomes mong civil engineering personnel

[AD-A161152] p 136 N86-19905 Health and performance of antarctic winter-over personnel: A follow-up study [AD-A161773] p 182 N86-22109

Changes in fitness and shipboard task performance following circuit weight training programs featuring continuous or interval running [AD-A163110]

p 225 N86-24206 Changes in Naval Aviation Basic Instrument flight training: An analysis

[AD-A164738] p 291 N86-26830 Demographic and anthropometric assessment of US Army anthropometric data base

[AD-A164637] n 295 N86-26838 US Air Force combat psychiatry [AD-A165011] D 292 N86-27921

A collation of United States Air Force anthropometry [AD-A168485] p 443 N86-33019 ARRAYS

The first cortical implant of a semiconductor multielectrode array. VER (Visual Evoked Responses) and propagation analysis [AD-A164015] p 248 N86-25972

ARRHYTHMIA

Mitral valve prolapse in a young person - An estimation of the risk of arrhythmia - The impact on the flight fitness p 113 A86-24510

Antioxidants as antiarrhythmic remedies p 246 A86-35938 An automated system for ST segment and arrhythmia

analysis in exercise radionuclide ventriculography p 377 A86-41400 Experimental arrhythmia and its prevention

p 174 N86-21129

ARTEMIA

Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays

D 373 A86-41787 ARTERIES

Blood circulation changes in the carotid arteries pool by antiorthostasis and CRUSAN antiorthostatic p 27 A86-15513 hypokinesia Quantitative evaluation of human arterial baroreceptor

[IAF PAPER 85-317] p 36 A86-15827 Correlation between the arterial blood pressure, the pulmonary artery pressure, and central venous pressure

p 90 A86-22542 Fluid dynamic study in a femoral artery branch casting of man with upstream main lumen curvature for steady p 397 A86-45254 Intrinsic alteration of the reactive properties of arteries

during hypothermia (AD-A1665231 p 402 N86-31213

ARTERIOSCLEROSIS

Possible effect of hyperlipemia on the development and course of atherosclerosis in flight personnel

aser ablation of human atherosclerotic plaque without adjacent tissue injury p 91 A86-22711 Measurement and prediction of flow through a replica segment of a mildly atherosclerotic coronary artery of

p 374 A86-43440 A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities

[AD-A159811] p 93 N86-17982 Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833
ARTIFICIAL GRAVITY

Basic results of experiments with long-term rotation of rats as applied to the problem of artificial gravity

p 56 N86-15878

ARTIFICIAL INTELLIGENCE

Modeling of perception p 183 A86-27094 Interaction between controlling, planning, and fault managing in complex man-machine systems

D 240 A86-33184 Expert computer aided decision in supervisory control

p 241 A86-33188 Evolutionary paths for artificial intelligence technologies in operator interactions with space station robots

p 269 A86-34971 Statistical pattern Diagnosing cognitive errors: S classification and recognition approach

[AD-A158108] p 42 N86-12972 Generating and generalizing models of visual objects [AD-A158197] D 43 N86-13894

Skill acquisition: Compilation of weak-method problem solutions

[AD-A1587251 p 70 N86-14888 Proceedings of the Air Force Conference on Technology in Training and Education (TITE)

AD-A1578291 Independent study of automation and robotics for the National Space Program by the Automation and Robotics

[NASA-CR-176523] Man-machine systems of the 1990 decade: Cognitive

factors and human interface issues [AD-A163865] p 273 N86-25123

Human factors in rule-based systems [AD-A165309] p 295 N86-26840 Pilot interaction with automated airborne decision

making systems [NASA-CR-177002] p 385 N86-29508

Space teleoperation research. American Nuclear Society Executive conference: Remote operations and robotics in the nuclear industry; remote maintenance in other hostile environments

[NASA-TM-89234] p 386 N86-29513 Evaluating space station applications of automation and

robotics technologies from a human productivity point of p 409 N86-31412

Use of artificial intelligence and psychology in the analysis of command and control ---

p 427 N86-32095 Artificial intelligence and the Rule Oriented System Simulation (ROSS) language --- military commanders

p 427 N86-32097 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985

ARTILLERY

Human factors engineering design criteria for future systems. Report number 3: Design criteria evolving from the Multiple Multiple Rocket System (MLRS) operational test 3

[AD-A158316] ASCENT

p 76 N86-15916

Physiological problems of ascent to altitude

p 376 A86-40566

ASCORBIC ACID METABOLISM

Effect of inclusion of supplementary ascorbic acid in daily diet on degree of vitamin saturation of body and thermoresistance of erythrocytes while working in 7000 p 13 N86-10749

**ASPARTATES** 

Response of rat hindlimb muscles to 12 hours recovery from tail-cast suspension p 198 A86-30426 ASPARTIC ACID

Multidisciplinary studies on excitatory amino acids as transmitters in the brain [AD-A164258]

p 256 N86-25115 ASSEMBLING

Principles of instruction for successful assembly and repair

[AD-A161280] p 180 N86-21142 ASSESSMENTS

Professional flightcrew human resource development Developing a Needs Assessment Programme

p 232 A86-29915 assessment - A Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods ---Subjective Workload Assessment Technique

p 259 Workload measurement in system design and evaluation p 267 A86-33787

Assessment of task proficiency in Air Force OJT --On-the-Job-Training p 260 A86-33806 Assessing the human performance envelope - A brief

[SAE PAPER 851776] p 263 A86-35428 Workload assessment - Progress during the last

[SAE PAPER 851877]

p 270 A86-35440 ASTHMA Weather and asthma symptoms

p 166 N86-21029 Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial D 167 N86-21036

ASTRODYNAMICS

Kinematics and reaction moment compensation for a spaceborne elbow manipulator [AIAA PAPER 86-02501 p 182 A86-26616

ASTRONAUT PERFORMANCE

Opening up the astronaut selection process

p 18 A86-10493 Ensuring Space Station human productivity
[IAF PAPER 85-500] p 45 p 45 A86-15944

Human roles in future space systems [AAS PAPER 84-117] p 73 A86-17320

Long-term adaptation of the otolith organs p 389 N86-29526

Morphology and development of the inner ear of nurans p 389 N86-29529

Anurans

	ATHOODIEDIO MODELO	District of the second of the
Health maintenance and human productivity in the Space Station Era	ATMOSPHERIC MODELS  Energy yields in the prebiotic synthesis of hydrogen	Biocybernetic analysis of a hybrid workload model [AD-A159033] p 63 N86-14880
[SAE PAPER 851312] p 110 A86-23503	cyanide and formaldehyde p 300 N86-26863	Simple and choice reaction time in a secondary task
The roles of astronauts and machines for future space operations	ATMOSPHERIC PRESSURE	under varied stimulus modality probabilities
[SAE PAPER 851332] p 137 A86-23521	Investigation of Eustachianal function in JASDF pilots by new apparatus. I - On the pressural regulation of the	[AD-A159698] p 135 N86-19896 Attention allocation, distraction, and the type A/Type
Catching zzzs in zero-G p 217 A86-31150	Eustachian tube in normal human p 32 A86-13941	B behavior pattern
Astronaut crew performance - Recent space experience	Reaction of rabbit respiration system to hypoxic stimulus	[AD-A160671] p 180 N86-21141
[SAE PAPER 851802] p 264 A86-35434	in nitrogen-oxygen medium at elevated pressure p 5 N86-10760	Division of attention as a function of the number of steps, visual shifts, and memory load
Designing the conditions of life and work of cosmonauts	Human hemodynamic change under high atmospheric	[NASA-TM-88775] p 404 N86-30328
(2nd revised and enlarged edition) — Russian book	pressure p 37 N86-12458	Attention tasks and their relation to aging and flight
p 290 A86-38984 Theoretical principles underlying the evaluation, control,	An environmentally-controlled extended-use small animal hypobaric chamber	experience [IZF-1986-4] p 405 N86-30337
and correction of the impact of emotions on cosmonaut	[AD-A166729] p 398 N86-30307	The effects of stress on attentional resources
activity p 403 A86-44601 ASTRONAUT TRAINING	ATMOSPHERIC SOUNDING	p 437 N86-32986
Training of cosmonauts and experience during space	Meteorological adaptation research at biology institute p 211 N86-23257	ATTENUATION  Methods of measuring the attenuation of hearing
flight p 263 A86-35286	ATMOSPHERIC TEMPERATURE	protection devices p 406 A86-45073
Designing the conditions of life and work of cosmonauts (2nd revised and enlarged edition) Russian book	Human bioclimatic classification methods illustrated with	Experimental evaluation of pathogenicity of different
p 290 A86-38984	examples of selected countries p 169 N86-21058 Effectiveness of an air-cooled vest using selected air	variants of lassa virus p 211 N86-23254 ATTITUDE (INCLINATION)
Cosmonaut training Russian book	temperature and humidity combinations	Hemodynamic responses to upright tilt at sea level and
p 293 A86-38988 First German Spacelab missions, no. 6	[AD-A162026] p 242 N86-24219 ATMOSPHERICS	high altitude
[PR-6] p 118 N86-18979	Meteorological adaptation research at biology institute	[AD-A163555] p 59 A86-18836 Investigation of factors determining pilot's geocentric
ASTRONAUTICS	p 158 N86-20890	orientation p 72 N86-15868
The human role in space: Technology, economics and optimization Book p 272 A86-37037	ATOMIC RECOMBINATION	Emergent techniques for assessment of visual
ASTRONAUTS	Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment	performance [PB86-144755] p 258 N86-25988
The skeleton in space p 10 A86-11833	[NASA-TM-87149] p 46 N86-13899	Distinctions in humoral control of metabolism with
A proposal for a longitudinal study to assess the hazards of radiation in space flight	ATOMIC STRUCTURE	simulation of spaceflight factors p 286 N86-27884 Some human reactions during 7-day antiorthostatic
[AD-A160801] p 117 N86-18975	Experimental, structural and theoretical models of bacteriochlorophylls a, d and a	hypokinesia p 286 N86-27885
ASTRONOMICAL CATALOGS	[DE86-001727] p 158 N86-21101	Long-term adaptation of the otolith organs
Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization	ATROPHY  Responded of ekoletel muscle to unleading. A various	p 389 N86-29526 ATTITUDE INDICATORS
p 309 N86-26908	Responses of skeletal muscle to unloading - A review p 192 A86-30379	Changes in Naval Aviation Basic Instrument flight
ASYMMETRY	Are there conditions in which adrenalectomy impedes	training: An analysis
Determination of vestibular asymmetry with application to aviation medicine p 31 A86-13299	the atrophying effects of denervation? p 194 A86-30397	[AD-A164738] p 291 N86-26830 AUDIO EQUIPMENT
Brain asymmetry in animals Russian book	Changes in muscle protein composition induced by	Improving intelligibility in audio distribution systems
p 50 A86-17467 ATELECTASIS	disuse atrophy - Analysis by two-dimensional	p 186 A86-28513
Influence of inspired oxygen concentration on	electrophoresis p 200 A86-30440  Muscle atrophy during space flight - Research needs	AUDIO FREQUENCIES  A differential evaluation of the mechanism of the effect
acceleration atelectasis	and opportunities p 255 A86-37077	of noise on the ear in relation to noise frequency
[AD-A168540] p 253 A86-36313 ATHLETES	Metabolism of amino acids by the atrophied soleus of	characteristics (Clinical and experimental study)
Indicators of external respiration in young athletes during	tail-casted, suspended rats p 374 A86-43442 Effects of muscle atrophy on motor control	p 10 A86-11750 Effects of speech rate and pitch contour on the
adaptation to high environmental temperature	[NASA-CR-177201] p 288 N86-27913	perception of synthetic speech p 234 A86-31824
p 9 A86-10699 ATMOSPHERIC CHEMISTRY	A possible role for endogenous glucocorticoids in	AUDIO SIGNALS
Photochemistry of methane and the formation of	orchiectomy-induced atrophy of the rat levator ani muscle: Studies with RU38486, a potent and selective	Design guidelines for the use of audio cues in computer interfaces
hydrocyanic acid (HCN) in the earth's early atmosphere	antiglucocorticoid	[DE85-015176] p 241 N86-23281
p 243 A86-30697 Paleosols and the chemical evolution of the	[NASA-CR-177029] p 411 N86-30343 Flow cytometry analysis of hormone receptors on human	AUDIOLOGY  A differential evaluation of the mechanism of the effect
atmosphere p 301 N86-26870	peripheral blood mononuclear cells to identify	of noise on the ear in relation to noise frequency
ATMOSPHERIC CIRCULATION  Temperature wind speed humidity (TWH): A	stress-induced neuroendocrine effects	characteristics (Clinical and experimental study)
	p 403 N86-31428	
biometeorological index testing p 166 N86-21028		p 10 A86-11750
biometeorological index testing p 166 N86-21028 ATMOSPHERIC COMPOSITION	ATROPINE  Comparison of the effects of atropine sulfate and ethanol	p 10 A86-11750 A survey of speech audiometry in the National Health Service
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of	ATROPINE  Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267
ATMOSPHERIC COMPOSITION	ATROPINE  Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267 AUDIOMETRY
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas	ATROPINE Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267 AUDIOMETRY A survey of speech audiometry in the National Health Service
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by	ATROPINE Comparison of the effects of atropine sulfate and ethanol on performance p. 232 A66-29923 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p. 6 N86-11832 Neurophysiological bases of event-related potentials	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267 AUDIOMETRY A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847	ATROPINE  Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials [AD-A158997] p 71 N86-14890	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267 AUDIOMETRY A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267 AUDITORY DEFECTS
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  The role of the oceans in the atmospheric cycle of	ATROPINE  Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide p 277 N86-26796	ATROPINE  Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency  [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials  [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment  [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Hysterical deafness - An unusual presentation of stress
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  p 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial	ATROPINE Comparison of the effects of atropine sulfate and ethanol on performance p. 232 A86-29923 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p. 6 N86-11832 Neurophysiological bases of event-related potentials [AD-A158997] p. 71 N86-14890 Environmental stress after atropine treatment [AD-A161923] p. 223 N86-24197 Effects of atropine sulfate on aircrew performance [AD-A165063] p. 290 N86-27919	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  p 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  p 299 N86-26858	ATROPINE  Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency  [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials  [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment  [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance  [AD-A165063] p 290 N86-27919  Cardiac reserve during weightlessness simulation and shuttle flight	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  p 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial	ATROPINE Comparison of the effects of atropine sulfate and ethanol on performance p. 232 A86-29923 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p. 6 N86-11832 Neurophysiological bases of event-related potentials [AD-A158997] p. 71 N86-14890 Environmental stress after atropine treatment [AD-A161923] p. 223 N86-24197 Effects of atropine sulfate on aircrew performance [AD-A165063] p. 290 N86-27919 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p. 380 N86-29497	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-33760
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  P 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  P 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  P 299 N86-26858  Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments  P 304 N86-26883	ATROPINE  Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency  [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials  [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment  [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance  [AD-A165063] p 290 N86-27919  Cardiac reserve during weightlessness simulation and shuttle flight	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  p 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  p 299 N86-26858  Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments  p 304 N86-26883  Microbial contributions to the Precambrian Earth	ATROPINE Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Neurophysiological bases of event-related potentials [AD-A158997] p 71 N86-14890 Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197 Effects of atropine sulfate on aircrew performance [AD-A165083] p 290 N86-27919 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497 ATTACK AIRCRAFT Protective respirator for the AAH-64 Advanced Attack Helicopter p 97 A86-19336	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-33760  Practical application of basic research on impulse noise hazard [AD-A160432] p 115 N86-18964
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  P 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  P 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  P 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  P 299 N86-26858  Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments  P 304 N86-26883  Microbial contributions to the Precambrian Earth  P 307 N86-26899  Intensity of photosynthesis in closteriopsis acicular var.	ATROPINE  Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance [AD-A165063] p 290 N86-27919  Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  ATTACK AIRCRAFT  Protective respirator for the AAH-64 Advanced Attack	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-3760  Practical application of basic research on impulse noise hazard [AD-A160432] p 115 N86-18964  Some nonoccupational aspects of sensorineural loss
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  p 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  p 299 N86-26858  Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments  p 304 N86-26893  Microbial contributions to the Precambrian Earth  p 307 N86-26899  Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in	Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance [AD-A165083] p 290 N86-27919  Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  ATTACK AIRCRAFT  Protective respirator for the AAH-64 Advanced Attack Helicopter p 97 A86-19336  Advanced fighter technology integration (AFTI) F-16 - The pilot interface [SAE PAPER 841633] p 146 A86-26018	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-33760  Practical application of basic research on impulse noise hazard [AD-A160432] p 115 N86-18964
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  P 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  P 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  P 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  P 299 N86-26858  Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments  P 304 N86-26883  Microbial contributions to the Precambrian Earth  P 307 N86-26899  Intensity of photosynthesis in closteriopsis acicular var.	Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency  [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials  [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment  [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance  [AD-A165063] p 290 N86-27919  Cardiac reserve during weightlessness simulation and shuttle flight  [NASA-CR-177085] p 380 N86-29497  ATTACK AIRCRAFT  Protective respirator for the AAH-64 Advanced Attack Helicopter  Advanced fighter technology integration (AFTI) F-16 - The pilot interface  [SAE PAPER 841633] p 146 A86-26018  ATTENTION	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651 Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098 Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-33760 Practical application of basic research on impulse noise hazard [AD-A160432] p 115 N86-18964 Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study [AD-160799] p 117 N86-18974
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  p 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  p 299 N86-26858  Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments  p 304 N86-26893  Microbial contributions to the Precambrian Earth  p 307 N86-26899  Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in the atmosphere  p 280 N86-27903  ATMOSPHERIC EFFECTS  What in human biometeorology can contribute to	Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance [AD-A165083] p 290 N86-27919  Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  ATTACK AIRCRAFT  Protective respirator for the AAH-64 Advanced Attack Helicopter p 97 A86-19336  Advanced fighter technology integration (AFTI) F-16 - The pilot interface [SAE PAPER 841633] p 146 A86-26018	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651 Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-33760  Practical application of basic research on impulse noise hazard [AD-A160432] p 115 N86-18964  Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study [AD-A160799] p 117 N86-18974  AUDITORY PERCEPTION  A study of the psychophysical measurement on
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  p 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  p 299 N86-26858  Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments  p 304 N86-26883  Microbial contributions to the Precambrian Earth  p 307 N86-26899  Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in the atmosphere  p 280 N86-27903  ATMOSPHERIC EFFECTS  What in human biometeorology can contribute to assessment of the effects of hazardous substances on	Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency  [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials  [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment  [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance  [AD-A165063] p 290 N86-27919  Cardiac reserve during weightlessness simulation and shuttle flight  [NASA-CR-177085] p 380 N86-29497  ATTACK AIRCRAFT  Protective respirator for the AAH-64 Advanced Attack Helicopter  Advanced fighter technology integration (AFTI) F-16 - The pilot interface  [SAE PAPER 841633] p 146 A86-26018  ATTENTION  Can pilots time-share better than non-pilots?  p 238 A86-29874  Automatic and controlled processing approach to	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651 Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098 Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-33760 Practical application of basic research on impulse noise hazard [AD-A160432] p 115 N86-18964 Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study [AD-160799] p 117 N86-18974
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  P 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  P 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  P 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  P 299 N86-26858  Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments  P 304 N86-26883  Microbial contributions to the Precambrian Earth  P 307 N86-26899  Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in the atmosphere  P 280 N86-27903  ATMOSPHERIC EFFECTS  What in human biometeorology can contribute to assessment of the effects of hazardous substances on health?  ATMOSPHERIC ELECTRICITY	ATROPINE  Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance [AD-A165063] p 290 N86-27919  Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  ATTACK AIRCRAFT  Protective respirator for the AAH-64 Advanced Attack Helicopter p 97 A86-19336  Advanced fighter technology integration (AFTI) F-16 - The pilot interface [SAE PAPER 841633] p 146 A86-26018  ATTENTION  Can pilots time-share better than non-pilots?  p 238 A86-29874  Automatic and controlled processing approach to interpreting vigilance performance p 259 A86-33777	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651 Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A88-29098  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A88-33760  Practical application of basic research on impulse noise hazard [AD-A160432] p 115 N86-18964  Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study [AD-A160799] p 117 N86-18974  AUDITORY PERCEPTION  A study of the psychophysical measurement on fluctuating sound by a stochastic approximation method  p 41 A86-14575  Some nonoccupational aspects of sensorineural loss
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  p 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  p 299 N86-26898  Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments  p 304 N86-26883  Microbial contributions to the Precambrian Earth  p 307 N86-26899  Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in the atmosphere  p 280 N86-27903  ATMOSPHERIC EFFECTS  What in human biometeorology can contribute to assessment of the effects of hazardous substances on health?  p 168 N86-21043  ATMOSPHERIC ELECTRICITY  Investigations of the possible influence of air electrical	Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency  [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials  [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment  [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance  [AD-A165063] p 290 N86-27919  Cardiac reserve during weightlessness simulation and shuttle flight  [NSA-CR-177085] p 380 N86-29497  ATTACK AIRCRAFT  Protective respirator for the AAH-64 Advanced Attack Helicopter  Advanced fighter technology integration (AFTI) F-16 - The pilot interface  [SAE PAPER 841633] p 146 A86-26018  ATTENTION  Can pilots time-share better than non-pilots?  p 238 A86-29874  Automatic and controlled processing approach to interpreting vigilance performance p 259 A86-33777  The use of signal detection theory in research on human-computer interaction p 266 A86-33779	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-33760  Practical application of basic research on impulse noise hazard [AD-A160432] p 115 N86-18964  Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study [AD-A160799]  AUDITORY PERCEPTION  A study of the psychophysical measurement on fluctuating sound by a stochastic approximation method p 41 A86-14575  Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  P 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  P 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments  P 304 N86-26883  Microbial contributions to the Precambrian Earth  P 307 N86-26899  Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in the atmosphere  ATMOSPHERIC EFFECTS  What in human biometeorology can contribute to assessment of the effects of hazardous substances on health?  ATMOSPHERIC ELECTRICITY  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated	ATROPINE  Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance [AD-A165063] p 220 N86-27919  Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  ATTACK AIRCRAFT  Protective respirator for the AAH-64 Advanced Attack Helicopter p 97 A86-19336  Advanced fighter technology integration (AFTI) F-16 - The pilot interface [SAE PAPER 841633] p 146 A86-26018  ATTENTION  Can pilots time-share better than non-pilots?  p 238 A86-29874  Automatic and controlled processing approach to interpreting vigilance performance p 259 A86-33777  The use of signal detection theory in research on human-computer interaction p 266 A86-33779  The psychophysics of workload - A second look at the	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-33760  Practical application of basic research on impulse noise hazard  [AD-A160432] p 115 N86-18964  Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study p 117 N86-18974  AUDITORY PERCEPTION  A study of the psychophysical measurement on fluctuating sound by a stochastic approximation method p 41 A86-14575  Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study [AD-A160799] p 117 N86-18974
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  p 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  p 299 N86-26858  Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments  p 304 N86-26883  Microbial contributions to the Precambrian Earth  p 307 N86-26899  Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in the atmosphere  p 280 N86-27903  ATMOSPHERIC EFFECTS  What in human biometeorology can contribute to assessment of the effects of hazardous substances on health?  ATMOSPHERIC ELECTRICITY  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients  ATMOSPHERIC HEAT BUDGET	Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance [AD-A165063] p 290 N86-27919  Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  ATTACK AIRCRAFT  Protective respirator for the AAH-64 Advanced Attack Helicopter p 97 A86-19336  Advanced fighter technology integration (AFTI) F-16 - The pilot interface [SAE PAPER 841633] p 146 A86-26018  ATTENTION  Can pilots time-share better than non-pilots?  p 238 A86-29874  Automatic and controlled processing approach to interpreting vigilance performance p 259 A86-33777  The use of signal detection theory in research on human-computer interaction p 266 A86-33779  The psychophysics of workload - A second look at the relationship between subjective measures and	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651 Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-33760  Practical application of basic research on impulse noise hazard [AD-A160432] p 115 N86-18964  Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study (AD-A160799] p 117 N86-18974  AUDITORY PERCEPTION  A study of the psychophysical measurement on fluctuating sound by a stochastic approximation method p 41 A86-14575  Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study (AD-A160799) p 117 N86-18974  Attention within auditory word perception [AD-A162550] p 182 N86-22111
ATMOSPHERIC COMPOSITION  The state of man's organism under conditions of elevated atmospheric carbon dioxide  P 163 A86-29306  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  P 54 N86-14847  The role of the oceans in the atmospheric cycle of carbonyl sulfide  P 277 N86-26796  Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial bodies  P 299 N86-26858  Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments  P 304 N86-26883  Microbial contributions to the Precambrian Earth  P 307 N86-26899  Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in the atmosphere  P 280 N86-27903  ATMOSPHERIC EFFECTS  What in human biometeorology can contribute to assessment of the effects of hazardous substances on health?  ATMOSPHERIC ELECTRICITY  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients  P 167 N86-21033	Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Neurophysiological bases of event-related potentials [AD-A158997] p 71 N86-14890  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197  Effects of atropine sulfate on aircrew performance [AD-A165063] p 290 N86-27919  Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  ATTACK AIRCRAFT  Protective respirator for the AAH-64 Advanced Attack Helicopter p 97 A86-19336  Advanced fighter technology integration (AFTI) F-16 - The pilot interface [SAE PAPER 841633] p 146 A86-26018  ATTENTION  Can pilots time-share better than non-pilots?  p 238 A86-29874  Automatic and controlled processing approach to interpreting vigilance performance p 259 A86-33777  The use of signal detection theory in research on human-computer interaction p 266 A86-33779  The psychophysics of workload - A second look at the relationship between subjective measures and	A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDIOMETRY  A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267  AUDITORY DEFECTS  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-3760  Practical application of basic research on impulse noise hazard [AD-A160432] p 115 N86-18964  Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study [AD-A160799] p 117 N86-18974  AUDITORY PERCEPTION  A study of the psychophysical measurement on fluctuating sound by a stochastic approximation method p 41 A86-14575  Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study [AD-A160799] p 117 N86-18974  Attention within auditory word perception

ATMOSPHERIC HEATING

The viability with respect to temperature, of micro-organisms incident on the earth's atmosphere p 410 A86-44358

attention p 262 A00-3002 i
Eye and head response to an attention cue in a dual task paradigm p 262 A86-33827
Enhanced detection in the aperture of focal attention during simple discrimination tasks p 403 A86-45955

Speech analysis based on a model of the auditory	Preparing for the unexpected - A psychologist's case	Relative contributions of SWAT dimensions to overall
system [AD-A167426] p 427 N86-32098	for improved training p 132 A86-26033	subjective workload ratings Subjective Workload
AUDITORY SIGNALS	Theoretical and experimental analysis of pilot failure detection behavior during various automatic approach	Assessment Technique p 238 A86-29876
Auditory signals in military aircraft - Ergonomic principles	conditions	Subjective assessment of pilot workload in the advanced fighter cockpit p 238 A86-29878
versus practice p 185 A86-28442	[NLR-MP-83025-U] p 72 N86-14895 AUTOMATIC TEST EQUIPMENT	In search of a time-sharing ability in zero input tracking
Interactive activation models of perception and comprehension	Automated Portable Test System (APTS) - A	analyzer scores of pilot psychomotor performance
[AD-A161362] p 181 N86-21143	performance envelope assessment tool	p 227 A86-29882
AUDITORY STIMULI	[SAE PAPER 851775] p 263 A86-35427 AUTOMATION	Reliability of military pilots - Problems and prospects p 227 A86-29884
Responses of cat red-nucleus neurons to auditory signals p 52 A86-18181	Computer tools and techniques for analysis of discrete	A review of critical in-flight events research
signals p 52 A86-18181  Event-related brain potentials and intermodal divided	data from aircrew automated escape systems (AAES)	methodology p 228 A86-29886
attention p 262 A86-33821	p 96 A86-19302	Judgment training effectiveness and permanency
The effects of bimodal presentation of stimuli and noise	Cognitive attributes to guide display design in automated command-and-control systems p 142 A86-23723	p 228 A86-29888 The attitude and information components of the risk
on target detection [AD-A160122] p 134 N86-18981	Cockpit automation technology p 142 A86-23724	assessment-judgement process of aircraft pilots
[AD-A160122] p 134 N86-18981 Neurophysiological research supporting the	Cognitive network organization and cockpit automation	p 229 A86-29892
investigation of adaptive network architectures	p 237 A86-29858 Coping with automation - An airline view	'Captain I was trying to bring up the fact that you made
[AD-A166074] p 405 N86-31216	p 238 A86-29873	a mistake earlier' - Deference and demeanor at 30,000 feet p 229 A86-29894
Auditory versus visual selective-attention tasks [IZF-1985-19] p 427 N86-32100	Impact of automation on Space Station MMI design Man-Machine Interface	An analysis of the dearth of assertiveness by subordinate
Hesitation in tracking induced by a concurrent manual	[AIAA PAPER 86-2316] p 407 A86-46944	crewmembers p 229 A86-29897
task p 439 N86-32995	Advanced operator/system interface concepts for the	Cockpit resource management - Exploring the attitude-performance linkage p 229 A86-29899
AUDITORY TASKS  Effect of workload on the auditory evoked brainstern	Space Station [AIAA PAPER 86-2317] p 407 A86-46945	attitude-performance linkage p 229 A86-29899 Formula for a better understanding of pilot
response p 128 A86-23705	[AIAA PAPER 86-2317] p 407 A86-46945 Alerted monitors: Human operators aided by automated	performance p 230 A86-29900
The effect of using speech generation and recognition	detectors	The effects of preview period on descent detection
systems on the performance of discrete tasks	[PB85-222750] p 47 N86-13906	p 230 A86-29902
p 227 A86-29863 Auditory versus visual selective-attention tasks	Cockpit automation requirements derived from mission functions data p 293 N86-26318	Perception of altitude in the low and medium altitude ranges p 231 A86-29907
[IZF-1985-19] p 427 N86-32100	AUTOMOBILE ACCIDENTS	An exploratory study of computer-based aviator
AUSTRALIA Microbial mate and modern atramatelites in Shadi Bau	Meteorotropic determinants of road collisions and accidents	testing p 231 A86-29909
Microbial mats and modern stromatolites in Shark Bay, Western Australia p 51 A86-18027	accidents p 165 N86-21022 AUTOMOBILES	Test anxiety in the simulator environment
AUSTRIA	Studies on human vehicle control	p 231 A86-29910 Student pilot stress - An emotional barrier to efficient
The Austrian biometeorological service	[B8563352] p 19 N86-10775	flight training p 231 A86-29912
p 167 N86-21034 AUTOKINESIS	Car driving as a supervisory control task [B8563351] p 19 N86-10776	A control theory model of aviator behavior
The influence of preview period and global optical flow	Path error-neglection in straight lane driving	p 232 A86-29913
rate on sensitivity to loss in speed of self motion	[IZF-1984-32] p 20 N86-10783	A preliminary study - A multivariate analysis of attitudinal characteristics of flight instructors p 232 A86-29914
p 230 A86-29901 AUTOMATED EN ROUTE ATC	Driving performance the day after use of loprazolam, flunitrazepem and placebo	Psychological recovery after incidents and accidents
Potential controller error modes in Automated En Route	[VK-83-04] p 290 N86-26826	within aviation p 232 A86-29924
ATC (AERA) p 238 A86-29871 AUTOMATED PILOT ADVISORY SYSTEM	The effects of the antidepressants oxaprotiline,	The role of the flight psychologist in the RNLAF in A/C
Situation versus command flight information for	mianserin, amitryptiline and doxepin upon actual driving performance	accident investigation and prevention p 233 A86-29926
pilots	[VK-83-05] p 290 N86-26827	'The causes of causes' - Determinants and background
[SAE PAPER 841638] p 147 A86-26023 AUTOMATIC CONTROL	Flurazepam HCL's residual (hangover) effects upon	variables of human factor incidents and accidents
	actual driving performance	- 000 400 0000
	actual driving performance [VK-83-02] p 291 N86-26834	p 233 A86-29930
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223	[VK-83-02] p 291 N86-26834 AUTONOMIC NERVOUS SYSTEM	p 233 A86-29930 The interfering effects of processing code on visual memory p 259 A86-33782
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223  An expert systems approach to automated fault	[VK-83-02] p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions	The interfering effects of processing code on visual memory p 259 A86-33782 Assessing subjective workload assessment - A
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem	[VK-83-02] p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in	The interfering effects of processing code on visual memory p 259 A86-33782 Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223  An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811  Flight deck automation decisions	[VK-83-02] p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM  Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748  General automatic components of motion sickness	The interfering effects of processing code on visual memory p 259 A86-33782 Assessing subjective workload assessment - A
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002	(VK-83-02) p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005	[VK-83-02] p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM  Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748  General automatic components of motion sickness	The interfering effects of processing code on visual memory p 259 A86-33782 Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods — Subjective Workload Assessment Technique p 259 A86-33783 Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985,
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book	(VK-83-02) p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book	[VK-83-02] p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748  General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886  Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107  Cardiac reserve during weightlessness simulation and	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings  [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book	(VK-83-02) p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods — Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings  [SAE P-168] p 269 A86-35426  The stress syndrome — effects on pilot performance p 290 A86-37276
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825	[VK-83-02] p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748  General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886  Stimulus specificity and individual stereotypy of autonomic responses to motion stressors  [NASA-CR-176543] p 171 N86-21107  Cardiac reserve during weightlessness simulation and shuttle flight  [NASA-CR-177085] p 380 N86-29497  AUTOPSIES	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings  [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-3825 Cockpit automation - Design and implementation	[VK-83-02] p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748  General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886  Stimulus specificity and individual stereotypy of autonomic responses to motion stressors  [NASA-CR-176543] p 171 N86-21107  Cardiac reserve during weightlessness simulation and shuttle flight  [NASA-CR-177085] p 380 N86-29497  AUTOPSIES  A comparison of postmortem coronary atherosclerosis	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods — Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings  [SAE P-168] p 269 A86-35426  The stress syndrome — effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431	[VK-83-02] p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-188] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276 Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy	(VK-83-02) p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions	The interfering effects of processing code on visual memory p 259 A86-33782 Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783 Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-168] p 269 A86-35426 The stress syndrome effects on pilot performance p 290 A86-37276 Review of book on principles of aviation psychology p 235 N86-23261 The healthy motivation to fty: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 AVIONICS
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454	(VK-83-02) p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-188] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy	(VK-83-02) p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092  AUTORADIOGRAPHY	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439 Pilot vehicle interfaces with smart avionics systems
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventricuolography	(VK-83-02)  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092  AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic,	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-188] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography	(VK-83-02) p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092  AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings  [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fty: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439 Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography p 377 A86-41400 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552	(VK-83-02) p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092  AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings  [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control - Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weatther tactical operations p 293 N86-26319  AVOIDANCE
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology	(VK-83-02) p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092  AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] AUTOTROPHS Autotrophic and mixotrophic growth and metabolism of	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fity: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319  AVIONANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography p 377 A86-41400 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology in Training and Education (TITE)	(VK-83-02) p 291 N86-26834  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092  AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867  AUTOTROPHS Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings  [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fty: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control - Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319  AVOIDANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-003748] p 310 N86-27923
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography p 377 A86-41400 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology in Training and Education (TITE) [AD-A157829] p 95 N86-16897 Proceedings of the Item Response Theory and	(VK-83-02)  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497 AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867 AUTOROPHS Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 AVIATION PSYCHOLOGY	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-335432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319  AVOIDANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-003748] p 310 N86-27923  Effects of 60 Hz electric fields on operant and social
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography p 377 A86-41400 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology in Training and Education (TITE) [AD-A157829] p 95 N86-16897 Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference 3	(VK-83-02)  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092  AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867  AUTOTROPHS Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria  AVIATION PSYCHOLOGY The decision to fly — by aircraft pilots	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings  [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fty: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control - Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319  AVOIDANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-003748] p 310 N86-27923  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-005067] p 390 N86-29533
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography p 377 A86-41400 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology in Training and Education (TITE) [AD-A157829] p 5 N86-16897 Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference 3 [AD-A163040] Baseline experiments in teleoperator control	(VK-83-02)  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497 AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867 AUTOROPHS Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 AVIATION PSYCHOLOGY	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-188] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319  AVOIDANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-003748] p 310 N86-27923  Effects of 60 Hz electric fields on operant and social stress behavior of nonhuman primates [DE86-005067] p 390 N86-29533  AXES OF ROTATION
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841477] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology in Training and Education (TITE) [AD-A157829] p 95 N86-16897 Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference 3 [AD-A163040] p 265 N86-25990 Baseline experiments in teleoperator control [NASA-TP-2547] p 294 N86-26836	(VK-83-02)  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 M86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497 AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867 AUTOTROPHS Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria AVIATION PSYCHOLOGY The decision to fly by aircraft pilots [SAE PAPER 841613] p 132 A86-26024 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings  [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fty: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control - Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319  AVOIDANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-003748] p 310 N86-27923  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-005067] p 390 N86-29533
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography p 377 A86-41400 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology in Training and Education (TITE) [AD-A157829] p 95 N86-16897 Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference 3 [AD-A163040] p 265 N86-25990 Baseline experiments in teleoperator control [NASA-TP-2547] Evaluating space station applications of automation and	(VK-83-02)  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497 AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867 AUTOTROPHS Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 AVIATION PSYCHOLOGY The decision to fly — by aircraft pilots [SAE PAPER 841613] p 132 A86-26024 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Effects of physiological and mental stress on crew	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319  AVOIDANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-003748] p 310 N86-27923  Effects of 60 Hz electric fields on operant and social stress behavior of nonhuman primates [DE86-005067] p 390 N86-29533  AXES OF ROTATION  An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition system
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology in Training and Education (TITE) [AD-A157829] p 95 N86-16897 Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference 3 [AD-A163040] p 265 N86-25990 Baseline experiments in teleoperator control [NASA-TP-2547] p 294 N86-26836 Evaluating space station applications of automation and robotics technologies from a human productivity point of view	(VK-83-02)  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 M86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092  AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867  AUTOTROPHS Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria  AVIATION PSYCHOLOGY The decision to fly by aircraft pilots [SAE PAPER 841613] p 132 A86-26024 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Effects of physiological and mental stress on crew members in relatively long flight by C-1 jet transport aircraft	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings  [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26332  AVIONICS  Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319  AVIOINANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates  [DE86-003748] p 310 N86-27923  Effects of 60 Hz electric fields on operant and social stress behavior of nonhuman primates  [DE86-005067] AXES OF ROTATION  An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition system  [AD-A164099] p 257 N86-25981
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography	(VK-83-02)  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stirmulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497 AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867 AUTOTROPHS Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 AVIATION PSYCHOLOGY The decision to fly — by aircraft pilots [SAE PAPER 841613] p 132 A86-26024 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Effects of physiological and mental stress on crew members in relatively long flight by C-1 jet transport aircraft	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  AVIODANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-003748] p 310 N86-27923  Effects of 60 Hz electric fields on operant and social stress behavior of nonhuman primates [DE86-00376] p 390 N86-29533  AXES OF ROTATION  An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition system [AD-A164099] p 257 N86-25981  Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclid ventriculography p 377 A86-41400 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology in Training and Education (TITE) [AD-A157829] p 95 N86-16897 Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference 3 [AD-A163040] p 265 N86-25990 Baseline experiments in teleoperator control [NASA-TP-2547] p 9294 N86-26836 Evaluating space station applications of automation and robotics technologies from a human productivity point of view AUTOMATIC FLIGHT CONTROL	(VK-83-02)  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497 AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867 AUTOROPHS Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 AVIATION PSYCHOLOGY The decision to fly — by aircraft pilots [SAE PAPER 841613] p 132 A86-26024 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Effects of physiological and mental stress on crew members in relatively long flight by C-1 jet transport aircraft p 161 A86-28100 Symposium on Aviation Psychology, 3rd, Columbus, OH, April 22-25, 1985, Proceedings p 226 A86-29851	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings  [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fity: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319  AVIOIDANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates  [DE86-003748] p 310 N86-27923  AVES OF ROTATION  An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition system  [AD-A164099] p 257 N86-25981  Shoulder and hip joint for hard space suits  [NASA-CASE-ARC-11543-1] p 384 N86-28620
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography D 377 A86-41400 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology in Training and Education (TITE) [AD-A157829] p 95 N86-16897 Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference 3 [AD-A163040] p 265 N86-25990 Baseline experiments in teleoperator control [NASA-TP-2547] Evaluating space station applications of automation and robotics technologies from a human productivity point of view  AUTOMATIC FLIGHT CONTROL Pilots of the future - Human or computer?	(VK-83-02)  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497 AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867 AUTOTROPHS Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 AVIATION PSYCHOLOGY The decision to fly — by aircraft pilots [SAE PAPER 841613] p 132 A86-26024 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Effects of physiological and mental stress on crew members in relatively long flight by C-1 jet transport aircraft Symposium on Aviation Psychology, 3rd, Columbus, OH, April 22-25, 1985, Proceedings p 237 A86-29858	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-168] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control - Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319  AVOIDANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-003748] p 310 N86-27923  Effects of 60 Hz electric fields on operant and social stress behavior of nonhuman primates [DE86-005067]  AXES OF ROTATION  An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition system  [AD-A164099] p 257 N86-25981  Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620  AXIAL STRAIN  Head-spine structure modeling: Enhancements to
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography p 377 A86-41400 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology in Training and Education (TITE) [AD-A157829] p 95 N86-16897 Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference 3 [AD-A163040] p 265 N86-25990 Baseline experiments in teleoperator control [NASA-TP-2547] p 940 N86-26836 Evaluating space station applications of automation and robotics technologies from a human productivity point of view AUTOMATIC FLIGHT CONTROL Pilots of the future - Human or computer? p 74 A86-18541 Winging it in the 1980's - Why guidelines are needed for cockpit automation	AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10784 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497 AUTOPSIES  A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 AUTORADIOGRAPHY  Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867 AUTOTROPHS  Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 AVIATION PSYCHOLOGY  The decision to fly — by aircraft pilots [SAE PAPER 841613] p 132 A86-26024 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26034 Effects of physiological and mental stress on crew members in relatively long flight by C-1 jet transport aircraft p 161 A86-28100 Symposium on Aviation Psychology, 3rd, Columbus, OH, April 22-25, 1985, Proceedings p 226 A86-29851 Cognitive network organization and cockpit automation p 237 A86-29858 Pitch change thresholds as influenced by angular rate	The interfering effects of processing code on visual memory p 259 A86-33782 Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods — Subjective Workload Assessment Technique p 259 A86-33783 Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-168] p 269 A86-35426 The stress syndrome — effects on pilot performance p 290 A86-37276 Review of book on principles of aviation psychology p 235 N86-23261 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 AVIONICS Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439 Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432 Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 AVIOIDANCE Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-003748] p 310 N86-27923 Effects of 60 Hz electric fields on operant and social stress behavior of nonhuman primates [DE86-005067] AXES OF ROTATION An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition system [AD-A164099] p 257 N86-25981 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 AXIAL STRAIN Head-spine structure modeling: Enhancements to secondary loading path model
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841477] p 146 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology in Training and Education (TITE) [AD-A157829] p 95 N86-16897 Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference 3 [AD-A163040] p 265 N86-25990 Baseline experiments in teleoperator control [NASA-TP-2547] p 294 N86-26836 Evaluating space station applications of automation and robotics technologies from a human productivity point of view p 409 N86-31412  AUTOMATIC FLIGHT CONTROL Pilots of the future - Human or computer? p 74 A86-18541 Winging it in the 1980's - Why guidelines are needed for cockpit automation [SAE PAPER 841634] p 147 A86-26022	(VK-83-02)  AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 M86-10748 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497  AUTOPSIES A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092  AUTORADIOGRAPHY Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867  AUTOTROPHS Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria  AVIATION PSYCHOLOGY The decision to fity — by aircraft pilots [SAE PAPER 841613] p 132 A86-26024 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Effects of physiological and mental stress on crew members in relatively long flight by C-1 jet transport aircraft p 161 A86-28100 Symposium on Aviation Psychology, 3rd, Columbus, OH, April 22-25, 1985, Proceedings Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods — Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-168] p 269 A86-35426  The stress syndrome — effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-28832  AVIONICS  Target designation by speech, joystick, and touch control - Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319  AVOIDANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-003748] p 310 N86-27923  Effects of 60 Hz electric fields on operant and social stress behavior of nonhuman primates [DE86-005067]  AXES OF ROTATION  An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition system  [AD-A164099] p 257 N86-25981  Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620  AXIAL STRAIN  Head-spine structure modeling: Enhancements to and validation of head-cervical spine model [AD-A161425] p 172 N86-21112
Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 Information display complexes Russian book p 241 A86-33324 A comparison of operator performance in manual and automated versions of a dynamic decision-making task p 262 A86-33825 Cockpit automation - Design and implementation issues [SAE PAPER 851921] p 270 A86-35431 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography p 377 A86-41400 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Proceedings of the Air Force Conference on Technology in Training and Education (TITE) [AD-A157829] p 95 N86-16897 Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference 3 [AD-A163040] p 265 N86-25990 Baseline experiments in teleoperator control [NASA-TP-2547] p 940 N86-26836 Evaluating space station applications of automation and robotics technologies from a human productivity point of view AUTOMATIC FLIGHT CONTROL Pilots of the future - Human or computer? p 74 A86-18541 Winging it in the 1980's - Why guidelines are needed for cockpit automation	AUTONOMIC NERVOUS SYSTEM Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10784 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085] p 380 N86-29497 AUTOPSIES  A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 AUTORADIOGRAPHY  Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867 AUTOTROPHS  Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 AVIATION PSYCHOLOGY  The decision to fly — by aircraft pilots [SAE PAPER 841613] p 132 A86-26024 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26034 Effects of physiological and mental stress on crew members in relatively long flight by C-1 jet transport aircraft p 161 A86-28100 Symposium on Aviation Psychology, 3rd, Columbus, OH, April 22-25, 1985, Proceedings p 226 A86-29851 Cognitive network organization and cockpit automation p 237 A86-29858 Pitch change thresholds as influenced by angular rate	The interfering effects of processing code on visual memory p 259 A86-33782  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods - Subjective Workload Assessment Technique p 259 A86-33783  Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings [SAE P-188] p 269 A86-35426  The stress syndrome effects on pilot performance p 290 A86-37276  Review of book on principles of aviation psychology p 235 N86-23261  The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  AVIONICS  Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439  Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432  Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319  AVOIDANCE  Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-003748] p 310 N86-27923  Effects of 60 Hz electric fields on operant and social stress behavior of nonhuman primates [DE86-003768] p 390 N86-29533  AXES OF ROTATION  An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition system [AD-A164099] p 257 N86-25981  Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620  AXIAL STRAIN  Head-spine structure modelling: Enhancements to and validation of head-cevical spine model

#### AZO COMPOUNDS

Effect of dibasol and some of its imidazo analogues on animal tolerance to gravitational accelerations and dynamics of development of postischemic cerebrovascula phenomena p 279 N86-27896

### B

#### **B-1 AIRCRAFT** Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 Molecular sieve oxygen generation system (MSOGS) onboard the B-1B bomber p 430 A86-47737 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the 8-18 molecular sieve oxygen nerating system p 431 A86-47751 BABOONS

Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-0025871 p 209 N86-23221 Effects of 60 Hz electric fields on operant and social

stress behaviors of nonhuman primates [DE86-0037481 p 310 N86-27923 Effects of 60 Hz electric fields on operant and social

stress behavior of nonhuman primates [DE86-005067] p 390 N86-29533 Effects of 60 Hz electric field on operant and social stress behaviors of nonhuman primates

[DE85-0161211 p 411 N86-30346 Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates

[DE86-005807] p 411 N86-30347 **BACILLUS** 

On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 Cloning and analysis of genes for anthrax toxin

components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus

[AD-A162002] p 212 N86-24187 Bacterial inactivation by means of ionizing radiation [DE86-901038] p 412 N86-30348 Effects of lunar soil, Zagami meteorite, and ocean ridge

basalt on the excretion of itoic acid, a siderophore, and coproporphyrin by Bacillus subtilis p 412 N86-31421 BACK INJURIES

Low back pain in pilots p 395 A86-44092 **BACKGROUND NOISE** 

A new application of adaptive noise cancellation -acoustic barriers p 99 A86-22626 Visual lobe area for single targets on a competing homogeneous background p 234 A86-31821 The effects of bimodal presentation of stimuli and noise

on target detection [AD-A160122] p 134 N86-18981 BACKSCATTERING

Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity

[AD-A159806] p 84 N86-17975 BACTERIA

The uniqueness of archaebacteria p 50 A86-17808 Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029 Recovery of viable thermoactinomyces vulgaris and

other aerobic heterotropic thermophiles from a varyed sequence of ancient lake sediment p 51 A86-18030 manganese-oxidizing Mesophilic bacteria from hydrothermal discharge areas at 21 deg North on the East Pacific Rise

p 51 A86-18032 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing p 51 A86-18033

Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Archaebacterial lipids in hot-spring microbial mats

p 80 A86-21587 An intron in the 23S ribosomal RNA gene of the archaebacterium Desulfurococcus mobilis

p 80 A86-21588 indirect observation by C-13 NMR spectroscopy of a

novel CO2 fixation pathway in methanogens p 103 A86-23225 Sequence of the 16S rRNA gene from the

thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen

p 104 A86-23999 A change in the genetic code in Mycoplasma capricolum p 105 A86-24000

Effect of cosmoheliogeophysical factors on bacterial agglutionation in vitro p 155 A86-27473 Iron-silica crystallite nucleation by bacteria in a geothermal sediment p 247 A86-36368 No valid evidence exists for interstellar proteins, bacteria,

p 296 A86-38143 Positively supercoiled DNA in a virus-like particle of an archaebacterium p 372 A86-40879

Coupling between the bacteriorhodopsin photocycle and the protonmotive force in Halobacterium halobium cell envelope vesicles. III - Time-resolved increase in the transmembrane electric potential and modeling of the associated ion fluxes p 373 A86-43433

Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin

p 374 A86-43434 Halobacterium denitrificans sp. nov., an extremely p 374 A86-43438 halophilic denitrifying bacterium

Halobacterium denitrificans sp. nov. - An extremely halophilic denitrifying bacterium p 414 A86-49524 Photoactive pigments in halobacteria from the Gavish p 415 A86-49998

Kinetics of biological ferrous iron oxidation [DE85-014616] p 4 N86-10736

Raman activity in synchronously dividing bacteria [DF85-015672] p 28 N86-12951

New physical methods for biological aerosol detection (AD-A158218) p 29 N86-13881 Foodborne and waterborne disease outbreaks. A

compilation and subjective profile [AD-A158536] p 63 N86-14876

Determination of increment of Bacillus subtilis biomass in weightlessness p 57 N86-15881 Rapid identification of micro-organisms

[AD-A159945] p 107 N86-18952 Glucocorticoid antagonism by endotoxin: Biological effects during stress and basis for inhibition of phosphoenolpyruvate carboxykinase [AD-A160740] p 116 N86-18969

Application of photosynthetic N2-fixing cyanobacteria to the CELSS program p 151 N86-19929 Experimental, structural and theoretical models of

bacteriochlorophylls a, d and g p 158 N86-21101 Studies on the mechanism of suppression of the immune response by synthetic, non-toxic adjuvants

[AD-A162444] p 160 N86-22085 and biological Molecular properties immunopotentiating complex polysaccharide adjuvant produced by a gliding bacterium

[AD-A1626641 p 160 N86-22086 Development and use of anucleated bacterial cells to assay the in vivo activity of pollutants

[AD-A162727] p 160 N86-22089 Antibiotic properties of bifidobacteria

p 219 N86-23236

The rRNA evolution and procaryotic phylogeny p 305 N86-26889 Investigations with methanobacteria and with evolution

of the genetic code p 306 N86-26890 is the ATPase from halobacterium saccharovorum an evolutionary relic? p 306 N86-26891

Functional and evolutionary relationships between bacteriorhodopsin and halorhodopsin archaebacterium, halobacterium halobium

Thioredoxins in evolutionarily primitive organisms p 306 N86-26893 p 306 N86-26892

Oxygen and the evolution of metabolic pathway p 307 N86-26895

Evolution of thiol protective systems in prokaryotes p 307 N86-26896 significance of osmoregulatory

mechanisms in cyanobacteria p 307 N86-26898 Lactobacteria and prophylaxis in space p 285 N86-27870

Reproductive capacity of microflora on polymers used aled environments p 280 N86-27897 BACTERIOLOGY

New perspectives on bacterial ferredoxin evolution p 2 A86-12001

Phylogenetic origins of the plant mitochondrion based on a comparative analysis of 5S ribosomal RNA p 2 A86-12002 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648

Transient proton inflows during illumination of anaerobic Halobacterium halobium cells p 374 A86-43436 Proton ejection from bacteriorhodopsin --- Russian p 413 A86-49346

Proton injection into bacteriorhodopsin -- Russian p 414 A86-49347 The retinal cycle in bacteriorhodopsin --- Russian book p 414 A86-49348

The rhodopsin-like pigments of halobacteria Light-energy and signal transducers in an p 415 A86-50271 archaebacterium Enhancement of Pseudomonas aeruginosa virulence by hyperbaric atmosphere conditions p 122 N86-19858 Antibiotic properties of bifidobacteria

p 219 N86-23236 Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 BACTERIOPHAGES

Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 The wearing comfort of the PVC: Combat back pack

(IZF-1984-34) p 23 N86-10789 Forward field autotransfusion device [AD-D011763] p 37 N86-12957

BALANCE

Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883 Functional development of gravity receptors in insects p 389 N86-29527 and amphibians BARORECEPTORS

Effect of head-down tilt on basal plasma norepinephrine and renin activity in humans p 11 A86-12377 Quantitative evaluation of human arterial baroreceptor refleve

[IAF PAPER 85-3171 Device for rapid quantification of human carotid baroreceptor-cardiac reflex responses

p 162 A86-28125 BAROTRAUMA

Further studies on the application of the compartmentalization/airlock concept to aircraft and D 53 A86-18842 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867

Lung rupture as a complication in free escape --- from submarines p 122 N86-19862 Explaining the unexplained dysbaric sport diving cidents p 123 N86-19864

Concerning barotrauma of the lungs-translation [AD-A165006] p 289 N86-27914 BASALT

Effects of lunar soil, Zagami meteorite, and ocean ridge basalt on the excretion of itoic acid, a siderophore, and coproporphyrin by Bacillus subtilis
BASES (CHEMICAL) p 412 N86-31421

Base pairing and base mis-pairing in nucleic acids p 304 N86-26881 Higher-order structure of rRNA

p 305 N86-26888 A study to define a set of requirements for cleansing

agents for use in the Space Station whole body show [NASA-CR-171910] p 99 N86-16903 BAYES THEOREM

Bug distribution and pattern classification [AD-A157898]

p 95 N86-16899 **BAYS (TOPOGRAPHIC FEATURES)** Microbial mats and modern stromatolites in Shark Bay,

Western Australi p 51 A86-18027 BEARING (DIRECTION)

Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A1588001 p 40 N86-13889

Bedrest-induced peak VO2 reduction associated with age, gender, and aerobic capacity p 87 A86-20402 Mechanisms for negative water balance during weightlessness Immersion or bed rest?

p 214 A86-30386 Functional state of the pancreas under conditions of prolonged bed rest p 421 A86-49271 Cardiac reserve during weightlessness simulation and shuttle flight [NASA-CR-177085]

p 380 N86-29497 BEHAVIOR USSR report: Life sciences. Biomedical and behavioral

sciences [JPRS-UBB-85-023] p 4 N86-10738 Monitoring of circadian waveforms in rodents exposed to high-intensity static magnetic fields

[DE85-015225] n 28 N86-12952 Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates

[DE85-011992] p 30 N86-13885 USSR report: Life sciences. Biomedical and behavioral sciences

[JPRS-UBB-85-004] D 54 N86-14845 USSR report: Life sciences. Biomedical and behavioral sciences

[JPRS-UBB-85-025] p 83 N86-16881 An investigation into effects of environmental changes on locus of control

[AD-A160861] p 135 N86-18987

An investigation into peer and supervisor differences
in the observation of performance-related behaviors
[AD-A160819] p 135 N86-19898
Mesolimbic and nigrostriatal dopaminergic systems:
Behavioral neuropharmacology
[AD-A160821] p 136 N86-19900
Effects of 60 Hz electric fields on operant and social
stress behaviors of nonhuman primates
[DE86-002587] p 209 N86-23221
Behavioral effects of microwave radiation absorption
[PB86-113735] p 222 N86-23275
Effects of 60 Hz electric fields on operant and social
stress behaviors of nonhuman primates
[DE86-003748] p 310 N86-27923
Effects of 60 Hz electric fields on operant and social
stress behavior of nonhuman primates [DE86-005067] p 390 N86-29533
Multiparameter data acquisition systems for studies of Circadian rhythms
[DE86-004041] p 398 N86-30308
Effects of 60 Hz electric field on operant and social
stress behaviors of nonhuman primates
[DE85-016121] p 411 N86-30346
Effects of 60 Hz electric fields on operant and social
stress behaviors of nonhuman primates
[DE86-005807] p 411 N86-30347
BELGIUM
Treadmill spiroergometry in the selection and screening
of high-performance combat aircraft pilots in the Beligan
Air Force p 401 N86-30325 BENDING
Evidences for changes in sensitivity to auxin and in cell-wall properties during gravitropic bending of dicot
stems properties during gravitropic bending of dicot
BENZENE
Identification and quantification of the water-soluble
components of JP-4 and a determination of their biological
effects upon selected freshwater organisms
[AD-A160271] p 108 N86-18957
Production and characterization of antibodies to
benzo(a)pyrene
[DE86-002204] p 222 N86-23271
BENZENE POISONING
The absorption of benzene through human skin [AD-A161157] p 127 N86-19894
[AD-A161157] p 127 N86-19894 BESS (SATELLITE)
Life sciences accomplishments
Life sciences accomplishments
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879 BIBLIOGRAPHIES Aerospace medicine and biology: A continuing
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879 BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275)
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Biomedical and Environmental Sciences Program
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879 BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Biomedical and Environmental Sciences Program publications 1984
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953 Aerospace Medicine and Biology Continuing Bibliograph:
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879 BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879 BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 Aerospace Medicine and Biology: A continuing Bibliography with Indexes
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments
Life sciences accomplishments [NASA-TM-88179]  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950
Life sciences accomplishments [NASA-TM-88379]  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 [NASA-SP-7011(277)] p 92 N86-16888 [NASA-SP-7011(277)] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18955
Life sciences accomplishments [NASA-TM-88379]  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18955  Aerospace medicine and biology: A continuing bibliography with indexes
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(277)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18955  Aerospace medicine and biology: A continuing Bibliography with indexes [NASA-SP-7011(279)] p 114 N86-18960
Life sciences accomplishments [NASA-TM-88]  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 Aerospace Medicine and Biology: A continuing Bibliography with indexes [NASA-SP-7011(277)] p 92 N86-16888 Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950 Magnetic-field hazards bibliography, 2nd edition (AD-A160154) p 107 N86-18955 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing
Life sciences accomplishments [NASA-TM-8879]  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(279)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281)
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 28 N86-10768 Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950 Magnetic-field hazards bibliography, 2nd edition (AD-A160154) p 107 N86-18955 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 10 N86-19850 The human factor: Biomedicine in the manned space
Life sciences accomplishments [NASA-TM-8877] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850  The human factor: Biomedicine in the manned space program to 1990
Life sciences accomplishments [NASA-TM-88]  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950 Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(281)] p 120 N86-19850 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097
Life sciences accomplishments [NASA-TM-88]  Sibliography with indexes (supplement 275) [NASA-SP-7011(275)]  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)]  P 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070]  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes (NASA-SP-7011(276)]  P 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes (NASA-SP-7011(277)]  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379]  Magnetic-field hazards bibliography, 2nd edition [AD-A160154]  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)]  [NASA-SP-7011(279)]  [NASA-SP-7011(279)]  [NASA-SP-7011(279)]  [NASA-SP-7011(281)]  P 107 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)]  P 107 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)]  The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213]  P 158 N86-21097  Publications of the exobiology program for 1984: A
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) (NASA-SP-7011(281)] p 120 N86-19850 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 Publications of the exobiology program for 1984: A special bibliography
Life sciences accomplishments [NASA-TM-88377]  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)]  P 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070]  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)]  P 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)]  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379]  Aerospace medicine and biology: A continuing Bibliography with indexes [NASA-TM-88360]  P 107 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)]  P 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(281)]  P 120 N86-19850  The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213]  P 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382]
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 [NASA-SP-7011(277)] p 92 N86-16888 [NASA-SP-7011(277)] p 92 N86-16888 [NASA-SP-7011(277)] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850  The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282)
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850  The human factor: Biomedicine in the manned space program to 1990 [NASA-SP-4213] p 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(282)] p 176 N86-22093
Life sciences accomplishments [NASA-TM-88377] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850  The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography [NASA-SP-7011(282)] p 189 N86-21150  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(282)] p 189 N86-21150  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(282)] p 189 N86-21150  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(282)] p 176 N86-22093  Aerospace Medicine and Biology: A cominuing bibliography with indexes (supplement 282)
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 114 N86-18960  [NASA-SP-7011(279)] p 114 N86-18960  [NASA-SP-7011(281)] p 114 N86-19850  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281)  [NASA-SP-7011(281)] p 120 N86-19850  [NASA-SP-7011(281)] p 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282)  [NASA-SP-7011(282)] p 189 N86-22093  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282)  [NASA-SP-7011(282)] p 176 N86-22093  Aerospace medicine and Biology: A Cumulative Index to the 1985 Issues
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850  The human factor: Biomedicine in the manned space program to 1990 [NASA-SP-4213] p 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(282)] p 176 N86-22093  Aerospace medicine and Biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(282)] p 176 N86-22093  Aerospace Medicine and Biology: A Cumulative Index to the 1985 Issues [NASA-SP-7011(280)] p 221 N86-23265
Life sciences accomplishments [NASA-TM-88] BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950 Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950 Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097 Publications of the exobiology program for 1984: A special bibliography [NASA-SP-7011(282)] p 189 N86-21150 Aerospace medicine and Biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(282)] p 176 N86-22093 Aerospace medicine and Biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)] p 221 N86-23265 Behavioral effects of microwave radiation absorption
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-18955  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850  The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(282)] p 176 N86-22093  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)] p 176 N86-22093  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)] p 176 N86-22093  Behavioral effects of microwave radiation absorption [P886-113735]
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(281)] p 120 N86-19850  The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)] p 176 N86-22093  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)] p 176 N86-22093  Aerospace Medicine and Biology: A Cumulative Index to the 1985 Issues [NASA-SP-7011(280)] p 221 N86-23275  Aerospace medicine and biology: A continuing P 222 N86-23275  Aerospace medicine and biology: A continuing P 222 N86-23275  Aerospace medicine and biology: A continuing P 222 N86-23275  Aerospace medicine and biology: A continuing P 222 N86-23275  Aerospace medicine and biology: A continuing P 222 N86-23275  Aerospace medicine and biology: A continuing P 222 N86-23275  Aerospace medicine and biology: A continuing P 222 N86-23275  Aerospace medicine and biology: A continuing P 222 N86-23275
Life sciences accomplishments [NASA-TM-88377]  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)]  P 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070]  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)]  P 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)]  P 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)]  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379]  Magnetic-field hazards bibliography, 2nd edition [AD-A160154]  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)]  P 114 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)]  P 120 N86-19850 [NASA-SP-7011(281)]  P 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382]  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)]  P 189 N86-21150  Aerospace medicine and Biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)]  P 189 N86-22093  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)]  Behavioral effects of microwave radiation absorption p 222 N86-23275  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 283)
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-4213] p 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography [NASA-SP-7011(282)] p 176 N86-22093  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)] p 221 N86-23275  Aerospace medicine and Biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)] p 221 N86-23275  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 283) [NASA-SP-7011(283)] p 221 N86-24192
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(281)] p 120 N86-19850  The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)] p 176 N86-22093  Aerospace Medicine and Biology: A Continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)] p 221 N86-23275  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 283) [NASA-SP-7011(280)] p 221 N86-23275  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 283) [NASA-SP-7011(280)] p 221 N86-23275  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 283) [NASA-SP-7011(280)] p 221 N86-23275  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 283) [NASA-SP-7011(280)] p 221 N86-23275  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 283)
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281)  (NASA-SP-4213] p 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography  (NASA-SP-7011(282)] p 176 N86-22093  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 282)  (NASA-SP-7011(280)] p 221 N86-23275  Aerospace medicine and Biology: A continuing bibliography with indexes (supplement 283)  [NASA-SP-7011(283)] p 221 N86-23275  Aerospace medicine and Biology: A continuing bibliography with indexes (supplement 283)  [NASA-SP-7011(283)] p 221 N86-24192  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 284)  [NASA-SP-7011(284)] p 255 N86-25111
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(281)] p 120 N86-19850  The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-4213] p 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography [NASA-SP-7011(282)] p 189 N86-21150  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(280)] p 221 N86-23275  Aerospace medicine and Biology: A continuing bibliography with indexes (supplement 283) [NASA-SP-7011(280)] p 221 N86-23275  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 284) [NASA-SP-7011(280)] p 221 N86-23275  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 284) [NASA-SP-7011(280)] p 221 N86-23275  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 284) [NASA-SP-7011(280)] p 255 N86-25111  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 284) [NASA-SP-7011(280)] p 255 N86-25111  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 284)
Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879  BIBLIOGRAPHIES  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768  Biomedical and Environmental Sciences Program publications 1984 [DE85-015070] p 28 N86-12953  Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954  Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888  Summaries of 1984-85 NASA space-gravitational biology accomplishments [NASA-TM-88379] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18950  Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(279)] p 114 N86-18960  Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281)  (NASA-SP-4213] p 158 N86-21097  Publications of the exobiology program for 1984: A special bibliography  (NASA-SP-7011(282)] p 176 N86-22093  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 282)  (NASA-SP-7011(280)] p 221 N86-23275  Aerospace medicine and Biology: A continuing bibliography with indexes (supplement 283)  [NASA-SP-7011(283)] p 221 N86-23275  Aerospace medicine and Biology: A continuing bibliography with indexes (supplement 283)  [NASA-SP-7011(283)] p 221 N86-24192  Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 284)  [NASA-SP-7011(284)] p 255 N86-25111

```
Aerospace Medicine and Biology: A Continuing
 Bibliography with Indexes [NASA-SP-7011(278)]
                                     p 287 N86-27905
  Aerospace medicine and biology: Abibliography with indexes (supplement 286)
                                          Α
                                             continuing
  [NASA-SP-7011(286)]
                                     p 379
    USSR Space Life Sciences Digest,
  [NASA-CR-3922(08)]
                                     p 416 N86-32083
  Aerospace medicine and biology: A bibliography with indexes (supplement 288)
                                             continuina
  [NASA-SP-7011(288)]
                                     p 422 N86-32088
BIFURCATION (BIOLOGY)
    Effects of cation ions in nerve excitation
                                      p 37 N86-12377
BIG BANG COSMOLOGY
    Cosmological and anthropic principles, cosmic and
  planetary events, and the existence of life in the
                                     p 274 A86-36766
  univers
BINOCULAR VISION
   A purely central movement aftereffect induced by
  binocular viewing of dynamic visual noise
                                     p 133 A86-26297
    Visual lobe area for single targets
                                       on a competing
  homogeneous background
                                     n 234 A86-31821
   Mechanisms of human motion perception revealed by
  a new cyclopean illusion
                                     p 235 A86-33103
    The importance of stereoscopic imagery in flight
                                     p 383 A86-40483
  simulation
    The human dual visual systems - Their importance in
                                     p 381 A86-40485
   Displacement thresholds in central and peripheral vision
  during tracking
                                     D 378 A86-41782
   Binocular image flows: Steps toward stereo - motion
  fusion
  [AD-A158089
                                      p 67 N86-15901
RIDACOUSTICS
   Effects of speech rate and pitch contour on the
  perception of synthetic speech
                                     p 234 A86-31824
   A study of the effect of ultrasound on the antigenic
  activity of human erythrocytes
                                     p 254 A86-36495
    Meteorological adaptation research at biology institute
                                     p 158 N86-20890
BIOASSAY
   Development of vaccines to the mycotoxin T-2
                  p 63 N86-14877
military relevant compounds
 [AD-A158544]
   Bioassay of
  carcinogenic activity by the strain A mouse lung tumor
  bioassav
 [AD-A1567721
                                      p 93 N86-17981
   Chemical characterization and toxicologic evaluation of
  airborne mixtures: Tumorigenicity studies of Diesel Fuel-2
  Red Smoke Dye and Violet Smoke Dyes in the SENCAR
  Mouse Skin Tumorigenesis Bioassay System
 [AD-A159728]
                                    p 114 N86-18962
   Ultrasensitive detection of chemical substances
  [AD-A159996]
                                    p 108 N86-19825
   Development and use of anucleated bacterial cells to
  assay the in vivo activity of pollutants
 [AD-A162727]
                                    p 160 N86-22089
   Biomedical and environmental sciences at Oak Ridge
  National Laboratory
 [DE86-0016391
                                     p 161 N86-22091
   Fiberoptics immunofluorescence spectroscopy for
  chemical and biological monitoring
 [DE86-002239]
                                     p 225 N86-24209
   USSR report: Space Biology and Aerospace Medicine,
 no. 1, January - February 1986
[JPRS-USB-86-003]
                                     p 278 N86-27878
   Human central hemodynamics
                                    during lower limb
                                     p 286 N86-27887
   Direct spectrophotometric method of assaying ammonia
 concentration in gas environment of seeding chambers
                                     p 280 N86-27900
    Amino acid spectrum of human blood in the presence
 of emotional stress
                                     p 287 N86-27901
   Advantages of the gas exchange approach to
  microbiological studies
 [AD-A166887]
                                     p 393 N86-31207
BIOASTRONAUTICS
   Preliminary medical results of the 5-month flight onboard
  Salyut-7-Soyuz-T
 [IAF PAPER 84-184]
                                      p 10 A86-12362
   Physiologic adaptation to space - Space adaptation
 [IAF PAPER 85-313]
                                      p 35 A86-15824
   The human cardiovascular system in the absence of
  aravit.
 [IAF PAPER 85-315]
                                      p 35 A86-15825
   Spacelab life sciences flight experiments - An integrated
  approach to the study of cardiovascular deconditioning
  and orthostatic hypotension
 [IAF PAPER 85-316]
                                      p 36 A86-15826
   An overview of space physiology and related openiments on Spacelab 1 p 87 A86-21097
 experiments on Spacelab 1
```

```
BIOCHEMISTRY
    Human physiological adaptation to extended Space
  Flight and its implications for Space Station
  [SAE PAPER 851311]
                                        p 110 A86-23502
    Metabolic aspects of the problem of stress in space
  flight --- Russian book
    ght --- Russian book p 105 A86-24136
Immunological analyses of U.S. Space Shuttle
  crewmembers
                                        p 162 A86-29091
    Metabolic support for a lunar base
                                        p 191 A86-30166
    Tissue culture apparatus for flight experimentation
                                        D 201 A86-30444
    Space Station life science research facility - The
  vivarium/laboratory
    varium/laboratory p 201 A86-30449
Life science research on the Space Station
                                        p 201 A86-30451
    Hematologic parameters of astrorats flown on SL-3
                                        p 202 A86-30458
    Microgravity associated changes in pituitary growth
  hormone (GH) cells prepared from rats flown on Space
  Lah 3
                                        p 202 A86-30459
    Morphological and biochemical changes in soleus and
   extensor digitorum longus muscles of rats orbited in
                                        p 203 A86-30464
  Spacelah 3
    Microgravity changes in heart structure and cyclic-AMP
                                        p 203 A86-30465
    Effect of flight in mission SL-3 on interferon-gamma
  production by rats
                                        p 204 A86-30467
    Otoconial morphology in space-flown rats
                                        p 204 A86-30470
    Osteocalcin as an indicator of bone metabolism during
  soaceflight
                                        p 205 A86-30474
    The use of suspension models and comparison with
  true weightlessness --- Animal Model Workshop on
  Gravitational Physiology
                                        p 205 A86-30480
p 217 A86-31150
     Catching zzzs in zero-G
     Life science opportunities in the Space Station
                                        p 275 A86-37855
p 410 A86-43927
     The question of life on Mars
 Space Station - Life sciences
[AIAA PAPER 86-2346]
                                        p 393 A86-46960
    Biochemical responses of Xenopus Laevis muscles to
  changes in environment. I. - Comparison to Rana
  Catesbeiana and exposure to gravic environment
                                        p 415 A86-50288
    Study of biosample preservation, handling, and
   observation facilities
  [ESA-CR(P)-2126]
                                        p 213 N86-24191
    USSR Space Life Sciences Digest, issue 7
  [NASA-CR-3922(08)]
                                        p 416 N86-32083
BIOCHEMICAL OXYGEN DEMAND
    Alteration of rat brain catecholamine levels under
  hypoxia
                                        p 391 A86-43540
    Drugs and surfactants used to prevent caisson diseas
                                         p 54 N86-14868
    Oxygenation and regional circulation in gingival mucosal sues under effect of head-to-pelvis (+Gz) coelerations p 65 N86-15872
  tissues
  accelerations
  External respiration, gas exchange, and blood oxygen 
parameters in acute methemoglobinemia
  DRIC-T-76631
                                        p 415 N86-32082
BIOCHEMISTRY
    Biochemical response to chronic shortening in unloaded
  soleus muscles
                                           р3
    Medical evaluation of cosmonauts - Biochemical
                                         p 11 A86-12433
          geroprotective
                              activity
                                               2.6-dimethyl
  3,5-diethoxycarbonyl 1,4-dihydropyridine
    p 49 A86-16783
The uniqueness of archaebacteria p 50 A86-17808
Peptidoolycan envolves
    Peptidoglycan envelope in the cyanelles of Glaucocystis
  nostochinearum
                                         p 51 A86-18029
    Autotrophic and mixotrophic growth and metabolism of
          moderately thermoacidophilic
                                             iron-oxidizina
                                         p 51 A86-18033
  bacteria
    The elusive mechanism of the circadian clock
                                         p 82 A86-22650
                                     genetic
                                        netic anticodonic
p 189 A86-28723
    Rationalization of some
  assignments
    Effect of calmodulin and auxin transport inhibitors on
  calcium net uptake along apical corn roots
                                        p 196 A86-30412
    Red light shifts the locus and rate of gravitropic curvature
    etiolate pea epicotyls p 196 A86-30413
An attempt to localize and identify the gravity sensing
  in etiolate pea epicotyls
  mechanism of plants
                                        p 197 A86-30417
    Immunocytochemical localization of calmodulin in pea
  root caps and plumules and its relevance to hypothesis
                                        p 197 A86-30419
 on gravitropism
    Effects of norflurazon on the levels of abscisic acid and
  xanthoxin in caps of gravistimulated roots of maize
                                        p 197 A86-30420
    Biochemical and morphological evaluation of the effects
 of space flight on rat salivary glands
```

p 204 A86-30468

p 371 A86-40669

Carbon isotopic fractionation in heterotrophic microbial

Role of carbonic anhydrase in bone resorption induced p 375 A86-43453 by prostaglandin F2 in vitro Role of carbonic anhydrase in bone - Plasma acetazolamide concentrations associated with inhibition of bone loss p 375 A86-43454 Proton injection into bacteriorhodopsin --- Russian hook p 414 A86-49347 The retinal cycle in bacteriorhodopsin --- Russian book p 414 A86-49348 Halobacterium denitrificans sp. nov. - An extremely alophilic denitrifying bacterium p 414 A86-49524
The rhodopsin-like pigments of halobacteria halophilic denitrifying bacterium Light-energy and signal transducers p 415 A86-50271 Biochemical responses of Xenopus Laevis muscles to changes in environment. I. - Comparison to Rana Catesbeiana and exposure to gravic environment p 415 A86-50288 Biochemical responses of Xenopus laevis muscles to changes in environment. II - Responses to gravity and p 415 A86-50289 pressure Structure and function of isozymes: Evolutionary aspects and role of oxygen in eucaryotic organisms [NASA-CR-176286] NASA-CR-176286] p.6 N86-11831 Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-0143091 p 7 N86-11835 Design, construction and testing of a dc bioeffects enclosure for small animals [DE05-016798] p 29 N86-13883 Physiology/biochemistry of photoactivation of O2 evolution: Probes for the S-state protein [DE85-016834] p 53 N86-14843 USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-85-004] Changes in physical condition, vestibular function and bone system of rats submitted to long-term rotation p 54 N86-14857 USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-85-024] p 64 N86-14885 Alcohol effects on brain p 64 N86-14887 Electron reactions in model and biological systems [DE85-016062] p 55 N86-15861 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-85-025] p 83 N86-16881 USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-86-001] p 109 N86-19828 Muscle fatigue: Physiological and biochemical studies p 120 N86-19851 The 10th Meeting of the International Society for Neurochemistry held at Riva del Garda, Italy on 19-24 May 1985 [AD-A1606681 p 171 N86-21110 Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation) p 174 N86-21126 USSR Space Life Sciences Digest, issue 4 [NASA-CR-3922(04)] p 209 N86-23218 Use of membrane vesicles as a simplified system for studying transport of auxin [DE86-002264] p 209 N86-23219 Annual report and summaries of FY 1985 activities supported by the Division of Biological Energy Research [DE85-009132] p 209 N86-23220 USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-86-002] p 209 N86-23222 USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-86-004] p 212 N86-23258 Chemically induced damage to the hippocampal [NDRE/PUBL-86/1002] p 255 N86-25112 Evolutionary significance osmoregulatory mechanisms in cyanobacteria p 307 N86-26898 Microbial contributions to the Precambrian Earth

Study of brain biochemistry during hypothermia

adrenocortical function during long-term hypokinesia

Morphological and biochemical investigation of rat

Weightlessness simulation: Physiological changes in fast

A learning model as a basis for investigations of the

effects of gravity on the learning processes and memory

p 285 N86-27875

p 279 N86-27889

p 380 N86-29498

D 389 N86-29525

p 307 N86-26899

Guard cell biochemistry: Response to environmental stimuli causing changes in gas exchange [DE86-010287] In vivo dermal absorption method and system for laboratory animals [AD-D012325] BIOCOMPATIBILITY Production of gamma- and alpha-interferon by human blood leukocytes under successive induction conditions BIOCONTROL SYSTEMS Hierarchy of control models for temperature regulation The saccadic eve movement control system Controlling of pilot work capacity by psychosomatic self-regulation techniques Phases of muscular thermogenesis under experimental hyperthyrosis Possibility of optimizing respiratory activity by means of biocontrol Individual typological self-regulation of cardio-vascular BIOCONVERSION Romanian plant produces protein concentrate from paraffin-nourished yeasts The development of an unconventional food regeneration process: Quantifying the nutritional mponents of a model methylotrophic yeast Annual report and summaries of FY 1985 activities upported by the Division of Biological Energy Research [DF85-009132] BIODEGRADATION Biocidal synthetic coatings based on high-molecular metaloorganic compounds Reproductive capacity of microflora on polymers used in sealed environments BIODYNAMICS Comparative biodynamic response of two primate species to the same vibrational environment [AD-A160679] The alleviating effect of arbitrary movements on the An automated methodology for conducting human factors evaluations of protective garments The use of ellipsoidal solids to display human body ynamic response p 272 A86-36852 dynamic response Nonlinear mechanisms in pathophysiology Toward a dynamical theory of health and Human body biomechanics and movements after 120-day antiorthostatic hypokinesia [AD-A157993] [AD-A161425] [AD-A1628481

p 60 N86-14851 Statistical research on problems of biodynamics p 67 N86-15899 Head-spine structure modeling: Enhancements to secondary loading path model and validation of head-cervical spine model p 172 N86-21112 The effects of ketamine on Rhesus monkey skeletal

p 213 N86-24189

Neuronal reactions and evoked potentials in the

BIOELECTRIC POTENTIAL

subcortical brain structures in the process of visual recognition. I - Formulation of the problem and basic methods for its solution p 9 A86-10696 Prestimulus EEG and evoked potentials in man during the recognition of a meaningful light stimulus p 9 A86-10697

Neuronal responses and the evoked potentials in subcortical structures of the human brain during visual recognition. Il - The effect of stimuli relevance on the evoked neuronal responses p 216 A86-30894 A bidomain model for the extracellular potential and magnetic field of cardiac tissue p 206 A86-31224

The use of brain evoked response in a critical event detection task p 261 A86-33819 Event-related brain potentials and resource allocation

From dual-task decrements to dual-task integrality p 261 A86-33820 Processing inferences derived from event-related

potential measures in a monitoring task p 262 A86-33822

Spinal cord decompression sickness - A comparison of recompression therapies in an animal model

p 372 A86-41784 The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750

Spectral-correlation characteristics of EEG in the course of short-term memory tests. I - A study of spectral-correlation parameters of the potentials in the human neocortex during correct short-term memorizing

D 419 A86-49263 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency

D 419 A86-49264 On the interrelationship between different ranges of bioelectric activity of the human brain

D 422 A86-49975 Neuronal response and evoked potentials in subcortical formations in visual perception. Part 1: Problem formulation and principles of solution

p 119 N86-19844 An investigation of the use of steady-state evoked potentials for human performance and workload ssessment and control [AD-A1662051 p 404 N86-30332

BIOELECTRICITY

p 416 N86-32086

p 417 N86-32951

p 217 N86-23229

p 22 A86-10158

p 265 A86-36500

p 373 A86-43425

p 420 A86-49266

p 13 N86-10752

D 4 N86-10741

p 151 N86-19928

p 55 N86-14870

p 1 A86-10252

p 216 A86-30898

p 268 A86-33817

p 422 A86-49636

and

physiology

N86-27897

p 280

A86-33797

p 267

Visual perception and memory: Information processes and neuron mechanisms --- Russian book

p 52 A86-18744 Changes in the blood electric conductivity caused by body immersion p 90

A model for the formation of the structure of the external electric field of humans p 183 A86-27500 Electrical enhancement of healing

p 156 A86-28449 Electrical activity of cerebellum in the wakefulness-sleep p 157 A86-29255

Gravistimulation-induced changes in current patterns around root caps p 196 A86-30411 Changes in the contractile and electrical activities of the rat myocardium under the effect of verapamil under

insufficient oxygenation p 246 A86-35939 Impulse activity of the brain stem neurons related to the cardiac and respiratory rhythms p 246 A86-35940 Bioimpedance measurement with respect to pulsatile

pulmonary blood flow p 271 A86-36316 Dynamics of the ultraslow bioelectric brain activity during the performance of certain parts of operational activity

p 255 A86-36534 Human body impedance and threshold currents for perception and pain for contact hazard analysis in the VLF-MF band p 281 A86-39598 Intraventricular conduction disturbances in flying

personnel Right bundle branch block p 378 A86-41788

Proton ejection from bacteriorhodopsin --- Russian book p 413 A86-49346 Proton injection into bacteriorhodopsin --- Russian p 414 A86-49347

The retinal cycle in bacteriorhodopsin --- Russian book D 414 A86-49348 A nonlinear regression procedure for evoked potential

[AD-A157680] p 53 N86-14839 Biological sciences and bioelectromagnetics in Europe [AD-A159221] p 53 N86-14841

Neurophysiological bases of event-related potentials [AD-A158997] p 71 N86-14890 Peptides and memory p 95 N86-16884 Mitochondrial manifestations of stress and response to

hormonal stimulation and hydroaeroions p 84 N86-16885 The interface between atmosphere and organism

p 164 N86-21014 Rat brain impedance in stationary magnetic field

p 174 N86-21128 Biochemical models for study of nerve cell processes

p 209 N86-23223 Mechanism of electromagnetic energy effects on the ervous system: Voltage-clamp study

[AD-A164653] p 282 N86-26798 Studies on visual information processing in retinal

[EL-859] p 288 N86-27906

# BIOENGINEERING

LSRO/ONR ad hoc review process [AD-A156590] p 4 N86-10735 Biomaterials research in West Germany: assessment [AD-A158951] p 53 N86-14840 BIOFFFDBACK

Self-control of psychophysiologic response to motion stress Using biofeedback to treat sickness [AD-A1634281

p 70 A86-18833 Possibility of optimizing respiratory activity by means of ocontrol p 420 A86-49266 biocontrol General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Shuttle flight experiment 30-day summary report [NASA-CR-176539] p 171 NR6-

p 171 N86-21109 Electric sleep method of preventing fatigue build-up in sailors on extended cruises p 235 N86-23248

d slow muscle

[NASA-CR-176945]

BIOGENY

Exobiology experiments for space station p 243 A86-30453

BIOGEOCHEMISTRY

Parity-violating energy differences of chiral minerals and the origin of biomolecular homochirality

p 77 A86-17807 Planetary ecology; Proceedings of the Sixth International Symposium on Environmental Biogeochemistry, Santa Fe, NM, October 10-14, 1983

M, October 10-14, 1983 p 50 A86-18026 Aspects of the biogeochemistry of Big Soda Lake, p 51 A86-18031 Nevada

Isoleucine stereoisomers on the earth Stromatolites from the 3,300-3,500-Myr Swaziland

p 155 A86-26490 Simulation of thermal polycondensation processes of amino acids during the migration of their aqueous solutions in the earth's lithosphere p 274 A86-34489 The Precambrian evolution of terrestrial life

Supergroup, Barberton Mountain Land, South Africa

p 275 A86-38146 Template-directed oligonucleotide de ligation on p 393 A86-45960 hydroxylapatite Isotopic, petrologic and biogeochemical investigations of banded iron-formations p 305 N86-25885 Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values

**BIOINSTRUMENTATION** 

Device for rapid quantification of human carotid baroreceptor-cardiac reflex responses

p 308 N86-26900

p 162 A86-28125 Method of high-precision microsampled blood and plasma mass densitometry p 419 A86-49250 New physical methods for biological aerosol detection [AD-A158218] Portable diagnostic radiometer [AD-A157685] p 62 N86-14872

Study of biotechnology applied to research and development [AD-A161877] n 212 N86-24185

Biosensors from membrane proteins reconstituted in polymerized lipid bilayers [AD-D012160] p 248 N86-25974

Enzyme cofactor modified electrodes p 375 N86-28607

AD-A165604] BIOLOGICAL EFFECTS

The effect of a weak variable ultralow-frequency magnetic field on the development of hypercoagulation syndrome in rats caused by restricted mobility

p 79 A86-19300 Absorption of millimeter waves by human beings and p 111 A86-24442 its biological implications

Effect of cosmoheliogeophysical factors on bacterial p 155 A86-27473 agglutionation in vitro Effect of low-power millimeter-range monochromatic electromagnetic radiation on biological processes

p 155 A86-27475 Gravistimulation-induced changes in current patterns around root caps p 196 A86-30411 Effects of mechanical stresses, abscisic acid, and outdoor exposure on growth and water relations of

p 196 A86-30416 eggplant Effects of clinostat rotation on Aurelia statolith p 199 A86-30436 synthesis

The new ANSI RF radiation exposure standard - Its background and impact p 371 A86-40519 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays

p 373 A86-41787 Aerospace medicine and biology: bibliography with indexes (supplement 275) A continuing

[NASA-SP-7011(275)] p 15 N86-10768
Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project

[AD-A156942] p 16 N86-11839 Acute pulmonary effects of formaldehyde exposure in humans

[DE85-014728] p 17 N86-11848 Monitoring of circadian waveforms in rodents exposed to high-intensity static magnetic fields

[DE85-015225] p 28 N86-12952 Biomedical and Environmental Sciences Program publications 1984

[DE85-015070] p 28 N86-12953 Aerospace Medicine and Biology Continuing Bibliograph: continuing bibliography with indexes

[NASA-SP-7011(276)] p 37 N86-12954 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959

Design, construction and testing of a dc bioeffects enclosure for small animals

[DE05-016798] n 29 N86-13883 Effects of 60 Hz electric fields on operant and social tress behaviors of nonhuman primates [DE85-011992]

D 30 N86-13885 USSR report: Life sciences. Biomedical and behavioral

[JPRS-UBB-85-004] p 54 N86-14845 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 5, September - October 1985

[JPRS-USB-85-007] p 54 N86-14848 Variation in baseline sister chromatid exchange frequencies in humans [DE85-016084] p 64 N86-14883

Freezing of living cells [DE85-016297] p 55 N86-15862 On the effects of X irradiation on the Bacillus subtilis

pores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 Basic results of experiments with long-term rotation of rats as applied to the problem of artificial gravity

p 56 N86-15878 Investigation of mineral nutrition of a new form of microalgae to be used in biological life-support systems

p 57 N86-15892 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888

Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] NASA-TM-88197] p 92 N86-16890 Health and Environmental Effects of Complex Chemical Mixtures

[DE85-016336] p 92 N86-16892 Biological effects of electric fields

[PB85-243467] p 93 N86-16895 Magnetic-field hazards bibliography, 2nd edition

[AD-A160154] p 107 N86-18955 Aerospace medicine and biology: A continuing Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Glucocorticoid antagonism by endotoxin: Biological

effects during stress and basis for inhibition of phosphoenolpyruvate carboxykinase

p 116 N86-18969 Aerospace medicine and biology: //
bibliography with indexes (supplement 281) A continuing [NASA-SP-7011(281)] p 120 N86-19850

Meteorological adaptation research at biology institute P 158 N86-20890 Weather sensitivity as discomfort p 165 N86-21025

Aerospace medicine and biology: A bibliography with indexes (supplement 282) A continuing [NASA-SP-7011(282)]

p 176 N86-22093 Use of membrane vesicles as a simplified system for studying transport of auxin

[DE86-002264] p 209 N86-23219 Annual report and summaries of FY 1985 activities upported by the Division of Biological Energy Research p 209 [DE85-0091321 N86-23220 Aerospace Medicine and Biology: A Cumulative Index

to the 1985 Issues [NASA-SP-7011(280)] p 221 N86-23265 Behavioral effects of microwave radiation absorption

[PB86-113735] p 222 N86-23275 System for measurement of small vibrations at material faces induced by electrostrictive forces [PB86-116530]

p 222 N86-23276 Biological effects and physical safety aspects of NMR imaging and in vivo spectroscopy IDE86-0029661 p 213 N86-24190

Aerospace medicine and biology: A continuing bibliography with indexes (supplement 283) [NASA-SP-7011(283)] p 223 N86-24192

The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) iHz) p 223 N86-24193 Effects of wearing NBC (Nuclear, Biological and

Chemical) protective clothing in the heat on detection of visual signals [AD-A162321] p 224 N86-24202

ELF (Extremely Low Frequency) biological effects literature data base management system p 225 N86-24205

[AD-A162900] Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 284) [NASA-SP-7011(284)] p 255 N86-25111

DNA analysis of epithelial cell suspensions [DE86-002403] p 249 N86-25977 Aerospace Medicine and Biology: A continuing bibliography with indexes

[NASA-SP-7011(285)] p 282 N86-26797 Late biological effects from internal and external

[DE86-001181] p 278 N86-27868

Prospects for using ultraviolet radiation in long-term spaceflights p 285 N86-27879

Aerospace Medicine and Biology: A Continuing Bibliography with Indexes [NASA-SP-7011(278)] p 287 N86-27905 Biological effects of ionizing radiation

p 288 N86-27909 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514

[NASA-TM-88223] p 375 N86-28606 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286)

[NASA-SP-7011(286)] p 379 N86-28612 Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews

[NASA-TM-88231] p 379 N86-28613 Skeletal response to short-term weightlessness

[NASA-TM-88778] p 379 N86-29496 Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior

[NASA-CR-177003] NASA-CR-177003] p 385 N86-29509 Biological studies of swine exposed to 60-Hz electric fields. Volume 5: Hematology and serum chemistry [DE86-005362] p 411 N86-30344

Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345

Physical interaction of humans and animals with power-frequency electric and magnetic fields

[DE86-007734] p 402 N86-31215 Aerospace medicine and biology: A bibliography with indexes (supplement 288) [NASA-SP-7011(288)] p 422

p 422 N86-32088

Evaluation of the need for a large primate research facility in space [NASA-CR-179661] p 444 N86-32111

**BIOLOGICAL EVOLUTION** 

New perspectives on bacterial ferredoxin evolution

Phylogenetic origins of the plant mitochondrion based on a comparative analysis of 5S ribosomal RNA p 2 A86-12002

Could life have arisen in the primitive atmosphere? p 24 A86-12004 The oldest traces of life (according to papers presented

at the 27th session of the International Geological Congress) p 47 A86-13974 Fact and assumption in studies on the origins of life p 48 A86-14115

Carbon isotope discrepancy between Precambrian stromatolites and their modern analogs - Inferences from hypersaline microbial mats of the Sinai Coast

p 25 A86-14119 Submarine hydrothermal vents and associated gradient environments as sites for the origin and evolution of life

D 48 A86-14123 The evolution of complex life [IAF PAPER 85-465]

p 48 A86-15919 Molecular theory of evolution: Outline of a physico-chemical theory of the origin of life --- Book

p 76 A86-17623 Parity-violating energy differences of chiral minerals and the origin of biomolecular homochirality

p 77 A86-17807 The uniqueness of archaebacteria p 50 A86-17808 Archaebacterial lipids in hot-spring microbial mats

p 80 A86-21587 An intron in the 23S ribosomal RNA gene of the archaebacterium Desulfurococcus mobilis

p 80 A86-21588 Molecular archaeology of the mitochondrial genome

p 104 A86-23996 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998

Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 A change in the genetic code in Mycoplasma

capricolum p 105 A86-24000 The tryptophanyl-tRNA synthetases from eurocaryotes. procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323

Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 Biological extinction in earth history

p 207 A86-32057 Eukaryotic ribosomes that lack a 5.8S RNA

p 207 A86-32237 The theoretical principles of adaptation --- physiological esponses to environment p 208 A86-33072 responses to environment Investigation on the chirality of electrons from Sr-90-Y-90 beta-decay and their asymmetrical interactions with D- and p 243 A86-33390

Simulation of thermal polycondensation processes of amino acids during the migration of their aqueous solutions in the earth's lithosphere D 274 A86-34489 Iron-silica crystallite nucleation by bacteria in a geothermal sediment p 247 A86-36368 Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the n 274 A86-36766 universe Universal protein ancestors from hydrogen cyanide and water --- extraterrestrial origins p 296 A86-38141 The Precambrian evolution of terrestrial life p 275 A86-38146 Some implications of mass extinction for the evolution p 275 A86-38147 of complex life Universal aspects of biological evolution p 275 A86-38149 On the occurrence and appearance of galactic life forms p 297 A86-38150 A thermodynamic approach In the beginning . . . there was clay? p 297 A86-38624 RNA catalysis and the origin of life p 372 A86-41043 The synthesis of primitive 'living' forms - Definitions. goals, strategies and evolution synthesizers p 372 A86-41045 Chirally selective, intramolecular interaction observed in an aminoacyl adenylate anhydride p 372 A86-41046 Conservation of the secondary structure of protein during evolution and the role of the genetic code D 372 A86-41047 Development of otoconia in the embryonic chick (Gallus p 414 A86-49871 domesticus) Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mic [DE85-014309] p 7 N86-11835 Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879 Second Symposium on Chemical Evolution and the Origin of Life [NASA-CP-2425] p 297 N86-26844 Characterization of biogenic elements in interplanetary p 297 N86-26846 dust particles Boundary conditions for the paleoenvironment: Chemical and Physical Processes in dense interstellar clouds n 297 NR6-26847 Interstellar isomers p 298 N86-26848 Observational exobiology p 298 N86-26850 Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestria bodies p 299 N86-26858 Energy yields in the prebiotic synthesis of hydrogen cyanide and formaldehyde p 300 N86-26863 Synthesis and analysis in studies of chemical p 300 N86-26864 Isotopic characterisation of prebiotic synthesis of organic material p 300 N86-26865 Origin of life and iron-rich clays N86-26866 p 300 Clay energetics in chemical evolution p 301 N86-26867 Cooperation of catalysts and templates p 301 N86-26871 Molecular microenvironments: Solvent interactions with nucleic acid bases and ions p 302 N86-26872 Intramolecular interactions in aminoacyl nucleotides: Implications regarding the origin of genetic coding and protein synthesis p 302 N86-26873 Molecular replication p 302 N86-26874 Models of glycolysis: Glyceraldehyde as a source of energy and monomers for prebiotic condensation p 302 N86-26876 A comparative study of prebiotic and present day translational models p 303 N86-26877 Protobiological informatoin, bidirectional recognition and p 303 N86-26878 reverse translation Photochemical reactions of various model protocell systems p 303 N86-26879 The principle of cooperation and life's origin and evolution p 303 N86-26880 Base pairing and base mis-pairing in nucleic acids p 304 N86-26881 Recent progress in Precambrian paleobiology p 305 N86-26887 Higher-order structure of rRNA p 305 N86-26888 The rRNA evolution and procaryotic phylogeny p 305 N86-26889 Investigations with methanobacteria and with evolution of the genetic code p 306 N86-26890 Is the ATPase from halobacterium saccharovorum an evolutionary relic? p 306 N86-26891 Functional and evolutionary relationships between bacteriorhodopsin and halorhodopsin

Oxygen and the evolution of metabolic pathways implementation of models for the transient division p 307 N86-26895 system of spatio-temporal visual perceptio Evolution of thiol protective systems in prokaryotes [ETN-86-975331 p 425 N86-32965 p 307 N86-26896 A model of the transient part of the spatio-temporal perception, containing a two-dimensional long fiber NASA Workshop on Animal Gravity-Sensing Systems [NASA-TM-88249] ETN-86-975401 n 417 p 426 N86-32966 NA6-32050 BIOLOGY **BIOLOGICAL MODELS (MATHEMATICS)** USSR report: Space Biology and Aerospace Medicine, volume 19, no. 5, September - October 1985 Lactate, pyruvate, and lactate-to-pyruvate ratio during exercise and recovery p 8 A86-10110 [JPRS-USB-85-0071 D 54 N86-14848 Hierarchy of control models for temperature regulation Applied biology and biotechnology, the program of the p 22 A86-10158 Federal government, 1985-1988 [ETN-86-96938] Could life have arisen in the primitive atmosphere? p.386 N86-28626 p 24 A86-12004 BIOMAGNETISM Effects of suspension hypokinesia/hypodynamia on rat Neuromagnetism Theory, techniques, p 26 A86-14313 skeletal muscle measurements --- Thesis p 217 A86-33459 Muscle vibrations and man-machine system dynamics The rhythms of paramagnetic-center er concentration in Russian book p 74 A86-18731 mouse liver and a mathematical model of synchronized Immersion cooling - Effect of clothing and skinfold autooscillations p 247 A86-36497 thickness Biological sciences and bioelectromagnetics in Europe [AD-A163427] [AD-A159221] p 59 A86-18837 p 53 N86-14841 BIOMASS Molecular archaeology of the mitochondrial genome Potential for utilization of algal biomass for components p 104 A86-23996 the diet in CELSS Mathematical models of the effect of gravitation on lung [SAE PAPER 851388] p 111 A86-24135 p 140 A86-23567 functions --- Russian book Utilization of non-conventional systems for conversion On the use of a bubble formation model to calculate of biomass to food components: Potential for utilization p 114 A86-25658 diving tables of algae in engineered foods Interaction between the otolithic organ and the [NASA-CR-176257] p 6 N86-11830 semicircular canals of the vestibular apparatus in the Determination of increment of Bacillus subtilis biomass system of spatial angular stabilization in humans p 57 N86-15881 in weightlessness p 161 A86-27474 Investigation of mineral nutrition of a new form of A model for the formation of the structure of the external microalgae to be used in biological life-support systems electric field of humans p 183 A86-27500 p 57 N86-15892 Potential for utilization of algal biomass for components Wickens' resource allocation model - Implications for the design of human-machine systems of the diet in CELSS. p 148 N86-19907 p 185 A86-28453 Design concepts for bioreactors in space Time-sharing revised - Test of a componential model p 151 N86-19926 for the assessment of individual differences Comparative analysis of biomass pyrolysis n 239 A86-29881 condensates A bidomain model for the extracellular potential and FDE86-0017731 p 159 N86-21102 magnetic field of cardiac tissue p 206 A86-31224 BIOMEDICAL DATA The metric of visual space p 234 A86-32072 USSR report: Life sciences. Biomedical and behavioral A model of the system controlling involuntary eye sciences [JPRS-UBB-85-023] p 247 A86-36496 n 4 N86-10738 movements Biomedical and Environmental Sciences Program The rhythms of paramagnetic-center mouse liver and a mathematical model of synchronized publications 1984 p 247 DE85-0150701 p 28 N86-12953 The effect of external factors on the reactions modeling Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879 biological processes (Piccardi test) p 247 A86-36498 cosmoheliogeophysical effects Biomaterials research in West Germany: The use of ellipsoidal solids to display human body assessment p 53 N86-14840 dynamic response p 272 A86-36852 Biological sciences and bioelectromagnetics in Europe Spinal cord decompression sickness - A comparison of [AD-A159221] recompression therapies in an animal model p 53 N86-14841 p 372 A86-41784 USSR report: Life sciences. Biomedical and behavioral The inverse problem in electrocardiography - A model [JPRS-UBB-85-004] study of the effects of geometry and conductivity p 54 N86-14845 meters on the reconstruction of epicardial potential USSR report: Life sciences. Biomedical and behavioral p 394 A86-43750 sciences Models of disuse - A comparison of hindlimb suspension [JPRS-UBB-85-024] n 64 N86-14885 and immobilization Models for biomedical research: p 391 A86-44196 new perspective [PB85-240067] Dynamics of the cupula in the semicircular canal of the p 83 N86-16880 USSR report: Life sciences. Biomedical and behavioral estibular analyzer --- Russian book p 421 A86-49339 Proton ejection from bacteriorhodopsin sciences [JPRS-UBB-85-025] p 413 A86-49346 p 83 N86-16881 book The human factor: Biomedicine in the manned space The retinal cycle in bacteriorhodopsin -- Russian book p 414 A86-49348 program to 1980 Hemodynamics during gravitational p 158 N86-21097 overloads (mathematical modeling) p 12 N86-10739 Biomedical and environmental sciences at Oak Ridge National Laboratory Quantitative models describing the kinetics of tumor cell oliferation: A comparison to experimental data [DE86-001639] p 161 N86-22091 p 53 N86-14844 CWI-AM-R84181 Biomedical research with cyclotron produced Computational models of human vision radionuclides with [DE86-000327] p 221 N86-23269 p 67 N86-15898 [NASA-CR-176413] Using Ashford's general model to aid in the The biomorphic model of the human pilot understanding of a pesticide's neurotoxic effect through [VTH-LR-310] p 100 N86-17991 pesticide-drug mixture experiments On interacting populations that disperse to avoid [PB86-130028] p 226 N86-24211 crowding: The effect of a sedentary colony Biological effects of ionizing radiation p 181 N86-21145 p 288 N86-27909 Biochemical models for study of nerve cell processes BIOMETEOROLOGY p 209 N86-23223 Seasonal and circadian rhythms in androgen excretion The BAe D target acquisition model ORACLE: An in the extremely continental climate of Trans-Baikal and overview, 1984 the BAM region among groups of local nonnative [BAE-JS-100091 population p 420 A86-49269 Using Ashford's general model to aid in the The influence of heliometeorologic factors on circulation understanding of a pesticide's neurotoxic effect through and some vegetative functions p 165 N86-21021 pesticide-drug mixture experiments Environmental factors and infant mortality [PB86-130028] p 226 N86-24211 Stochastic p 168 N86-21041 models of man-machine system p 242 N86-24216 effectiveness What in human biometeorology can contribute to Development, growth and time assessment of the effects of hazardous substances on biological model p 168 N86-21043 [CWI-CS-R8516] health? p 277 N86-26795

Problems in city climate evaluation

biometeorological terms

in human

p 169 N86-21050

archaebacterium, halobacterium halobium

Thioredoxins in evolutionarily primitive organisms

p 306 N86-26892

p 306 N86-26893

A theoretical concept for state changes and shape

p 387 N86-29516

changes in weightlessness

Human bioclimatic classification me	athode illustrated with
examples of selected countries	p 169 N86-21058
Comparison between meteorolog	ical complex values
and a model of man's energy budge	
	p 169 N86-21059
Application of meteorological and	solar data in health
resort climatherapy	p 170 N86-21067
BIOMETRICS	•
Noninvasive Doppler determination	on of cardiac output
during submaximal and peak exercis	on or cardiac output
during additional and peak exercis	
1	p 21 A86-10102
Investigation of Eustachianal fund	tion in JASDF pilots
by new apparatus. I - On the pressu	ural regulation of the
Eustachian tube in normal human	p 32 A86-13941
Non-invasive physiologic brain	monitoring in USAF
operational environments	p 85 A86-19332
Volume and density changes of	
temperature	p 79 A86-20001
Effects of gravity on the fluid bala	
in man	p 214 A86-30383
Thermoencephaloscopy	p 206 A86-30892
Complex approach to the study of	of adaptive systemic
reactions and functional states in ma	n. I - The time factor
in the formation of subcomplexes of s	vstemic physiological
	ynamics, and the
instrumentation used in the study	
Completion of constant flow	p 216 A86-30893
Correlation of constant flow r	are with frequency
spectrum of respiratory sounds who	
trachea	p 217 A86-31223
Neuromagnetism - Theory,	techniques, and
measurements Thesis	p 217 A86-33459
Processing inferences derived	from event related
potential measures in a monitoring to	
potential measures in a monitoring to	
	p 262 A86-33822
Assessment of simulation fidelity	using measurements
of piloting technique in flight. II	p 264 A86-35667
Human body impedance and three	eshold currents for
perception and pain for contact ha	zard analysis in the
VLF-MF band	
	p 281 A86-39598
An analysis of estimation of pulm	ionary blood flow by
the single-breath method	p 413 A86-47872
Dynamics of changes of statistics	al indicators of heart
rhythm of persons with different	degree of motion
sickness	p 12 N86-10743
BIONICS	p .=
Biocybernetic analysis of a hybrid	workland madel
[AD-A159033]	p 63 N86-14880
Model of experimental pixuna vin	
mice	p 211 N86-23253
mice Studies of the electric field distri	p 211 N86-23253 bution in biological
mice Studies of the electric field distri	p 211 N86-23253 bution in biological
mice	p 211 N86-23253 bution in biological diofrequencies
mice Studies of the electric field distri- bodies. Experimental dosimetry at ra [AD-A163156]	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976
mice Studies of the electric field distri- bodies. Experimental dosimetry at ra	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976
mice Studies of the electric field distri bodies. Experimental dosimetry at re [AD-A163156] The role of impulse parameters in BIOPHYSICS	p 211 N86-23253 bution in biological idiofrequencies p 249 N86-25976 force variability p 439 N86-32997
mice Studies of the electric field distribodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co-	p 211 N86-23253 button in biological idiofrequencies p 249 N86-25976 force variability p 439 N86-32997
mice Studies of the electric field distri bodies. Experimental dosimetry at re [AD-A163156] The role of impulse parameters in BIOPHYSICS	p 211 N86-23253 bution in biological idiofrequencies p 249 N86-25976 force variability p 439 N86-32997 imponent analysis of blood vessels
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the	p 211 N86-23253 button in biological idiofrequencies p 249 N86-25976 force variability p 439 N86-32997
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the	p 211 N86-23253 bution in biological dioffrequencies p 249 N86-25976 force variability p 439 N86-32997 imponent analysis of blood vessels p 34 A86-15517
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the	p 211 N86-23253 bution in biological dioffrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-1554
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during	p 211 N86-23253 bution in biological dioffrequencies p 249 N86-25976 force variability p 439 N86-32997 imponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis.
mice Studies of the electric field distri bodies. Experimental dosimetry at re [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit	p 211 N86-23253 bution in biological diofferequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian
mice Studies of the electric field distri bodies. Experimental dosimetry at re [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization	p 211 N86-23253 button in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674
mice Studies of the electric field distri bodies. Experimental dosimetry at re [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod	p 211 N86-23253 bution in biological dioffrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15624 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 obesin photocycle and
mice Studies of the electric field distri bodies. Experimental dosimetry at re [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod the protompotive force in Halohact	p 211 N86-23253 button in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halodycle and e
mice Studies of the electric field distri bodies. Experimental dosimetry at re [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso	p 211 N86-23253 bution in biological disofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell kved increase in the
mice Studies of the electric field distri bodies. Experimental dosimetry at re [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso	p 211 N86-23253 bution in biological disofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell kved increase in the
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential ar	p 211 N86-23253 bution in biological didofrequencies p 249 N86-25976 force variability p 439 N86-32997 imponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 lopsin photocycle and erium halobium cell lived increase in the nd modeling of the
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential ar associated ion fluxes	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43433
mice Studies of the electric field distri bodies. Experimental dosimetry at re [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur	p 211 N86-23253 button in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell ved increase in the nd modeling of the p 373 A86-43433 mination of anaerobic
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells	p 211 N86-23253 bution in biological dioffrequencies p 249 N86-25976 force variability p 439 N86-32997 imponent analysis of blood vessels p 34 A86-15521 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-4074 lopsin photocycle and erium halobium cell lived increase in the p 373 A86-43433 mination of anaerobic p 374 A86-43436
mice Studies of the electric field distri bodies. Experimental dosimetry at re [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 imponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell ved increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 ues?
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre- recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motili- fertilization Coupling between the bacteriorhof the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss-	p 211 N86-23253 button in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell ived increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 ues?
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential at associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss-	p 211 N86-23253 bution in biological disofrequencies p 249 N86-25976 force variability p 439 N86-32997 imponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-4074 lopsin photocycle and erium halobium cell kved increase in the d modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43430 ues? p 391 A86-434197 historicular canal of the
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential at associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss  Dynamics of the cupula in the serr vestibular analyzer Russian book	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 use? p 391 A86-44197 hich currollar canal of the p 421 A86-49339
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential at associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss  Dynamics of the cupula in the serr vestibular analyzer Russian book	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 use? p 391 A86-44197 hich currollar canal of the p 421 A86-49339
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential at associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss-	p 211 N86-23253 button in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell lved increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 ues? p 391 A86-44197 nicircular canal of the p 421 A86-3339 in — Russian book
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss Dynamics of the cupula in the sem vestibular analyzer — Russian book Proton transfer in bacteriorhodops	p 211 N86-23253 bution in biological didofrequencies p 249 N86-25976 force variability p 439 N86-32997 imponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40744 opsin photocycle and erium halobium cell kind increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 ues?  p 391 A86-44197 incircular canal of the p 421 A86-49339 in — Russian book p 413 A86-49339 in — Russian book
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-cor biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential at associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss- Dynamics of the cupula in the ser vestibular analyzer Russian book Proton ejection from bacteriorhodops	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 imponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40474 lopsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43433 miniation of anaerobic p 374 A86-43430 ues? p 391 A86-434343 miniation of anaerobic p 374 A86-43430 inition of anaerobic p 374 A
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss Dynamics of the cupula in the sem vestibular analyzer Russian book Proton transfer in bacteriorhodops Proton ejection from bacteriorhodok	p 211 N86-23253 button in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-1554 fertilization, mitosis, and the requirement y during mammalian p 371 A86-4064 and erium halobium cell ved increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 ues? p 391 A86-43497 in:—Russian book p 413 A86-49345 nodopsin Russian book p 413 A86-49345 nodopsin Russian p 413 A86-49345
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss  Dynamics of the cupula in the serr vestibular analyzer Russian book Proton ejection from bacteriorhodops  Proton ejection from bacteriorhodok Proton injection into bacteriorho	p 211 N86-23253 bution in biological disofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell kned increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-49339 in — Russian book p 413 A86-49345 oodopsin — Russian p 413 A86-49346 dopsin — Russian
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss Dynamics of the cupula in the sen vestibular analyzer Russian book Proton transfer in bacteriorhodops  Proton ejection from bacteriorho book Proton injection into bacteriorho	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-1554 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 use? p 391 A86-43436 use? p 391 A86-49339 in Russian book p 413 A86-49345 odopsin Russian p 413 A86-49346 dopsin Russian p 413 A86-49346
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss Dynamics of the cupula in the sen vestibular analyzer Russian book Proton transfer in bacteriorhodops  Proton ejection from bacteriorho book Proton injection into bacteriorho	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-1554 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 use? p 391 A86-43436 use? p 391 A86-49339 in Russian book p 413 A86-49345 odopsin Russian p 413 A86-49346 dopsin Russian p 413 A86-49346
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss  Dynamics of the cupula in the serr vestibular analyzer Russian book Proton ejection from bacteriorhodops  Proton ejection from bacteriorhodok Proton injection into bacteriorho	p 211 N86-23253 button in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-1554 fertilization, mitosis, and the requirement y during marmalian p 371 A86-40674 opsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43436 ination of anaerobic p 374 A86-43436 ination of anaerobic p 374 A86-43439 in Russian book p 413 A86-49345 dopsin Russian p 414 A86-49347 psin Russian p 414 A86-49347 psin Russian p 414 A86-49347 psin Russian book
mice Studies of the electric field distri bodies. Experimental dosimetry at re [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential at associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss  Dynamics of the cupula in the serr vestibular analyzer Russian book Proton transfer in bacteriorhodops  Proton ejection from bacteriorhodook The retinal cycle in bacteriorhodop	p 211 N86-23253 bution in biological didofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell kned increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-49349 ini — Russian p 414 A86-49349 ini — Russian p 413 A86-49346 dopsin — Russian p 414 A86-49347 ini — Russian book p 414 A86-49347 ini — Russian p 414 A86-49347 ini — Russian book p 414 A86-49347
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-cor biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential at associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss- Dynamics of the cupula in the sen vestibular analyzer Russian book Proton ejection from bacteriorhodops Proton ejection from bacteriorhodook Proton injection into bacteriorhodook The retinal cycle in bacteriorhodop USSR report: Life sciences. Biom-	p 211 N86-23253 bution in biological didofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell kned increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-49349 ini — Russian p 414 A86-49349 ini — Russian p 413 A86-49346 dopsin — Russian p 414 A86-49347 ini — Russian book p 414 A86-49347 ini — Russian p 414 A86-49347 ini — Russian book p 414 A86-49347
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss: Dynamics of the cupula in the sem vestibular analyzer — Russian book Proton transfer in bacteriorhodops  Proton ejection from bacteriorhodok The retinal cycle in bacteriorhodop  USSR report: Life sciences. Biomesciences	p 211 N86-23253 button in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-1554 fertilization, mitosis, and the requirement y during marmalian p 371 A86-40674 opsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43436 increase in the nd modeling of the p 373 A86-43430 mination of anaerobic p 374 A86-43430 increase in the nd modeling of the p 373 A86-43430 increase in the nd modeling of the p 373 A86-43430 increase in the nd modeling of the p 373 A86-43430 increase in the nd modeling of the p 374 A86-43430 increase in the nd modeling of the p 374 A86-49345 increase in the nd modeling of the p 421 A86-49346 dopsin Russian p 414 A86-49347 in Russian p 414 A86-49348 edicial and behavioral
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre- recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motili- fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss:  Dynamics of the cupula in the sem vestibular analyzer Russian book Proton transfer in bacteriorhodops  Proton ejection from bacteriorhodok Proton injection into bacteriorhodo book The retinal cycle in bacteriorhodop  USSR report: Life sciences. Biomesciences [JPRS-UBB-86-001]	p 211 N86-23253 bution in biological didofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell kned increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-49349 ues? p 391 A86-49349 ues? p 391 A86-49349 in Russian book p 413 A86-49345 dopsin Russian p 414 A86-49346 dopsin Russian p 414 A86-49347 sin Russian p 414 A86-49348 edical and behavioral
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-cor biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential at associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss  Dynamics of the cupula in the sem vestibular analyzer Russian book Proton ejection from bacteriorhodops  Proton ejection from bacteriorhobook The retinal cycle in bacteriorhodop  USSR report: Life sciences. Bioms sciences [JPRS-UBB-86-001] USSR report: Life sciences. Biom-	p 211 N86-23253 bution in biological didofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell kned increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-49349 ues? p 391 A86-49349 ues? p 391 A86-49349 in Russian book p 413 A86-49345 dopsin Russian p 414 A86-49346 dopsin Russian p 414 A86-49347 sin Russian p 414 A86-49348 edical and behavioral
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre- recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif- fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss- Dynamics of the cupula in the sem vestibular analyzer Russian book Proton ejection from bacteriorhobook Proton injection into bacteriorhobook The retinal cycle in bacteriorhodop  USSR report: Life sciences. Biom- sciences [JPRS-UBB-86-001] USSR report: Life sciences. Biom- sciences	p 211 N86-23253 button in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-1554 fertilization, mitosis, and the requirement y during marmalian p 371 A86-40674 opsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43436 increase in the nd modeling of the p 373 A86-43430 mination of anaerobic p 374 A86-43430 in Russian book p 413 A86-49345 dopsin Russian book p 413 A86-49345 dopsin Russian p 414 A86-49347 osin Russian book p 414 A86-49348 edicial and behavioral
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre- recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motili- fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss:  Dynamics of the cupula in the sem vestibular analyzer Russian book Proton transfer in bacteriorhodops Proton ejection from bacteriorhodops Proton injection into bacteriorhodo book The retinal cycle in bacteriorhodop  USSR report: Life sciences. Biom- sciences [JPRS-UBB-86-001]  USSR report: Life sciences. Biom- sciences [JPRS-UBB-86-004]	p 211 N86-23253 bution in biological didofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell wed increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-49349 ues? p 391 A86-49349 in Russian book p 413 A86-49345 odopsin Russian p 413 A86-49346 dopsin Russian p 414 A86-49346 dopsin Russian p 415 A86-49346 dopsin Russian p 416 A86-49348 edical and behavioral p 109 N86-19828 edical and behavioral
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential at associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss  Dynamics of the cupula in the serv vestibular analyzer Russian book Proton ripection from bacteriorhodops  Proton ejection from bacteriorhodop  Proton injection into bacteriorhodop  USSR report: Life sciences. Biomisciences [JPRS-UBB-86-001] USSR report: Life sciences. Biomisciences [JPRS-UBB-86-004] An analysis of potential predictive j	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 mes? p 391 A86-43433 mination of anaerobic p 374 A86-43436 mes? p 391 A86-49339 in — Russian book p 413 A86-49345 otoolopsin — Russian p 414 A86-49348 edical and behavioral p 109 N86-19828 edical and behavioral p 212 N86-23258 parameters of motion
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential at associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss  Dynamics of the cupula in the serv vestibular analyzer Russian book Proton ripection from bacteriorhodops  Proton ejection from bacteriorhodop  Proton injection into bacteriorhodop  USSR report: Life sciences. Biomisciences [JPRS-UBB-86-001] USSR report: Life sciences. Biomisciences [JPRS-UBB-86-004] An analysis of potential predictive j	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 mes? p 391 A86-43433 mination of anaerobic p 374 A86-43436 mes? p 391 A86-49339 in — Russian book p 413 A86-49345 otoolopsin — Russian p 414 A86-49348 edical and behavioral p 109 N86-19828 edical and behavioral p 212 N86-23258 parameters of motion
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre- recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilif- fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential ar associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss- Dynamics of the cupula in the sem vestibular analyzer Russian book Proton transfer in bacteriorhodops  Proton ejection from bacteriorho book The retinal cycle in bacteriorhodop  USSR report: Life sciences. Biom- sciences [JPRS-UBB-86-001] USSR report: Life sciences. Biom- sciences [JPRS-UBB-86-004] An analysis of potential predictive p sickness using a computerized biophy	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 mes? p 391 A86-43433 mination of anaerobic p 374 A86-43436 mes? p 391 A86-49339 in — Russian book p 413 A86-49345 otoolopsin — Russian p 414 A86-49348 edical and behavioral p 109 N86-19828 edical and behavioral p 212 N86-23258 parameters of motion
mice Studies of the electric field distri bodies. Experimental dosimetry at ra [AD-A163156] The role of impulse parameters in BIOPHYSICS Biophysical basis of the two-co- biosignals of the pulsed filling of the The effect of high spatial fre recognition processes Microtubule configurations during and early development in the mouse for egg microtubule-mediated motilit fertilization Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential at associated ion fluxes Transient proton inflows during illur Halobacterium halobium cells How well mixed is inert gas in tiss  Dynamics of the cupula in the serv vestibular analyzer Russian book Proton ripection from bacteriorhodops  Proton ejection from bacteriorhodop  Proton injection into bacteriorhodop  USSR report: Life sciences. Biomisciences [JPRS-UBB-86-001] USSR report: Life sciences. Biomisciences [JPRS-UBB-86-004] An analysis of potential predictive j	p 211 N86-23253 bution in biological diofrequencies p 249 N86-25976 force variability p 439 N86-32997 mponent analysis of blood vessels p 34 A86-15517 quencies on visual p 41 A86-15524 fertilization, mitosis, and the requirement y during mammalian p 371 A86-40674 opsin photocycle and erium halobium cell lived increase in the nd modeling of the p 373 A86-43433 mination of anaerobic p 374 A86-43436 mes? p 391 A86-43433 mination of anaerobic p 374 A86-43436 mes? p 391 A86-49339 in — Russian book p 413 A86-49345 otoolopsin — Russian p 414 A86-49348 edical and behavioral p 109 N86-19828 edical and behavioral p 212 N86-23258 parameters of motion

[JPRS-UBB-86-009]

Institute)	BIRDS
[AD-A165810] p 379 N86-28614	The et
BIOPROCESSING	WIO MOR
Physiological insights gained through zero-G medical	BIRTH
research p 144 A86-24121	Periph
Design concepts for bioreactors in space	motor co
p 151 N86-19926	[AD-A16
Salyut-7 electrophoresis experiments aid medical research p 158 N86-20445	BLACKOU
research p 158 N86-20445 BIOREACTORS	Perfor
Kinetics of biological ferrous iron oxidation	accelera
[DE85-014616] p.4 N86-10736	1 - 42 - 1
Design concepts for bioreactors in space	Inflight
p 151 N86-19926	Navy exp
Carbon dioxide evolution rate as a method to monitor	G-indu
and control an aerobic biological waste treatment	head for
system p 151 N86-19930 BIOSPHERE	BLOCKING
Life sciences accomplishments	Compi
[NASA-TM-88177] p 29 N86-13879	of pilots
BIOSYNTHESIS	BLOOD
Indirect observation by C-13 NMR spectroscopy of a	Infrare
novel CO2 fixation pathway in methanogens	concentr
p 103 A86-23225 Control of arachidonic acid release in chick muscle	[AD-D01
cultures p 198 A86-30429	Forwa [AD-D01
Hepatic enzymes of sphingolipid and glycerolipid	Inform
biosynthesis in rats from Spacelab 3	ultrasono
p 205 A86-30475	
Theoretical prerequisites for the possible use of bacteria	Transp
which split organophosphates in order to increase the yield	
of nutrient yeast and its nitrogen and phosphorous content	A stud
[AD-A161811] p 159 N86-22083	fatigue ir
Lymphocyte activation - regulatory substances	[AD-A16
[AD-A162683] p 160 N86-22087	A mod
Artificial antigens, vaccines reviewed	lung
p 219 N86-23239	[AD-A16
Obtaining hybridomas that synthesize monoclonal	Clinico
antibodies to polysaccharide of group a streptococcus	Carpathi
p 219 N86-23240	Invest
Clay energetics in chemical evolution	carboxyt
p 301 N86-26867	[AD-A16
Oxygen and the evolution of metabolic pathways	Resea
p 307 N86-26895	[NASA-0
BIOTECHNOLOGY	The e
Biotechnology regulation	dynamic
[GPO-43-778] p 3 N86-10733	[AD-A16
USSR report: Life sciences. Biomedical and behavioral sciences	Magne
[JPRS-UBB-85-023] p 4 N86-10738	[AD-D01
Biotechnology: Science and practice	Ultrase
p 4 N86-10742	under hy [AD-A16
Biological sciences and bioelectromagnetics in Europe	Urinar
[AD-A159221] p 53 N86-14841	[AD-A16
Biocybernetic analysis of a hybrid workload model	Factor
[AD-A159033] p 63 N86-14880	[AD-A16
USSR report: Life sciences. Biomedical and behavioral	Induce
sciences	An exam
[JPRS-UBB-86-001] p 109 N86-19828	[AD-A16
Biomedical and environmental sciences at Oak Ridge	BLOOD CI Blood
National Laboratory	caused
[DE86-001639] p 161 N86-22091	hypokine
Japanese Technology Evaluation Program (JTECH):	Invest
Biotechnology Panel [PB86-109386] p 161 N86-22092	case of
USSR report: Life sciences. Biomedical and behavioral	
sciences	Micro
[JPRS-UBB-86-002] p 209 N86-23222	following
Study of biotechnology applied to research and	Resist
development	skeletal
[AD-A161877] p 212 N86-24185	hypoxia
Biotechnica '85 International Congress for	Circa
Biotechnology	orthosta
[AD-A165415] p 276 N86-26794	Day c
USSR report: Life sciences. Biomedical and behavioral	other he
sciences	The re
[JPRS-UBB-86-009] p 376 N86-28610	muscles Blood
Applied biology and biotechnology, the program of the	5,000
Federal government, 1985-1988 [ETN-86-96938] p 386 N86-28626	Compa
	on regio
Biotechnology: The US Department of Agriculture's biotechnology research efforts	hypobari
[GAO/RCED-86-39BR] p 376 N86-29494	Vestib
Air Force technical objective document, Aerospace	orthosta
Medical Division, FY 1987	D*
[AD-A167422] p 423 N86-32090	Reacti in nitroge
BIOTELEMETRY	ar muoge
Homeostasis and biological rhythms in the rat during	Indice
spaceflight p 202 A86-30460	erythrop
Circadian variation in host defense	nitrogen-

```
ffect of a microwave radiation (2.45 GHz CW) on
of house finches (Carpodacus Mexicanus)
neral nerve injury in developing rats reorganizes
20191
                             p 417 N86-32952
JT (PHYSIOLOGY)
         and physiological
mance
                                   effects of
tion-induced (+Gz) loss of consciousness
                               p 8 A86-10253
loss of consciousness - A first look at the U.S.
perience
                             p 396 A86-44780
T PREVENTION
ced loss of consciousness - Combat aircraft pilots
trouble
                             p 396 A86-44814
ete right branch blocking and the flight fitness
                             p 31 A86-13567
  optical measurement of blood gas
ations and fiber optic catheter
18361
                             p 37 N86-12955
rd field autotransfusion device
                             p 37 N86-12957
            of echo signal in pulsed
ography of the brain (with use of model)
                             p 66 N86-15887
port of arterial blood gates through human skin
                             p 91 N86-16887
ly of the flight environment component of aircrew
 student navigators
                             p 117 N86-18973
lel of inhaled gas and vapor transport in the human
                             p 117 N86-18976
epidemiological characteristics of Q fever in
an foothills
ian foothills p 118 N86-19834
igation of the method to determine
aemoglobin in blood
10611
                             p 127 N86-19892
arch opportunities on immunocompetence in
CR-176482]
                             p 180 N86-21138
ffects of ketamine on Rhesus monkey skeletal
52848]
                             p 213 N86-24189
tic separation device
                             p 249 N86-25975
onic quantification of blood volume redistribution
/pergravity
                             p 257 N86-25982
and hematological indices of hypohydration
5015] p 289 N86-27917
s influencing carboxyhemoglobin stability
5032] p 289 N86-27918
ad erythrocythemia and maximal aerobic power:
ination of modifying factors
65221
                             p 402 N86-31212
RCULATION
circulation changes in the carotid arteries pool
  by
       antiorthostasis and antiorthostatic
                              p 27 A86-15513
gation of the functional condition of pilots in the
oxygen breathing under excess pressure
                              p 88 A86-22525
circulatory changes in rats with burn shock
adaptation to high-altitude hypoxia
                              p 81 A86-22547
tance, exchange and capacitance functions of muscle vessels in the presence of acute hypoxic
                              p 81 A86-22593
dian variation of volume and concentration of
tically shifted fluid
                             p 215 A86-30445
ourse of blood and plasma density in relation to
matological parameters
                             D 215 A86-30446
egulatory mechanisms of blood supply in skeletal
--- Russian book p 207 A86-32524 transport of oxygen (The role of erythrocytes)
p 208 A86-33073
arative study of acetazolamide and spironolactone
nal blood distribution on exposure to acute
c hypoxia p 246 A86-35863
ular resistance and blood circulation changes in
ic hypoxia
tic position during hyperthermia
                              p 14 N86-10758
ion of rabbit respiration system to hypoxic stimulus
en-oxygen medium at elevated pressure
                               p 5 N86-10760
s of blood oxygen transporting properties and
oiesis in rats after prolonged stay in 
-oxygen mixture at elevated pressure
                               p 5 N86-10761
```

The effect of spironolactone on the cardiocirculatory
responses to upright tilt at sea level and at simulated high
altitude [AD-A157734] p 39 N86-13887
Metabolic distinctions of human red blood during
long-term spaceflights p 60 N86-14850
Microcirculation and cellular hemostasis in men with
borderline arterial hypertension submitted to neutral-temperature dry immersion in water
p 61 N86-14854
Effect of positive pressure breathing on hemodynamics
in patients with borderline hypertension submitted to water immersion p 61 N86-14855
Circulatory and thermoregulatory actions of hydration
during exercise-heat stress
[AD-A158440] p 63 N86-14875 Oxygenation and regional circulation in gingival mucosal
tissues under effect of head-to-pelvis (+Gz)
accelerations p 65 N86-15872
Transport of arterial blood gates through human skin p 91 N86-16887
The influence of heliometeorologic factors on circulation
and some vegetative functions p 165 N86-21021
Cerebral circulation and oxygenation in healthy man
during graded exercise in antiorthostatic position p 173 N86-21120
Ultrasonic quantification of blood volume redistribution
under hypergravity
[AD-A164379] p 257 N86-25982
Experimental and general theoretical research: Nature of circulatory regulation in pilots p 285 N86-27880
Blood serum enzymes during 7-day water immersion
p 287 N86-27902
Resistance, exchange, and capacitance functions of skeletal muscle vessels in acute hypoxic hypoxia
p 379 N86-28611
Thermoregulation after atropine and pralidoxime
administration [AD-A165868] p 397 N86-30304
BLOOD COAGULATION
Hypoxia-induced vasopressin release and coagulopathy
in a normal subject p 60 A86-18844
The effect of a weak variable ultralow-frequency magnetic field on the development of hypercoagulation
syndrome in rats caused by restricted mobility
p 79 A86-19300
The dependence of thromboelastographic indices in healthy subjects on geomagnetic-field conditions
p 90 A86-22545
Mechanism of circulatory disorders in animals subjected
to high-dose irradiation p 106 A86-24423 Physiological changes in hemostasis associated with
acute exercise p 215 A86-30680
Changes in the blood coagulation system of rabbits
under conditions of acute hypoxia and some methods of its correction p 414 A86-49368
Drugs and surfactants used to prevent caisson disease
in rats p 54 N86-14868
BLOOD FLOW
Headache at high altitude is not related to internal carotid arterial blood velocity p 8 A86-10108
Calcified hematoma of the greater omentum in an F-15
fighter pilot p 9 A86-10262
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions Russian book p 33 A86-15443 Biophysical basis of the two-component analysis of
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions Russian book Biophysical basis of the two-component analysis of biosignals of the pulsed filling of the blood vessels
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions Russian book p 33 A86-15443 Biophysical basis of the two-component analysis of biosignals of the pulsed filling of the blood vessels p 34 A86-15517
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot pusteady blood flow in humans under artificial conditions P 33 A86-15443 Biophysical basis of the two-component analysis of biosignals of the pulsed filling of the blood vessels P 34 A86-15517 Changes in the function of skeletal muscle vessels due to the cardiogenic depressor reflex P 81 A86-22594 Plasma viscosity elevations with simulated weightlessness P 253 A86-36312 Bioimpedance measurement with respect to pulsatile pulmonary blood flow P 271 A86-36312 Measurement and prediction of flow through a replica segment of a mildly atherosclerotic coronary artery of man P 374 A86-43440 Solute conductance of blood-gas barrier in hamsters exposed to hyperoxia P 391 A86-44195 Fluid dynamic study in a femoral artery branch casting of man with upstream main lumen curvature for steady flow P 397 A86-45254 An analysis of estimation of pulmonary blood flow by the single-breath method P 413 A86-47872
fighter pilot p 9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot pusteady blood flow in humans under artificial conditions in Russian book p 33 A86-15443 Biophysical basis of the two-component analysis of biosignals of the pulsed filling of the blood vessels p 34 A86-15517 Changes in the function of skeletal muscle vessels due to the cardiogenic depressor reflex p 81 A86-2594 Plasma viscosity elevations with simulated weightlessness p 253 A86-36312 Bioimpedance measurement with respect to pulsatile pulmonary blood flow Measurement and prediction of flow through a replica segment of a mildly atherosclerotic coronary artery of man p 371 A86-34400 Solute conductance of blood-gas barrier in hamsters exposed to hyperoxia p 391 A86-44195 Fluid dynamic study in a femoral artery branch casting of man with upstream main lumen curvature for steady flow p 397 A86-45254 An analysis of estimation of pulmonary blood flow by the single-breath method p 413 A86-47872 Effect of nerve block on response of forearm blood flow to local temperature p 418 A86-47873 BLOOD PLASMA
fighter pilot Unsteady blood flow in humans under artificial conditions
fighter pilot p. 9.9 A86-10262 Unsteady blood flow in humans under artificial conditions
fighter pilot Unsteady blood flow in humans under artificial conditions

Age-related augmentation of plasma catecholamines

p 10 A86-12376

during dynamic exercise in healthy males

```
Effect of head-down tilt on basal plasma norepinephrine
                                                                  The possible involvement of PGI2 in the PEFP-induced
                                      p 11 A86-12377
and renin activity in humans
                                                                changes in cardiac output and blood pressure
                                                                                                    p 395 A86-44091
  Blood pressure and plasma renin activity as predictors
                                      p 32 A86-14312
of orthostatic intolerance
                                                                  Effect of hydration on some
                                                                                                      orthostatic and
                                                                haematological responses to head-up tilt
  Thermoregulatory and blood responses during exercise
                                                                                                    p 419 A86-49225
at graded hypohydration levels
                                      p 36 A86-16052
  Plasma norepinephrine, blood pressure and heart rate
                                                                  Vestibular resistance and blood circulation changes in
response to graded change in body position
                                                                orthostatic position during hyperthermia
                                      p 59 A86-18835
                                                                                                      p 14 N86-10758
  Plasma volume and estimated liver plasma flow during
                                                                  Human hemodynamic change under high atmospheric
                                                                                                      p 37 N86-12458
hyperbaric and hyperoxic exposures in awake dogs
                                      p 52 A86-18841
                                                                  Effect of positive pressure breathing on hemodynamics
  Plasma hormonal responses at graded hypohydration
                                                                in patients with borderline hypertension submitted to water
                                                                                                     p 61 N86-14855
levels during exercise-heat stress
                                                                immersion
[AD-A164941]
                                       p 86 A86-20004
                                                                  Oxygenation and regional circulation in gingival mucosal
  The effect of different regimens of running training on
                                                                        under effect of head-to-pelvis
 the physical work capacity and blood plasma lipids and
                                                                accelerations
                                                                                                     p 65 N86-15872
                                                                  Meteorotropic changes of cardiac patients' blood
 lipoproteins in untrained male and female students
                                       p 89 A86-22537
                                                                pressure and pulse frequency during a complex bath
  Changes in the blood electric conductivity caused by
                                                                                                    p 166 N86-21031
                                                                  Analysis techniques for continuous twenty four hour
                                       p 90
   The effect of short term hypoxia on body temperature
                                                                ambulatory blood pressure patterns p 170 N86-21103
Aerobic capacity and coronary risk factors in a
                                      p 81 A86-22595
 and lactic acid in blood
   Day course of blood and plasma density in relation to
                                                                middle-aged army population AD-A163998 HC A02/MF
other hematological parameters p 215 A86-30446
Atriopetin (AP-3) in atria and plasma of rats orbited
                                                                A01
                                                                [AD-A163998]
 aboard NASA Spacelab (SL3) for seven days
                                                                  Experimental and general theoretical research: Nature
                                                                                                    p 285 N86-27880
                                     p 205 A86-30477
                                                                of circulatory regulation in pilots
                                                                  Human central hemodynamics during lower limb p 286 N86-27887
   Plasma renin concentration (PRC) of rats orbited for 7
 days aboard NASA Spacelab 3
                                     n 205 A86-30478
                                                                decompression
                                                                  Effect of dibasol and some of its imidazo analogues
   Plasma lactate and ventilation thresholds in trained and
 untrained cyclists
                                     p 215 A86-30678
                                                                on animal tolerance to gravitational accelerations and
   Effect of elevated FFA on carbohydrate and lipid
                                                                dynamics of development of postischemic cerebrovascular
 oxidation during prolonged exercise in humans
                                     p 215 A86-30679
                                                                The effect of breathing elevated CO2 gas mixtures on tracking performance, blood pressure, and subjective
   Effect of hydration on plasma vasopressin, renin, and
                                                                tolerance at 1Gz
 aldosterone responses to head-up tilt
             p 253 A86-36311
viscosity elevations with
                                                                [AD-A165974]
                                                                                                     p 401 N86-31210
                                                                                          performance
                                                                  Complex
                                                                              monitoring
                                                                                                            and
 weightlessness
                                      p 253 A86-36312
                                                                coronary-prone type A behavior pattern
   Manganese metabolism in healthy humans during
                                                                 AD-A1682401
                                                                                                     p 428 N86-32971
 different times of the year p 255 A86-36533
Cyclic adenosine-3',5'-monophosphate and cyclic
                                                              BLOOD VESSELS
                                                                  lonizing radiation and blood vessels --- Russian book
                                                                                                     p 105 A86-24144
 quanosine-3'.5'-monophosphate in the blood plasma of
 mice injected with chemicals of different radioprotective
                                                                  Localization of calcium stimulated
                                                                                                             adenosine
                                                                triphosphatase activity in blood vessels of the skeleton
p 197 A86-30424
 efficiency
                                      p 276 A86-39718
   Continuous blood densitometry - Fluid shifts after graded
                                      p 392 A86-45251
 hemorrhage in animals p 392 A86-45251
Method of high-precision microsampled blood and
                                                                  Platelet-endothelial function in relation to environmental
                                                                 temperature
                                                                [AD-A1607441
 plasma mass densitometry
                                      D 419 A86-49250
                                                                                                     p 116 N86-18970
   Effect of emotional stress on hemostasis system of
                                                                  Element analysis of sclerotic formations of major blood
                                       p 19 N86-10745
                                                                  ressels by laser mass spectrometry p 118 N86-19833
 healthy persons
             volume
                      methodology:
                                                                   Examination of retinal pattern threshold levels and their
                                           Evans
 hemoglobin-hematocrit,
                                                 density
                                                                possible effect on computer access control mechanisms
                             and
                                      mass
                                                                  AD-A1612131
  transformations
                                       p 37 N86-12956
                                                               BLOOD VOLUME
 INASA-TM-868341
    A multi-isotope procedure for simultaneously estimating
                                                                   Effects of hemodilution on O2 transport in high-altitude
 the volume of body fluid compartments of swine
                                                                 polycythemia
                                                                                                      p 37
                                       p 64 N86-14881
                                                                   The effect of +Gz acceleration on cardiac volumes
 [AD-A159631]
    Investigation of some aspects of human amino acid
                                                                 determined by two-dimensional echocardiography
                                                                                                      p 58 A86-18547
 metabolism during 120-day antiorthostatic hypokinesia
                                                                   Plasma volume and estimated liver plasma flow during
                                       n 65 N86-15873
    Simultaneous determination of fluid shifts during thermal
                                                                 hyperbaric and hyperoxic exposures in awake dogs
                                                                                                      p 52 A86-18841
 stress in a small animal model
                                                                   The use of thoracic impedance for determining thoracic
 [AD-A1593631
                                       p 83 N86-16877
    Elevations of plasma endotoxin levels and lysosomal
                                                                 blood volume changes in man p 87 A86-20406
The effect of enkephalins on metabolic parameters of
 enzyme activities in divers during a simulated chamber
                                                                 rats in the presence of acute experimental blood loss
 dive to 300 msw
                                     p 123 N86-19866
    Effect of restricted motor activity on alanine level in
                                                                                                       p 81 A86-22546
                                                                   Effects of detraining on cardiovascular responses to
 human plasma
                                      p 173 N86-21122
                                                                                                      p 91 A86-22665
p 214 A86-30384
    Morphological and biochemical investigation of rat
                                                                 exercise - Role of blood volume
 adrenocortical function during long-term hypokinesia
                                                                   Volume regulating hormones
                                                                   Circadian variation of volume and concentration of
                                      p 279 N86-27889
    Amino acid spectrum of human blood in the presence
                                                                 orthostatically shifted fluid
                                                                                                      p 215 A86-30445
                                      p 287 N86-27901
                                                                   Time course of muscular blood metabolites during
 of emotional stress
    Influence of erythrocythemia on blood volume and
                                                                 forearm rhythmic exercise in hypoxia
                                                                                                      p 252 A86-36222
  thermoregulation during exercise-heat stress
                                      p 289 N86-27916
                                                                   Effect of head-out water immersion on response to
 [AD-A1650141
BLOOD PRESSURE
                                                                                                      p 396 A86-44194
                                                                   Continuous blood densitometry - Fluid shifts after graded
                     of renin, angiotensin
    Plasma
                                                                                                     p 392 A86-45251
                                                                 hemorrhage in animals
 6-ketoprostaglandin F1-alpha in endurance athletes
                                                                   Effect of hydration on some
                                                                                                        orthostatic and
                                         p 8 A86-10111
                                                                 haematological responses to head-up tilt
    Blood pressure and plasma renin activity as predictors
                                                                                                      p 419 A86-49225
 of orthostatic intolerance
                                       p 32 A86-14312
    Blood pressure levels of active pilots compared with
                                                                   Fluid and protein shifts after postural changes in
                                                                                                     p 421 A86-49523
    nose of air traffic controllers p 33 A86-14318
Plasma norepinephrine, blood pressure and heart rate
  those of air traffic controllers
                                                                 humans
                                                                   Plasma volume methodology:
                                                                                                           Evans blue,
  response to graded change in body position
                                                                 hemoglobin-hematocrit.
                                                                                             and
                                                                                                       mass
                                                                                                                 density
                                                                 transformations
                                        p 59 A86-18835
                                                                                                       p 37 N86-12956
                                                                 [NASA-TM-86834]
    Hypoxia-induced vasopressin release and coagulopathy
                                                                   A multi-isotope procedure for simultaneously estimating
  in a normal subject
                                        p 60 A86-18844
                                                                  the volume of body fluid compartments of swine
    Correlation between the arterial blood pressure, the
                                                                 [AD-A159631]
                                                                                                       p 64 N86-14881
  pulmonary artery pressure, and central venous pressure
                                        p 90 A86-22542
                                                                   Ultrasonic quantification of blood volume redistribution
    Microvascular flow adjustments with postural changes
                                                                  under hypergravity
                                                                                                      p 257 N86-25982
                                       p 215 A86-30448
                                                                  [AD-A164379]
```

		BRAIN
Influence of erythrocythemia on blood volume and	Reduction of circadian disruption following surgery by	Bone loss during simulated weightlessness - Is it
thermoregulation during exercise-heat stress [AD-A165014] p 289 N86-27916	ingestion of caffeine in the laboratory rat	glucocorticoid mediated? p 197 A86-30423
BLUE GREEN ALGAE	p 201 A86-30447 Homeostasis and biological rhythms in the rat during	Effect of simulated weightlessness and chronic
Characterization and optimization of hydrogen	Spacetiight n 202 Arr. 20460	1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425
production by a salt water blue-green alga Oscillatoria sp.	Short term heat effect on adreno- and cholino-sensitivity	metabolism p 198 A86-30425 Role of carbonic anhydrase in bone - Plasma
Miami BG 7. II - Use of immobilization for enhancement of hydrogen production p 156 A86-28860	Of rat's small intestine n 4 Nas-10754	acetazolamide concentrations associated with inhibition
Hydrogen production from salt water by Marine blue	Efficiency of muscular work in white rats during adaptation to cold p 5 N86-10763	of bone loss p 375 A86-43454
green algae and solar radiation p 245 A86-34985	Effect of increased body clothing insulation on hand	Effect of diphosphonates on bones of hypokinetic rats
Utilization of non-conventional systems for conversion	temperature in a cold environment	p 279 N86-27890 Method of demonstrating calcium in human foot by
of biomass to food components: Potential for utilization	[AD-A156597] p 22 N86-10786 An atropinized heat-stressed rat model: Anticholinergic	neutron activation of (alpha, N)-sources
of algae in engineered foods [NASA-CR-176257] p 6 N86-11830	and anticholinesterase drug potency	p 287 N86-27899
BODY COMPOSITION (BIOLOGY)	[AD-A157620] p 6 N86-11832	Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N86-29496
Physical, anthropometrical, and body composition	Portable diagnostic radiometer [AD-A157685] p. 62 N86-14872	The temporal response of bone to unloading
characteristics of workers at Kennedy Space Center [NASA-TM-83102] p 272 N86-25122	[AD-A157685] p 62 N86-14872 Circulatory and thermoregulatory actions of hydration	[NASA-TM-89228] p 397 N86-30303
[NASA-1M-83102] p 272 N86-25122 BODY FLUIDS	during exercise-heat stress	Selection of an appropriate animal model for study of bone loss in weightlessness p 412 N86-31436
Volume and density changes of biological fluids with	[AD-A158440] p 63 N86-14875	BONE MARROW
temperature p 79 A86-20001	A comparison of the protection against immersion hypothermia provided by Coast Guard anti-exposure	The effect of auricular electric stimulation on
Cardiovascular receptors and fluid volume control (1985	clothing in calm versus rough seas	myelopeptide production and early reactions of blood systems cell populations in the presence of immobilization
Armstrong Lecture) p 157 A86-29099	[AD-A158413] p 75 N86-14898	stress populations in the presence of immobilization stress p 49 A86-16752
Effects of gravity on the fluid balance and distribution in man p 214 A86-30383	Human thermoregulatory responses to cold air are altered by repeated cold water immersion	Effect of 24,25-dihydroxyvitamin D3 on osteogenetic
Volume regulating hormones p 214 A86-30384	[AD-A158871] p 68 N86-15904	precursor cells in immobilized rats p 56 N86-15877
Fluid and electrolyte control in simulated and actual	Effects of 9-hour time zone changes on fatigue and	Magnetic separation device [AD-D012163] p 249 N86-25975
spaceflight p 214 A86-30385	circadian rhythms of sleep/wake and core temperature	Influence of erythrocythemia on blood volume and
Changes in functional metabolism in the rat central	[NASA-TM-88197] p 92 N86-16890 Prediction modeling of physiological responses and	thermoregulation during exercise-heat stress
nervous system following spaceflight p 199 A86-30433	human performance in the heat	[AD-A165014] p 289 N86-27916 BONE MINERAL CONTENT
Circadian variation of volume and concentration of	[AD-A160513] p 115 N86-18965	Skeletal mass change as a function of gravitational
orthostatically shifted fluid p 215 A86-30445	Thermovisual indicators of brain response to visual stimuli	loading p 192 A86-30380
Water and electrolytes in human bodies	stimuli p 119 N86-19843 Circadian variation in host defense	Effects of gravitational and muscular loading on bone
p 376 A86-40660	[AD-A161702] p 158 N86-21098	formation in growing rats p 194 A86-30396 Microprobe analysis of epiphyseal plates from Spacelab
Dermal substance collection device [AD-D011848] p 38 N86-12962	Heat acclimatization developed during summer running	3 rats p 204 A86-30469
Endocrine and fluid metabolism in males and females	in northeastern United States [AD-A162728] p 177 N86-22102	Bone maturation in rats flown on the Spacelab-3
of different ages after bedrest, acceleration and lower body	Perceptual and physiological responses during exercise	mission p 205 A86-30479
negative pressure	in cool and cold water	Effects of N,N,N',N'-Ethylenediaminetetramethylene phosphonic acid and
[NASA-TM-58270] p 39 N86-13886 Body position during hypokinesia, and fluid-electrolyte	[AD-A165491] p 283 N86-26800	1-Hydroxyethylidene-1,1-bisphosphonic acid on calcium
metabolism p 60 N86-14853	BODY VOLUME (BIOLOGY)  Biochemical response to chronic shortening in unloaded	absorption, plasma calcium, longitudinal bone growth, and
Circulatory and thermoregulatory actions of hydration	soleus muscles p 3 A86-12380	bone histology in the growing rat p 374 A86-43444 Role of carbonic anhydrase in bone resorption induced
during exercise-heat stress	A fundamental problem in determining functional	by 1,25 dihydroxyvitamin D3 in vitro p 375 A86-43449
[AD-A158440] p 63 N86-14875 A multi-isotope procedure for simultaneously estimating	residual capacity or residual volume of lungs p 281 A86-39099	Role of carbonic anhydrase in bone resorption induced
the volume of body fluid compartments of swine	The inverse problem in electrocardiography - A model	by prostaglandin E2 in vitro p 375 A86-43453
[AD-A159631] p 64 N86-14881	study of the effects of geometry and conductivity	Changes in physical condition, vestibular function and bone system of rats submitted to long-term rotation
Investigation of possibility of using two-frequency impedometry for estimation of proportion of total and	parameters on the reconstruction of epicardial potentials	p 54 N86-14857
extracellular body fluids p 66 N86-15888	p 394 A86-43750 BODY WEIGHT	Method of demonstrating calcium in human foot by
Simultaneous determination of fluid shifts during thermal	Effect of immobilization stress on body weight in rats	neutron activation of (alpha, N)-sources p 287 N86-27899
stress in a small animal model [AD-A159363] p 83 N86-16877	p 81 A86-22324	BONES
[AD-A159363] p 83 N86-16877 Fluid-Electrolyte-Mineral interrelations as affecting work	Effects of body mass and morphology on thermal responses in water p 162 A86-28123	Effects of non weight bearing on callus formation
performance	Skeletal mass change as a function of gravitational	p 193 A86-30394 Morphologic and histochemical studies of bone cells
[AD-A165325] p 282 N86-26799	loading p 192 A86-30380	from SL-3 rats p 205 A86-30473
Human vascular fluid responses to cold stress are not altered by cold acclimation	Health hazard evaluation of liquid monopropellants. Phase 5: Comparative inhalation toxicities of LGP 1776,	Osteocalcin as an indicator of bone metabolism during
[AD-A165869] p 398 N86-30305	LGP 1845, and HAN (hydroxylammonium nitrate)	spaceflight p 205 A86-30474
Special features of surgical intervention under conditions	[AD-A159090] p 40 N86-13891	The effects of prostaglandin E2 in growing rats - increased metaphyseal hard tissue and cortico-endosteal
of weightlessness [AD-A167916] p.423 N86-32092	The influence of individual factors in man on bubble	bone formation p 375 A86-43450
BODY MEASUREMENT (BIOLOGY)	formation in air diving decompression p 125 N86-19881	A survey of aseptic bone negrosis in Turkish sponge
Ultrasonic quantification of blood volume redistribution	Body weight changes before and after submarine	divers, interim report p 124 N86-19871 Early detection and treatment of avascular bone necrosis
under hypergravity [AD-A164379] p 257 N86-25982	patrois	in divers p 124 N86-19872
[AD-A164379] p 257 N86-25982 <b>BODY SIZE (BIOLOGY)</b>	[AD-A161144] p 127 N86-19893 Respiratory response and muscle function during	Effect of weightlessness and some of its models on
A collation of United States Air Force anthropometry	isometric handgrip exercise at high altitude	mechanical properties of animal bones submitted to torsion p.173 N86-21123
[AD-A168485] p 443 N86-33019	[AD-A162003] p 223 N86-24198	torsion p 173 N86-21123 Comparison of bone reactions of rats submitted to
Effect of rhythmic photic interference on working	Fitness and activity assessments among US Army	clinostatic and antiorthostatic hypokinesia
electroencephalogram and efficiency of human	populations: Implications for NCHS general population surveys	p 174 N86-21125
movements p 292 N86-27883	[AD-Á164060] p 257 N86-25980	Description of concept and first feasibility test results
Restraint system for waking Macaca mulatta monkeys during postural tests 0.280 N86-27898	Growth and development of rhesus monkeys exposed	of a life support subsystem of the Botany Facility based
BODY TEMPERATURE p 280 N86-27898	to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life	on water reclamation
Hierarchy of control models for temperature regulation	[AD-A168733] p 417 N86-32953	[SAE PAPER 851397] p 104 A86-23574 Concepts for the life support subsystem in the EURECA
p 22 A86-10158	BONE DEMINERALIZATION	Botany Facility
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695	The skeleton in space p 10 A86-11833 Regulation of bone mineral loss during lactation	[DGLR PAPER 85-126] p 245 A86-34573
Thermal stress imposed on pilots by NBC protective	p 82 A86-22713	USSR Space Life Sciences Digest, issue 4
clothing Nuclear-Biological-Chemical	Effect of rotopositioning on the growth and maturation	[NASA-CR-3922(04)] p 209 N86-23218 BOUNDARIES
p 44 A86-13571	of mandibular bone in immobilized Rhesus monkeys	Neural dynamics of perceptual grouping - Textures,
Effects of raised body temperature on reasoning, memory, and mood p 86 A86-20002	p 106 A86-25659 Anabolic steroids as a countermeasure against bone	boundaries, and emergent segmentations
The effect of short term hypoxia on body temperature	demineralization during space flight p 114 A86-25662	[AD-A165648] p 70 A86-17352 BRADYCARDIA
and lactic acid in blood p 81 A86-22595	Correlated light and electron microscopy of the	Comparison of bradycardia breath-hold on divers and
Afterdrop of body temperature during rewarming - An alternative explanation p 162 A86-28122	vasculature of cortical bone in rat femora and tibiae	nondivers: Its importance for the capacity visit of divers
Influence of exposure to a prolonged hyperdynamic field	p 193 A86-30395 Fertilization, development and spicule formation in sea	p 122 N86-19863
on body temperature in the squirrel monkey	urchins under conditions of constant reorientation relative	Thermovisual indicators of brain reactions to visual
p 200 A86-30439	to the gravitation axis p 195 A86-30406	stimuli p 9 A86-10695

Fertilization, development and spicule formation in sea urchins under conditions of constant reorientation relative to the gravitation axis p 195 A86-30406

Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695

**BRAIN CIRCULATION** Changes in antidromic latencies of medullary respiratory р3 neurons in hypercapnia and hypoxia Catecholamine content of single brain nuclei in August p 3 A86-12521 rats following immobilization stress Proteins and RNA in the neuron-neuroglia system of raphe dorsalis neurons of the ground squirrel brain during p 26 A86-14593 hibernation Brain asymmetry in animals -- Russian book n 50 A86-17467 Responses of cat red-nucleus neurons to auditory signals p 52 A86-18181 The risk of arterial hypertension and the features of functional brain asymmetry in workers employed in regularly repeated expedition-type work .. р 88 А86-22534 Neurons as detectors of errors in the subcortical structures of the human brain p 111 A86-24307 Effects of weightlessness on neurotransmitter receptors p 203 A86-30462 in selected brain areas Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683 The use of brain evoked response in a critical event p 261 A86-33819 detection task Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality A86-33820 p 261 Gamma-aminobutyric acid and bulbar mechanisms of p 246 A86-35941 hemodynamic regulation Effects of pressure on uptake and release of calcium p 247 A86-36225 by brain synaptosomes Changes in the carbohydrate energy metabolism in the p 276 A86-39719 rat brain under laser radiation An anaerobic shift in energy metabolism in the mouse brain during recovery from acute radiation sickness p 276 A86-39720 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Alteration of rat brain catecholamine levels under p 391 A86-43540 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975 TV monitoring control system in electrophysiological p 14 N86-10765 Is the cerebellum involved in motor and perceptual timing: A case study [AD-A157452] acquisition: A program of basic research [AD-A159118] Biocybernetic analysis of a hybrid workload model (AD-A1590331 of echo sional Informativeness ultrasonography of the brain (with use of model) p 66 N86-15887 [DE86-0003171 p 118 N86-18978

p 16 N86-11842 The event related brain potential as an index of information processing, cognitive activity, and skill p 43 N86-13897

p 63 N86-14880

pulsed

Determination of the lumped constant and the kinetic constants for deoxyglucose and fluorodeoxyglucose in

Thermovisual indicators of brain response to visual p 119 N86-19843 stimuli

Biological investigations of adaptive networks. Neuronal ontrol of conditioned responding

p 126 N86-19887 [AD-A160345] Mesolimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology

[AD-A160821] p 136 N86-19900 Cerebral circulation and oxygenation in healthy man

during graded exercise in antiorthostatic position p 173 N86-21120

Rat brain impedance in stationary magnetic field

p 174 N86-21128 Effect of active antiorthostatic conditioning on tolerance to cranial redistribution of blood p 175 N86-21135

Biochemical models for study of nerve cell processes p 209 N86-23223 L-tryptophan administered to chronic sleep-onset

insomiacs: Late-appearing reduction of sleep latency [AD-A163115] p 225 N86-24207 Multidisciplinary studies on excitatory amino acids as

transmitters in the brain [AD-A164258] p 256 N86-25115 Microwave effects on CNS:

histopathologic, ultrastructural and autoradiographic study p 277 N86-27867 [AD-A165040]

Study of brain biochemistry during hypothermia

p 285 N86-27875

**BRAIN CIRCULATION** Headache at high altitude is not related to internal carotid p 8 A86-10108 arterial blood velocity

Non-invasive physiologic brain monitoring in USAF p 85 A86-19332 operational environments

Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment p 87 A86-20410

Changes in the heart rate and in the cerebral vascular tonus affected by alternating physical and mental loads p 89 A86-22535

p 206 A86-30892 Thermoencephaloscopy The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation

p 216 A86-30895 Postradiation regional cerebral blood flow in primates p 373 A86-41786

Circulation and oxygen tension in the brain of wakeful rabbits in conditions leading to motion sickness

p 373 A86-43422 Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of p 392 A86-45320 brain tissue

Effect of hypocapnia on ventral medullary blood flow and pH during hypoxia in cats p 413 A86-47869

Increased resistance of the brain to hypoxia due to a indomethacine lithium hydroxybutyrate p 81 A86-22548

Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of p 392 A86-45320

**BRAIN STEM** Effect of workload on the auditory evoked brainstem p 128 A86-23705

Corticoreticular interactions in the mechanisms of p 208 A86-33071 reflexotherapy Impulse activity of the brain stem neurons related to the cardiac and respiratory rhythms p 246 A86-35940

BREADBOARD MODELS Catalytic distillation water recovery subsystem

[NASA-CR-177382] p 99 N86-16902

BREATHING

Effects of breathing pattern on inspiratory muscle p 86 A86-20003 endurance in humans Ventilatory responses of hamsters and rats to hypoxia p 79 A86-20005 and hypercapnia Synchronization of heart contractions and respiration during thermoregulatory polypnea in dogs

p 245 A86-34490

**BREATHING APPARATUS** 

The ACDAR' - Advanced chemical defense aircrew p 430 A86-47735 respirator Molecular sieve oxygen generation system (MSOGS) nboard the B-1B bomber p 430 A86-47737 onboard the B-1B bomber Psychological problems associated with the wearing of

respiratory protective devices: A review [FOA-C-40216-C2] p p 101 N86-17995

Evaluation of a passenger mask modified with a rebreather bag for protection from smoke and fumes [AD-A162473] Oxygen-liberating mixtures for breathing apparatus

p 241 N86-23264 Evaluation of the use of hydrogen-oxygen as a breathing

das in deep-sea diving p 380 N86-29499 [AD-A165797] Assisted positive pressure breathing and modified

anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute p 408 N86-30341 [FOA-C-50038-H1]

BRIGHTNESS

Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787

Eye movements and spatial pattern vision FAD-A1604081 p 115 N86-18963

BROMINE COMPOUNDS Bimane derivatives as fluorescent probes for biological macromolecules

[AD-A162725] p 160 N86-22088 BRONCHI

A model of inhaled gas and vapor transport in the human lung (AD-A160829)

p 117 N86-18976 BUBBLES

Tissue gas bubble dynamics during hypobaric exposures

[SAE PAPER 851337] D 111 A86-23525 On the use of a bubble formation model to calculate diving tables p 114 A86-25658 The relationship of intravascular bubbles to bends at

lititude p 418 A86-47765
Ultrasonic detection of circulating bubbles in ewes altitude exposed to simulated dives deeper than 800 msw under

isobaric conditions and with unchanged gas mixtures p 125 N86-19882 Less bubble formation in women divers

p 126 N86-19883

How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310

The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Low temperature inflator apparatus

[AD-D011810] p 45 N86-12974 **BURNS (INJURIES)** 

Microcirculatory changes in rats with burn shock

following adaptation to high-altitude hypoxia

BUTYRIC ACID

Gamma-aminobutyric acid and bulbar mechanisms of hemodynamic regulation p 246 A86-35941

C

#### CABIN ATMOSPHERES

Dynamics of the salivary electrolyte composition and renal excretory function during human adaptation to an altered gaseous environment p 216 A86-30899 New developments in on board oxygen generators p 430 A86-47740

Development of a portable oxygen system analyze n 430 A86-47742

Enhanced metabolic response to caffeine in p 7 A86-10106 exercise-trained human subjects Performance overnight in shiftworkers operating a ay-night schedule p 179 A86-29095 Reduction of circadian disruption following surgery by day-night schedule ingestion of caffeine in the laboratory rat

p 201 A86-30447

CALCIFEROL

A maternal defect is responsible for growth failure in vitamin D-deficient rat pups p 52 A86-18398 Vitamin D-deficient rats produce reduced quantities of p 52 A86-18399 a nutritionally adequate milk 1,25-dihydroxyvitamin D3 normalizes maternal food consumption and pup growth in rats p 52 A86-18400 Regulation of bone mineral loss during lactation

p 82 A86-22713 Effect of simulated weightlessness and chronic Effect of simulated weightlessiness 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425 1.25-Dihvdroxvvitamin D3 receptors in space-flown vs

grounded control rat kidneys p 204 A86-30472 Role of carbonic anhydrase in bone resorption induced by 1,25 dihydroxyvitamin D3 in vitro p 375 A86-43449 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877 Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations AD-A1662921 p.398 N86-30306 CALCIFICATION

Morphogenesis and calcification of the statoconia in the chick (Gallus domesticus) embryo - Implications for future p 195 A86-30405 Diffuse pulmonary ossification and spontaneous pneumothorax in a pilot - A case report

p 395 A86-44093 In vitro comparison of zinc phosphate and class

ionomers ability to inhibit decalcification under and adjacent to orthodontic bands [AD-A160881] p 127 N86-19889

CALCIUM

Cytochemical localization of calcium in cap cells of rimary roots of Zea mays L p 197 A86-30418 primary roots of Zea mays L Controlled environment life Calcium-related leaf injuries on plants support [NASA-CR-176288] p 6 N86-11829 Role of Ca(2+)/calmodulin in phosphorylation of

proteins in plants [DE86-001804] p 158 N86-21099

Role of vitamin D3 active metabolites in regulation of calcium metabolism in hypokinetic rats p 174 N86-21124

The effects of ketamine on Rhesus monkey skeletal dynamics [AD-A162848] p 213 N86-24189

Chemically induced damage to the hippocampal formation p 255 N86-25112 (NDRE/PUBL-86/1002)

Method of demonstrating calcium in human foot by neutron activation of (alpha, N)-sources p 287 N86-27899

CALCIUM METABOLISM A maternal defect is responsible for growth failure in p 52 A86-18398

vitamin D-deficient rat pups Vitamin D-deficient rats produce reduced quantities of p 52 A86-18399 a nutritionally adequate milk 1,25-dihydroxyvitamin D3 normalizes maternal food consumption and pup growth in rats p 52 A86-18400 Calcium antagonists in the prevention of motion

p 87 A86-20405 Regulation of bone mineral loss during lactation

p 82 A86-22713

SUBJECT INDEX
Mechanisms of calcium permeability changes in the
sarcolemma of vascular smooth-muscle cells during
hypoxia p 157 A86-29257 Spaceflight and calcium metabolism
p 192 A86-30378
Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots
p 196 A86-30412
Immunocytochemical localization of calmodulin in pea root caps and plumules and its relevance to hypothesis
on gravitropism p 197 A86-30419
The calcium dependence of auxin action in roots p 197 A86-30421
Correlated changes in calmodulin activity and gravitropic sensitivity in roots of maize p 197 A86-30422
Localization of calcium stimulated adenosine
triphosphatase activity in blood vessels of the skeleton p 197 A86-30424
Effect of simulated weightlessness and chronic
1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425
Changes in skeletal muscle properties following hindlimb
suspension p 198 A86-30428 Electron microprobe analyses of Ca, S, Mg and P
distribution in incisors of Spacelab-3 rats
p 202 A86-30455 1,25-Dihydroxyvitamin D3 receptors in space-flown vs.
grounded control rat kidneys p 204 A86-30472 Osteocalcin as an indicator of bone metabolism during
spaceflight p 205 A86-30474
Bone maturation in rats flown on the Spacelab-3 mission p 205 A86-30479
Effects of pressure on uptake and release of calcium
The effect of electromagnetic radiation in the decimeter
wavelength range on the neuronal calcium current in mollusks p 247 A86-36494
Exercise conditioning increases rat myocardial calcium
uptake p 276 A86-39097 Effects of N,N,N',N'-Ethylenediaminetetramethylene
phosphonic acid and 1-Hydroxyethylidene-1,1-bisphosphonic acid on calcium
absorption, plasma calcium, longitudinal bone growth, and
bone histology in the growing rat p 374 A86-43444 Role of carbonic anhydrase in bone resorption induced
by 1,25 dihydroxyvitamin D3 in vitro p 375 A86-43449
acetazolamide concentrations associated with inhibition
of bone loss p 375 A86-43454 Status of calcium metabolism in coal miners with
vibration sickness p 220 N86-23251
ultrastructural and autoradiographic study
[AD-A165040] p 277 N86-27867 Calcium and vitamin D metabolism in submariners:
Carbon dioxide, sunlight and absorption considerations
CALCIUM PHOSPHATES
Template-directed oligonucleotide ligation on hydroxylapatite p 393 A86-45960
CALIBRATING
Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617
Effects of 60 Hz electric field on operant and social stress behaviors of nonhuman primates
[DE85-016121] p 411 N86-30346
The development and evaluation of color systems for airborne applications: Fundamental visual, perceptual and
display systems considerations
CAMERAS
Teleoperator human factors study [NASA-CR-176310] p 23 N86-11854
CANADA
Canadian forces approach to aircrew medical selection p 399 N86-30311
CANADIAN SPACE PROGRAM Canadian medical experiments on Shuttle Flight 41-G
p 110 A86-22996
CANCER Thyroid absorbed dose for people at Rongelap, Utirik
and Sito on March 1, 1954
Quantitative models describing the kinetics of tumor cell

[CWI-AM-R8418]

[AD-A160801]

[DE86-002201]

[DE86-003285]

of radiation in space flight

dynamics for BIOTRAN

p 53

A proposal for a longitudinal study to assess the hazards

EFFECTS: Documentation and verification for a BEIR

3 cancer risk model based on age, sex and population

Radiation induction of cancer of the skin

N86-14844

p 117 N86-18975

p 221 N86-23270

p 226 N86-24210

exposure [DE86-001181] CAPILLARY FLOW performance metabolism stress suspended ret **CARBOHYDRATES** CARBON dioxide reduction [NASA-CR-171907]

CARBON COMPOUNDS

acids

CARBON CYCLE

CARBON DIOXIDE

Amino acids of the Murchison meteorite. II - Five carbon

p 77 A86-19126

p 300 N86-26863

p 103 A86-23225

acyclic primary beta-, gamma-, and delta-amino alkanoic

Energy yields in the prebiotic synthesis of hydrogen cyanide and formaldehyde p 300 N86-26863

Indirect observation by C-13 NMR spectroscopy of a

novel CO2 fixation pathway in methanogens

Late biological effects from internal and external p 278 N86-27868 Method of calculating angular dimensions of flight vehicle cockpit canopy casings CAPILLARIES (ANATOMY) p 76 N86-15886 Solute conductance of blood-gas barrier in hamsters xposed to hyperoxia p 391 A86-44195 Microvascular flow adjustments with postural changes Changes in pericardial microcirculation in dogs during daptation to static muscle loads p 392 A86-45321 p 215 A86-30448 adaptation to static muscle loads CARBOHYDRATE METABOLISM Exercise hyperthermia as a factor limiting physical Temperature effect on p 1 A86-10104 Enhanced metabolic response to to caffeine in p7 A86-10106 exercise-trained human subjects Lactate, pyruvate, and lactate-to-pyruvate ratio during exercise and recovery p8 A86-10110 Muscle metabolism during exercise in the heat in unacclimatized and acclimatized humans p 36 A86-16051 Increased gluconeogenesis in rats exposed to hyper-G p 52 A86-18397 Increased gluconeogenesis in rats exposed to hyper-G p 103 A86-23311 Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content p 106 A86-25660 Changes in glycolytic intermediates in rat erythrocytes during exposure to simulated high altitude p 156 A86-29097 Are there conditions in which adrenalectomy impedes the atrophying effects of denervation? p 194 A86-30397 Possible mechanism for changes in glycogen metabolism in unloaded soleus muscle p 198 A86-30427 Altered carbohydrate metabolism in the whole body p 199 A86-30431 Muscle protein and glycogen responses to recovery from hypogravity and unloading by tail-cast suspension p 202 A86-30457 Effect of elevated FFA on carbohydrate and lipid oxidation during prolonged exercise in humans p 215 A86-30679 Remarkable metabolic availability of oral glucose during long-duration exercise in humans p 216 A86-30684
Epinephrine-induced changes in muscle carbohydrate
metabolism during exercise in male subjects p 280 A86-39092 Changes in the carbohydrate energy metabolism in the rat brain under laser radiation p 276 A86-39719
The contractile function and the energy metabolism of the myocardium under emotional stress and during adaptation of animals to short stress effects p 392 A86-45322 Determining a carbohydrate profile for Hansenula p 82 A86-22710 Obtaining hybridomas that synthesize monoclonal antibodies to polysaccharide of group a streptococcus p 219 N86-23240 Initial development and performance evaluation of a process for formation of dense carbon by pyrolysis of [SAE PAPER 851342] n 138 A86-23520 Improvement in wear performance of surgical Ti-6AI-4V alloy by ion implantation of nitrogen or carbon p 18 N86-11849 Development of a carbon formation reactor for carbon p 46 N86-13898 Carbon exchange between the mantle and the crust and its effect upon the atmosphere: Today compared to p 304 N86-26882 Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments p 304 N86-26883 Enzyme cofactor modified electrodes [AD-A165604] p 375 N86-28607

Development status of regenerable solid amine CO2 [SAE PAPER 851340] n 138 A86-23527 Comparison of CO2 reduction process - Bosch and [SAE PAPER 851343] n 139 A86-23530 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 Man's tolerance to fulminant form of hypoxic hypoxia p 66 N86-15879 Design guidelines for carbon dioxide scrubbers, revision [AD-A1601811 p 147 N86-18989 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Carbon dioxide evolution rate as a method to monitor and control an aerobic biological waste treatment system p 151 N86-19930 Wheat response to CO2 enrichment: CO2 exchanges p 152 N86-19932 transpiration and mineral uptakes Paleosols and the chemical evolution of the p 301 N86-26870 atmosphere Climatic consequences of very high CO2 levels in Earth's early atmosphere p 308 N86-26904 An environmentally-controlled extended-use small nimal hypobaric chamber [AD-A166729] p 398 N86-30307 The effect of breathing elevated CO2 gas mixtures on tracking performance, blood pressure, and subjective tolerance at 1Gz CARBON DIOXIDE CONCENTRATION
Electrochamics 1.005 Electrochemical CO2 concentration for the Space Station Program [SAE PAPER 851341] p 138 A86-23528 The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue ain tissue p 392 A86-45320 Infrared optical measurement of blood gas concentrations and fiber optic catheter AD-D0118361 p 37 N86-12955 CARBON DIOXIDE REMOVAL Performance and endurance testing of a prototype carbon dioxide and humidity control system for Space Shuttle extended mission capability [SAE PAPER 851374] p 140 A86-23557 Elementary design guidelines for CO2 scrubbing with LiOH, technical manual [AD-A168850] p 444 N86-33022 **CARBON ISOTOPES** Carbon isotope discrepancy between Precambrian stromatolites and their modern analogs - Inferences from hypersaline microbial mats of the Sinai Coast p 25 A86-14119 Carbon isotopic fractionation in heterotrophic microbial metabolism p 371 A86-40669 Biomedical research with cyclotron produced radionuclides [DE86-0003271 p 221 N86-23269 CARBON MONOXIDE Photochemical reactions in interstellar grains photolysis of CO, NH3, and H2O Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen oxide p 156 A86-29089
Infrared optical measurement of blood gas dioxide concentrations and fiber optic catheter [AD-D011836] p 37 N86-12955 Hemodynamic parameters as related to different tolerance to head-pelvis accelerations D 61 N86-14859 Effects of carbon monoxide on personnel [AD-P004882] p 163 N86-20628 Effects of air pollution on man p 167 N86-21038 Photolysis products of CO, NH3 aND H2O and their significance to reactions on interstellar grains p 298 N86-26849 Inhalation toxicology. 5: Evaluation of relative toxicity p 277 N86-27866 Factors influencing carboxyhemoglobin stability p 289 N86-27918

CARBON 13	Circadian variations of systolic time intervals	Cardiovascular standards for selection and retention of
Isotopic, petrologic and biogeochemical investigations of banded iron-formations p 305 N86-26885	p 394 A86-44087	high performance pilots in the USAF: Perspectives for the next decade p 399 N86-30313
CARBON 14	The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure	Treadmill spiroergometry in the selection and screening
Use of membrane vesicles as a simplified system for	p 395 A86-44091	of high-performance combat aircraft pilots in the Beligan
studying transport of auxin	Effects of -Gz centrifugal acceleration upon cardiac	Air Force p 401 N86-30325
[DE86-002264] p 209 N86-23219	output of hamster p 415 A86-50290	Relationship of cardiopulmonary fitness to flight performance in tactical aviation p 401 N86-30326
CARBON-CARBON COMPOSITES Standardization of carbon-phenolic composite test	Exploratory studies of physiological components of	performance in tactical aviation p 401 N86-30326 CAROTID SINUS BODY
methodology p 243 N86-24527	motion sickness: Cardiopulmonary differences between high and low susceptibles	Headache at high altitude is not related to internal carotid
CARBONACEOUS CHONDRITES	[NASA-CR-176541] p 171 N86-21108	arterial blood velocity p 8 A86-10108
Boundary structures are formed by organic components	Cardiokymography	Blood circulation changes in the carotid arteries pool
of the Murchison carbonaceous chondrite p 76 A86-16417	[PB86-133790] p 258 N86-25987	caused by antiorthostasis and antiorthostatic hypokinesia p 27 A86-15513
Characterization of biogenic elements in interplanetary	CARDIOVASCULAR SYSTEM	Carotid bodies are required for ventilatory acclimatization
dust particles p 297 N86-26846	Effects of 100 percent oxygen on the cardiovascular	to chronic hypoxia p 206 A86-30682
Origin of life and iron-rich clays p 300 N86-26866	responses to vasoactive compounds in the dog p 2 A86-10255	Effect of dibasol and some of its imidazo analogues
CARBONACEOUS METEORITES Interstellar isomers p 298 N86-26848	Cardiovascular deconditioning during space flight and	on animal tolerance to gravitational accelerations and dynamics of development of postischemic cerebrovascular
Interstellar isomers p 298 N86-26848  CARBONIC ANHYDRASE	the use of saline as a countermeasure to orthostatic	phenomena p 279 N86-27896
Role of carbonic anhydrase in bone - Partial inhibition	intolerance p 8 A86-10257	CAROTID SINUS REFLEX
of disuse atrophy of bone by parenteral acetazolamide	Medical evaluation of cosmonauts - Cardiovascular	Device for rapid quantification of human carotid
p 374 A86-43448	assessment p 11 A86-12428	baroreceptor-cardiac reflex responses
Role of carbonic anhydrase in bone resorption induced by 1,25 dihydroxyvitamin D3 in vitro p 375 A86-43449	The human cardiovascular system in the absence of	p 162 A86-28125 CARTRIDGES
Role of carbonic anhydrase in bone resorption induced	gravity [IAF PAPER 85-315] p 35 A86-15825	Low temperature inflator apparatus
by prostaglandin E2 in vitro p 375 A86-43453	Spacelab life sciences flight experiments - An integrated	[AD-D011810] p 45 N86-12974
CARBONYL COMPOUNDS	approach to the study of cardiovascular deconditioning	CASE HISTORIES
Topical hazard evaluation program of Candidate Insect	and orthostatic hypotension	Mourning and traumatic neuroses - Clinical aspects and
repellent Al3-35770 Hexahydro-1-( (2-Methylcyclohexyl)	[IAF PAPER 85-316] p 36 A86-15826	aeronautical incidents for one helicopter pilot p 40 A86-13569
Carbonyl)-1-H-Azepine [AD-A158386] p 68 N86-15903	The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography	Recurrent serious otitis in a reconnaissance pilot - The
The role of the oceans in the atmospheric cycle of	p 58 A86-18547	consequences for his career p 112 A86-24506
carbonyl sulfide p 277 N86-26796	Effects of detraining on cardiovascular responses to	Hysterical deafness - An unusual presentation of stress
CARBOXYHEMOGLOBIN	exercise - Role of blood volume p 91 A86-22665	in an air traffic control officer p 180 A86-29098
Factors influencing carboxyhemoglobin stability [AD-A165032] p 289 N86-27918	Cardiovascular receptors and fluid volume control (1985	CASING  Method of calculating angular dimensions of flight
CARCINOGENS	Armstrong Lecture) p 157 A86-29099 Analysis of the potential association between	vehicle cockpit canopy casings p 76 N86-15886
Electron reactions in model and biological systems	noise-induced hearing loss and cardiovascular disease in	CASUALTIES
[DE85-016062] p 55 N86-15861	USAF aircrew members p 250 A86-33760	Drugs of abuse in aviation fatalities. 1: Marijuana
Bioassay of military relevant compounds for	Cardiovascular dynamics associated with tolerance to	[AD-A161911] p 223 N86-24196
carcinogenic activity by the strain A mouse lung tumor bioassay	lower body negative pressure p 253 A86-36310	A lightweight impermeable suit for chemical protection in warm conditions: A preliminary look at the concept
[AD-A156772] p 93 N86-17981	Longitudinal study of cardiovascular disease in U.S. Navy pilots p 253 A86-36314	[AD-A164687] p 295 N86-26839
The experimental determination of safe atmospheric	Cardiovascular epidemiology, exercise, and health -	CATABOLISM
exposure concentrations of JP-10 jet fuel	40-year followup of the U.S. Navy's '1000 aviators'	Long duration confinement of aquatic organisms in
[AD-A163179] p 258 N86-25985	p 378 A86-41789	weightlessness (aquaspace) p 389 N86-29531
CARDIAC VENTRICLES	Ergometric examination of the cardiovascular system	CATALYSIS  BNA catalysis and the origin of life
Complete right branch blocking and the flight fitness of pilots p 31 A86-13567	in flight personnel p 421 A86-49370 Capacity for work and hemodynamics in males residing	RNA catalysis and the origin of life p 372 A86-41043
Heat acclimation - Cardiac performance of isolated rat	at middle and high latitudes p 13 N86-10747	Catalytic distillation water recovery subsystem
heart p 82 A86-22663	Individual typological self-regulation of cardio-vascular	[NASA-CR-177382] p 99 N86-16902
A practical attitude toward ventricular repolarization	system p 13 N86-10752	Protobiological informatoin, bidirectional recognition and
abnormalities in flight crews p 282 A86-39773	Classification of changes in electrocardiogram during	reverse translation p 303 N86-26878 CATALYSTS
Intraventricular conduction disturbances in flying personnel Right bundle branch block	muscular exertion of healthy individuals p 14 N86-10755	Wet oxidation of a spacecraft model waste
p 378 A86-41788	The effect of spironolactone on the cardiocirculatory	[SAE PAPER 851372] p 140 A86-23555
CARDIOGRAPHY	responses to upright tilt at sea level and at simulated high	Biotechnica '85 International Congress for
Automatic determination of cardiac output from	altitude	Biotechnology
rheogram of the trunk p 66 N86-15889 CARDIOLOGY	[AD-A157734] p 39 N86-13887	[AD-A165415] p 276 N86-26794 Cooperation of catalysts and templates
Noninvasive Doppler determination of cardiac output	Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months	p 301 N86-26871
during submaximal and peak exercise	p 54 N86-14856	Stereoselective aminoacylation of RNA
p 21 A86-10102	Effect of level of physical activity on lipid metabolism	p 302 N86-26875
Cardiac response of submaximal exercise in dogs	of flight personnel p 65 N86-15871	Biosynthetic porphyrins and the origin of
susceptible to sudden cardiac death p 1 A86-10107 Electrocardiographic changes in serious decompression	Cerebral circulation and oxygenation in healthy man	photosynthesis p 306 N86-26894 CATALYTIC ACTIVITY
sickness	during graded exercise in antiorthostatic position p 173 N86-21120	Polyribonucleic acids as enzymes p 155 A86-27051
[AD-A160944] p 2 A86-10254	Condition of cardiovascular system in presence of acute	Micellar enzymology p 109 N86-19831
Medical evaluation of cosmonauts - Cardiovascular	mountain sickness p 174 N86-21127	CATARACTS
assessment p 11 A86-12428	Experimental arrhythmia and its prevention	Fluorescent-polarization properties of chromophores of
The environment and the heart Russian book p 25 A86-13460	p 174 N86-21129  Effect of active anticythoctatic conditioning on telegrapes	water-soluble proteins of normal and cataractal human lens p 118 N86-19832
Cardiorespiratory fitness and cognitive performance	Effect of active antiorthostatic conditioning on tolerance to cranial redistribution of blood p 175 N86-21135	CATECHOLAMINE
before and after confinement in a nuclear submarine	Electrocardiogram in NEHB type leads of Macaca	Age-related augmentation of plasma catecholamines
p 32 A86-14317	mulatta monkeys p 175 N86-21137	during dynamic exercise in healthy males
Unsteady blood flow in humans under artificial conditions	The role of endorphins in the pathophysiology of	p 10 A86-12376
Russian book p 33 A86-15443	hemorrhagic and endotoxic shock in the subhuman	Catecholamine content of single brain nuclei in August
The effects of +Gz on the coronary circulation - A review p 86 A86-20401	primate [AD-A162483] p 177 N86-22100	rats following immobilization stress p 3 A86-12521
Laser ablation of human atherosclerotic plaque without	Characteristics of medically disqualified airman	Comparative analysis of corticosteroid and
adjacent tissue injury p 91 A86-22711	applicants in calendar years 1982 and 1983	catecholamine levels excreted in urine of persons with different occupations p 34 A86-15520
Mitral valve prolapse in a young person - An estimation	[AD-A162209] p 224 N86-24201	Changes in catecholamine excretion during physical and
of the risk of arrhythmia - The impact on the flight fitness	Ultrasonic quantification of blood volume redistribution	mental workload p 161 A86-28099
of a pilot p 113 A86-24510	under hypergravity [AD-A164379] p 257 N86-25982	Investigation of mechanisms of the radioprotective effect
Cardiorespiratory responses to lower body negative	Urinary and hematological indices of hypohydration	of agonists of catecholamine receptors - Involvement of
pressure and tilt tests after exposure to simulated weightlessness p 215 A86-30387	[AD-A165015] p 289 N86-27917	both subtypes of alpha-adrenoreceptors in the
Antioxidants as antiarrhythmic remedies	Factors influencing carboxyhemoglobin stability	radioprotective effect p 208 A86-32698 Alteration of rat brain catecholamine levels under
p 246 A86-35938	[AD-A165032] p 289 N86-27918	hypoxia p 391 A86-43540
Exercise conditioning increases rat myocardial calcium	Effects of simulated weightlessness on regional blood flow specifically during cardiovascular stress	Investigation of catecholamine metabolism at high
uptake p 276 A86-39097	[NASA-CR-177117] p 379 N86-29495	altitudes p 66 N86-15880
An automated system for ST segment and arrhythmia	Medical Selection and Physiological Training of Future	Human thermoregulatory responses to cold air are
analysis in exercise radionuclide ventriculography	Fighter Aircrew	altered by repeated cold water immersion
p 377 A86-41400	[AGARD-CP-396] p 398 N86-30309	[AD-A158871] p 68 N86-15904

Han of house to the same		CEREBHAL CORTEX
Use of tyrosine or foods to amplify catecholamine release	Dose distribution and the relative biological effectiveness	District the second
	of internal alpha emitters	Photochemical reactions of various model protocell
	[DE85-013041] 0.17 Nec 11046	systems p 303 N86-26879
Effects of 24 h sleep deprivation on biogenic amine metabolism	New physical methods for biological serosol detection	Microbial contributions to the Precambrian Earth
	[/D*/1302 [0] n 20 Noc 10004	p 307 N86-26899
The role of endorphins in the pathophysiology of	Cellular effects of electromagnetic radiation	Biological effects of ionizing radiation
hemorrhagic and endotoxic shock in the subhuman primate	[AU-A15854/] p.63 N86-14878	p 288 N86-27909
[ AD A4004003	Freezing of living cells	Biotechnology: The US Department of Agriculture's
[AD-A162483] p 177 N86-22100	[DE85-016297] p 55 N86-15862	biotechnology research efforts
CATHODE RAY TUBES	Investigation of distinctions referable to growth,	[GAO/RCED-86-39BR] p 376 N86-29494
Effect of vibration on the readability of color CRT	development and metabolism of Clostorionsis asis, design	Investigations of Paramecium cells analyzed under
displays	alyae witeri cells are limited in nitrogen as related to	microgravity conditions p 387 N86-29518
[SAE PAPER 841466] p 146 A86-26009	biological life-support systems for man	Effects of simulated weightlessness on majoria
Effects of adaptation and display luminance on CRT	p 57 N86-15883	Fertilization, and early development in mice
symbol recognition time p 240 A86-32315	Physico-chemical studies of radiation effects in cells	[NASA-CR-177106] p 410 N86-30342
Minimum colour differences required to recognise small	DE03-0 1400   D 03 N00 10070	Guard cell biochemistry: Response to environmental
objects on a colour CRT p 240 A86-32316	Models for biomedical research: A new perspective	stimuli causing changes in gas exchange
The detection of various color combinations under	p 83 N86-16880	[DE86-010287] p 416 N86-32086
different chromatic ambient illuminations	Advances in nerve cell research p 91 N86-16882	CELLULOSE NITRATE
p 378 A86-41783	Dynamics of peroxide oxidation of lipids during stress	Acute oral toxicity (LD50) of guanidine hydrochloride in
Team performance with large and small screen	n 83 N96 16000	rats
displays	Improved monoclonal antibodies to halodeoxyuridine	[AD-A165747] p 376 N86-28608
[AD-A158761] p 75 N86-14899	[DE03-017/64] D 02 N06 16001	CEMENTS
Absolute	Clonal analysis of HLA-DR and -dQ associated	China report: Science and technology
estimation to convey information through symbol	determinants: Their contribution to dw specificities	
magnitude changes in CRT displays	[AD-A160059] p 84 N86-17977	
	Metabolism of T-2 mycotoxin by cultured cells	In vitro comparison of zinc phosphate and glass
[AC-A167059] p 434 N86-32103	[AD-A1596/8] D 107 Nec 19061	ionomers ability to inhibit decalcification under and adjacent to orthodontic bands
Effects of cation ions in nerve excitation	Rapid identification of micro-organisms	[AD A4000043
	[AD-A159945] p 107 N86-18952	
CATS p 37 N86-12377	Sequence polymorphism of HLA-DR beta 1 alleles	CENTRAL NERVOUS SYSTEM
Studies on information processing mechanisms in the	TAD A1600031	Changes in functional metabolism in the rat central
central visual system of the cat	[AD-A160237] p 107 N86-18956	nervous system following spaceflight
[EL-861] p 277 N86-27865	A survey of aseptic bone negrosis in Turkish sponge	p 199 A86-30433
Resistance, exchange, and capacitance functions of	divers, interim report p 124 N86-19871	The mechanisms of the effect of nonionizing radiation
skeletal muscle vessels in acute hypoxic hypoxia	Early detection and treatment of avascular bone necrosis	on an organism's sensory systems p 276 A86-39721
p 379 N86-28611	in divers p 124 N86-19872	Homocarnosin in rat brain during adaptation to cold
CAVITIES P 379 1400-20011	Condition of thyroid gland and C cells during long-term	p 5 N86-10762
Forward field autotransfusion device	rotation (morphological and biochemical investigation)	Cognitive science program: Dissociation of the control
[AD-D011763] p 37 N86-12957	P 174 N86-21126	timekeeper and the peripheral implementation processes
Biosensors from membrane proteins reconstituted in	Research opportunities on immunocompetence in space	in repetitive movements
polymerized lipid bilayers	INIACA OD 4704003	[AD-A157542] p 21 N86-11852
[AD-D012160] p 248 N86-25974	[NASA-CR-176482] p 180 N86-21138	Peptides and memory p 95 N86-16884
A chinchilla restraint system	Proceedings: Protons and Membrane Reactions held	Chemically induced damage to the hippocampal
[AD-A167408] p 416 N86-32084	at Santa Barbara, California on 28 January - 1 February 1985	formation
CELL DIVISION	(AD Ateanna)	[NDRE/PUBL-86/1002] p 255 N86-25112
Structural correlates of aging in Drosophila - Relevance	Suppression of antibards (a) p 159 N86-22082	Multidisciplinary studies on excitatory amino acids as
to the cell differentiation, rate-of-living and free radical	Suppression of antibody forming cells by muramyl Di-peptides	transmitters in the brain
theories of aging p 415 A86-49999	[AD 44004003	[AD 44040503
Raman activity in synchronously dividing bacteria	[AD-A162400] p 159 N86-22084	
[UE65-0156/2] n 28 N86-12061	Molecular and biological properties of an	Microwave effects on CNS: A histopathologic,
Quantitative models describing the kinetics of tumor cell	immunopotentiating complex polysaccharide adjuvant	ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867
proliferation: A comparison to experimental data	produced by a gliding bacterium [AD-A162664] p. 160, NR6-22086	
[CWI-AM-R8418] p 53 N86-14844		Acute oral toxicity (LD50) of guanidine hydrochloride in
Effects of simulated weightlessness on majoria	Development and use of anucleated bacterial cells to	rats
Fertilization, and early development in mice	assay the in vivo activity of pollutants [AD-A162727] p. 160 N86-22080	[AD-A165747] p 376 N86-28608
[NASA-CR-177106] p 410 N86-30342	[AD-A162727] p 160 N86-22089	CENTRAL NERVOUS SYSTEM STIMULANTS
CELLS (BIOLOGY)	Use of membrane vesicles as a simplified system for studying transport of auxin	The effect of centedrin on the work capacity of
Molecular mechanisms of cell death induced by radiation	(DEGC 00000 tr	operators p 426 A86-49371
nussian dook n 27 Age 15474	p 209 N86-23219	CENTRIFUGAL FORCE
Peptidoglycan envelope in the cyanelles of Glaucocystis	Interaction of asialoglycoprotein receptor of hepatocytes	Dynamic behaviour of spherical and aspherical contact
nostochinearum n.51 Are-19020	with chemically galactosilated acid alpha-glucosidase	lenses exposed to +Gz-acceleration forces
The electrokinetic properties of cell nuclei in the human	P 210 N86-23224	p 294 N86-26816
buccal epithelium in conditions of motion sickness and	Discovery regarding electron redistribution among cell membranes	CENTRIFUGING STRESS
TIYPOXIA 0.00 ASS 32540	Obtaining hybridomas that synthesize monoclonal	Increased gluconeogenesis in rats exposed to hyper-G
Intracellular pH shift leads to microtubule assembly and	antibodies to polysaccharide of group a streptococcus	Stress p 52 A86-18397
IIICTQUDUIE-Mediated motility during eas urobin fortilination	P 310 Nos considered of group a Streptococcus	Skeletal mass change as a function of gravitational
- Correlations between elevated intracellular at and	p 219 N86-23240 Study of cell-wall antigen determinants in ribosomal	loading n 192 Ass_30390
microtubule activity and depressed intracellular nH and	preparations of group a streptococcus	Animal models of motion sickness - Are nonemetic
I IIICIOLUDUIO DISASSOMDIV D. 82 A86.22700	p 220 N86-23243	Species an appropriate choice? n 193 Ass. 20202
Early mammalian development under conditions of	Standardization of conditions for measuring intensity of	Growth and development of mice and rate conceived
reorientation relative to the gravity vector	specific fluorescence in continuous cell cultures infected	and reared at different G-intensities during chronic
n 194 Age 20200	with variants of Japanese encephalitis virus	Centinugation n 195 Ass. 20402
Simulated hypogravity and synaptogenesis in culture	p 211 N86-23255	Influence of exposure to a prolonged hyperdynamic field
n 194 A86-20404	P 2 1 1400-23233	on body temperature in the squirrel monkey
	Biosensors from membrane proteins reconstitutes	- Squire monkey
Evidences for changes in sensitivity to auxin and in	Biosensors from membrane proteins reconstituted in polymerized lioid bilayers	n 200 A86-20420
cell-wall properties during gravitropic bending of dicot	polymerized lipid bilayers	p 200 A86-30439 Effects of -Gz centrifugal acceleration upon cardiac
stems properties during gravitropic bending of dicot	polymerized lipid bilayers [AD-D012160] p 248 N86-25974	p 200 A86-30439 Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409 Cytochemical localization of calcium in cap cells of	polymerized lipid bilayers [AD-D012160] p 248 N86-25974  Magnetic separation device	p 200 A86-30439 Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290 CEREBELLUM
terms properties during gravitropic bending of dicot properties from p 196 A86-30409 Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30419	polymerized lipid bilayers [AD-D012160] p 248 N86-25974 Magnetic separation device [AD-D012163] p 249 N86-25975	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CEREBELLUM  Electrical activity of cerebellum in the wakefulness-sleep
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409 Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation	polymerized lipid bilayers [AD-D012160] p 248 N86-25974 Magnetic separation device [AD-D012163] p 249 N86-25975 DNA analysis of epithelial cell suspensions	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CEREBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409 Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation	Polymerized lipid bilayers	P 200 A86-30439  Effects of -Gz centrifugal acceleration upon cardiac output of hamster  CEREBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle  ls the cerebellum involved in motor and percentual
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409 Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation p 201 A86-30444 Morphology of human embryonic kidney cells in culture	Polymerized lipid bilayers	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CEREBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle p 157 A86-29255 Is the cerebellum involved in motor and perceptual timing: A case study
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409 Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation p 201 A86-30444 Morphology of human embryonic kidney cells in culture after space flight	polymerized lipid bilayers [AD-D012160]	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CERBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle p 157 A86-29255 Is the cerebellum involved in motor and perceptual timing: A case study  [AD-A157452] p 16 N86-11842
cell-wall properties during gravitropic bending of dicot stems  Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418  Tissue culture apparatus for flight experimentation p 201 A86-30444  Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452  Microgravity associated changes in civitiesy grouth	Polymerized lipid bilayers   Parameter   Parameter	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CEREBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle p 157 A86-29255  Is the cerebellum involved in motor and perceptual timing: A case study  [AD-A157452] p 16 N86-11842  Biological investigations of adaptive networks. Neuronal
cell-wall properties during gravitropic bending of dicot stems  Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418  Tissue culture apparatus for flight experimentation p 201 A86-30444  Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space	Polymerized lipid bilayers	Effects of -Gz centrifugal acceleration upon cardiac output of hamster  CEREBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle  yckle  Is the cerebellum involved in motor and perceptual timing: A case study  [AD-A157452]  Biological investigations of adaptive networks. Neuronal control of conditioned responding
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409 Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation p 201 A86-30444 Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452 Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3	Polymerized lipid bilayers   Polymerized lipid bilayers	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CERBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle p 157 A86-29255  Is the cerebellum involved in motor and perceptual timing: A case study  [AD-A157452] p 16 N86-11842  Biological investigations of adaptive networks. Neuronal control of conditioned responding  [AD-A160345] p 126 N86-19887
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409 Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation p 201 A86-30444 Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452 Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Morphologic and histochemical studies of bone cells	polymerized lipid bilayers [AD-D012160] p 248 N86-25974  Magnetic separation device [AD-D012163] p 249 N86-25975  DNA analysis of epithelial cell suspensions [DE86-002403] p 249 N86-25977  Macrophage structure and function [AD-A163314] p 276 N86-26793  Biotechnica '85 International Congress for Biotechnology [AD-A165415] p 276 N86-26794  Fluid-Electrolyte-Mineral interrelations as affecting work	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CEREBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle p 157 A86-29255  Is the cerebellum involved in motor and perceptual timing: A case study  [AD-A157452] p 16 N86-11842  Biological investigations of adaptive networks. Neuronal control of conditioned responding  [AD-A160345] p 126 N86-19887  CEREBRAL CORTEX
cell-wall properties during gravitropic bending of dicot stems Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation p 201 A86-30444 Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452 Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3  Morphologic and histochemical studies of bone cells from SL-3 rats	Polymerized lipid bilayers   Polymerized lipid bilayers	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CEREBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle p 157 A86-29255  Is the cerebellum involved in motor and perceptual timing: A case study  [AD-A157452] p 16 N86-11842  Biological investigations of adaptive networks. Neuronal control of conditioned responding  [AD-A160345] p 126 N86-19887  CEREBRAL CORTEX  Encoding of spatial location by posterior parietal
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409 Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation p 201 A86-30444 Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452 Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Morphologic and histochemical studies of bone cells from SL-3 rats Enhancing effects of gamma interferon on phaeocytic	polymerized lipid bilayers [AD-D012160] p 248 N86-25974  Magnetic separation device [AD-D012163] p 249 N86-25975  DNA analysis of epithelial cell suspensions [DE86-002403] p 249 N86-25977  Macrophage structure and function [AD-A163314] p 276 N86-26793  Biotechnica '85 International Congress for Biotechnology [AD-A165415] p 276 N86-26794  Fluid-Electrolyte-Mineral interrelations as affecting work performance	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CERBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle p 157 A86-29255  Is the cerebellum involved in motor and perceptual timing: A case study  [AD-A157452] p 16 N86-11842  Biological investigations of adaptive networks. Neuronal control of conditioned responding  [AD-A160345] p 126 N86-19887  CEREBRAL CORTEX  Encoding of spatial location by posterior parietal neurons
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409 Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation p 201 A86-30444 Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452 Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Morphologic and histochemical studies of bone cells from SL-3 rats p 205 A86-30473 Enhancing effects of gamma interferon on phagocytic cell association with and killing of Trypanosoma cruzi	Dolymerized lipid bilayers   P 248   N86-25974	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CEREBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle p 157 A86-29255  Is the cerebellum involved in motor and perceptual timing: A case study  [AD-A157452] p 16 N86-11842  Biological investigations of adaptive networks. Neuronal control of conditioned responding  [AD-A160345] p 126 N86-19887  CEREBRAL CORTEX  Encoding of spatial location by posterior parietal neurons  Electroencephalograms and the read-out of information
cell-wall properties during gravitropic bending of dicot stems Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation p 201 A86-30444 Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452 Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Morphologic and histochemical studies of bone cells from SL-3 rats p 205 A86-30473 Enhancing effects of gamma interferon on phagocytic cell association with and killing of Trypanosoma cruzi	Dolymerized lipid bilayers   P 248   N86-25974	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CEREBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle p 157 A86-29255  Is the cerebellum involved in motor and perceptual timing: A case study  [AD-A157452] p 16 N86-11842  Biological investigations of adaptive networks. Neuronal control of conditioned responding  [AD-A160345] p 126 N86-19887  CEREBRAL CORTEX  Encoding of spatial location by posterior parietal neurons  p 27 A86-14714  Electroencephalograms and the read-out of information in the visual cortex during image recognition
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409 Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation p 201 A86-30444 Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452 Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Morphologic and histochemical studies of bone cells from SL-3 rats Enhancing effects of gamma interferon on phagocytic cell association with and killing of Trypanosoma cruzi p 371 A86-40666 Somatic cell and molecular genetics approach to DNA	polymerized lipid bilayers [AD-D012160] p 248 N86-25974  Magnetic separation device [AD-D012163] p 249 N86-25975  DNA analysis of epithelial cell suspensions [DE86-002403] p 249 N86-25977  Macrophage structure and function [AD-A163314] p 276 N86-26793  Biotechnica '85 International Congress for Biotechnology [AD-A165415] p 276 N86-26794  Fluid-Electrolyte-Mineral interrelations as affecting work performance [AD-A165325] p 282 N86-26799  Clay energetics in chemical evolution p 301 N86-26867	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CERBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle p 157 A86-29255 is the cerebellum involved in motor and perceptual timing: A case study [AD-A157452] p 16 N86-11842 Biological investigations of adaptive networks. Neuronal control of conditioned responding [AD-A160345] p 126 N86-19887  CERBRAL CORTEX  Encoding of spatial location by posterior parietal neurons p 27 A86-14714 Electroencephalograms and the read-out of information in the visual cortex during image recognition
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409 Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation p 201 A86-30444 Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452 Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Morphologic and histochemical studies of bone cells from SL-3 rats p 205 A86-30473 Enhancing effects of gamma interferon on phagocytic cell association with and killing of Trypanosoma cruzi p 371 A86-40866 Somatic cell and molecular genetics approach to DNA repair and mutagenesis	polymerized lipid bilayers [AD-D012160] p 248 N86-25974  Magnetic separation device [AD-D012163] p 249 N86-25975  DNA analysis of epithelial cell suspensions [DE86-002403] p 249 N86-25977  Macrophage structure and function [AD-A163314] p 276 N86-26793  Biotechnica '85 International Congress for Biotechnology [AD-A165415] p 276 N86-26794  Fluid-Electrolyte-Mineral interrelations as affecting work performance [AD-A165325] p 282 N86-26799  Clay energetics in chemical evolution p 301 N86-26867	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CERBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle p 157 A86-29255 is the cerebellum involved in motor and perceptual timing: A case study  [AD-A157452] p 16 N86-11842  Biological investigations of adaptive networks. Neuronal control of conditioned responding  [AD-A160345] p 126 N86-19887  CERBRAL CORTEX  Encoding of spatial location by posterior parietal neurons p 27 A86-14714  Electroencephalograms and the read-out of information in the visual cortex during image recognition  p 33 A86-15512  Comparison of transient and steady state cortical evoked
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409 Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 Tissue culture apparatus for flight experimentation p 201 A86-30444 Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452 Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Morphologic and histochemical studies of bone cells from SL-3 rats Enhancing effects of gamma interferon on phagocytic cell association with and killing of Trypanosoma cruzi p 371 A86-40666 Somatic cell and molecular genetics approach to DNA	Dolymerized lipid bilayers   P 248   N86-25974	Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290  CERBELLUM  Electrical activity of cerebellum in the wakefulness-sleep cycle p 157 A86-29255 is the cerebellum involved in motor and perceptual timing: A case study  [AD-A157452] p 16 N86-11842  Biological investigations of adaptive networks. Neuronal control of conditioned responding  [AD-A160345] p 126 N86-19887  CERBRAL CORTEX  Encoding of spatial location by posterior parietal neurons p 27 A86-14714  Electroencephalograms and the read-out of information in the visual cortex during image recognition

**CEREBROSPINAL FLUID** Neuronal responses and the evoked potentials in subcortical structures of the human brain during visual recognition. II - The effect of stimuli relevance on the p 216 A86-30894 evoked neuronal responses Role of dopaminergic systems of neostriatum during the activity of the central nervous system in man and p 208 A86-33070 Corticoreticular interactions in the mechanisms of p 208 A86-33071 reflexotherapy The effects of cerebral hypoxia and hyperventilatory hypocapnia on the epileptiform activity in the cerebral p 392 A86-45318 cortex of cats Spectral-correlation characteristics of EEG in the course of short-term memory tests. I - A study of spectral-correlation parameters of the potentials in the human neocortex during correct short-term memorizing p 419 A86-49263 Cortical plasticity: Theoretical analysis, experimental results [AD-A157965] p 38 N86-12961 The first cortical implant of a semiconductor multielectrode array. VER (Visual Evoked Responses) and propagation analysis p 248 N86-25972 [AD-A164015] Information processing in mammalian visual cortex p 376 N86-28609 [AD-A165832] Novel architectures for image processing based on computer simulation and psychophysical studies of human visual cortex p 404 N86-30333 [AD-A166222] Neurophysiological research supporting the investigation of adaptive network architectures p 405 N86-31216 [AD-A166074] Peripheral nerve injury in developing rats reorganizes [AD-A1680191 p 417 N86-32952 Analytical comparison of transient and steady state isual evoked cortical potentials p 436 N86-32978 **CEREBROSPINAL FLUID** Informativeness signal in of pulsed ultrasonography of the brain (with use of model) p 66 N86-15887 CEREBRUM Visual hemispheric specialization: A computational theory p 235 N86-23279 Peripheral nerve injury in developing rats reorganizes motor cortex p 417 N86-32952 [AD-A168019] Effects of high altitude on neurological and pulmonary function: The effect of high altitude on visual evoked potentials in humans on Mt. Everest p 424 N86-32959 [AD-A168335] CERTIFICATION pilot [SAE PAPER 841468] p 132 A86-26013 CHANGE DETECTION The detection and identification of pictorial changes between successive presentations CHARGED PARTICLES

The training and certification of the general aviation

p 129 A86-23721

Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886

CHARTS

Vision test chart and method using Gaussians p 20 N86-10778 (AD-D011756)

CHEMICAL ANALYSIS Determining a carbohydrate profile for Hansenula plymorpha p 82 A86-22710 Water quality monitor for recovered spacecraft water polymorpha [SAE PAPER 851347]

Infrared optical measurement of blood occontrations and 655 concentrations and fiber optic catheter p 37 N86-12955 [AD-D011836] Design, construction and testing of a dc bioeffects enclosure for small animals

[DE05-016798] p 29 N86-13883 Protein mapping and the problem of complexity in molecular biology

[DE85-018349] p 85 N86-17979 A study of the flight environment component of aircrew fatigue in student navigators

[AD-A1607961 p 117 N86-18973 Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833 Investigation of the method to determine carboxyhaemoglobin in blood

TAD-A1610611 p 127 N86-19892 Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846 The organic aerosols of Titan p 298 N86-26852

The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853

Molecular and Elemental Dust Analyzer (MEDA) for the comet rendezvous asteroid flyby mission p 299 N86-26857

Miniature metastable ionization detectors for exobiology p 299 N86-26859 flight experiments multiplex gas chromatography: A novel analytical technique for future planetary studies p 299 N86-26860

ion Mobility Drift Spectrometer (IMDS) as a flight p 300 N86-26861 analytical instrument technique Synthesis and analysis in studies of chemical p 300 N86-26864 evolution Factors influencing carboxyhemoglobin stability

p 289 N86-27918 [AD-A165032]

CHEMICAL COMPOSITION

Dermal substance collection device

(AD-D011848) p 38 N86-12962 Molecular mechanisms of mutagenesis determined by

the recombinant DNA technology p 30 N86-13884 [DE85-016353] Investigation of microflora of chufa, a potential higher

plant component of biological life-support systems for p 57 N86-15882 man Comparative analysis of biomass pyrolysis condensates

[DE86-001773] p 159 N86-21102 Standardization of carbon-phenolic composite test p 243 N86-24527 methodology risk factors in Aerobic capacity and coronary middle-aged army population AD-A163998 HC A02/MF AO1

[AD-A163998] p 257 N86-25979

A small oxygen concentrator [AD-A163145] p 273 N86-25993 Factors influencing carboxyhemoglobin stability p 289 N86-27918

[AD-A165032] p 289 N86-27918 Advantages of the gas exchange approach to microbiological studies [AD-A166887] p 393 N86-31207

CHEMICAL COMPOUNDS

Cyclic adenosine-3',5'-monophosphate and cyclic quanosine-3'.5'-monophosphate in the blood plasma of mice injected with chemicals of different radioprotective p 276 A86-39718

efficiency CHEMICAL DEFENSE Effect of wearing chemical protective clothing in the heat

on signal detection over the visual field p 145 A86-25657 'The ACDAR' - Advanced chemical defense aircre n 430 A86-47735 respirator

CHEMICAL EFFECTS

Effects of mechanical stresses, abscisic acid, and outdoor exposure on growth and water relations of

Topical hazard evaluation program of Candidate Insect repellent Al3-35770 Hexahydro-1-( (2-Methylcyclohexyl) Carbonyl)-1-H-Azepine

p 68 N86-15903 [AD-A158386]

CHEMICAL ENERGY

Models of glycolysis: Glyceraldehyde as a source of energy and monomers for prebiotic condensation p 302 N86-26876 CHEMICAL ENGINEERING

China report: Science and technology p 39 N86-12966 [JPRS-CST-85-019]

CHEMICAL EVOLUTION

New perspectives on bacterial ferredoxin evolution p 2 A86-12001

Phylogenetic origins of the plant mitochondrion based on a comparative analysis of 5S ribosomal RNA p 2 A86-12002 sequences Radiation chemistry of an aqueous solution of glycine

Compounds of interest to chemical evolution studies p 23 A86-12003

A possible energetic role of mineral surfaces in chemical p 48 A86-14114 evolution Fact and assumption in studies on the origins of life

p 48 A86-14115

Habitability of the early earth - Clues from the physiology of nitrogen fixation and photosynthesis p 25 A86-14117

A note on self-replicating information yielding the hemical origin of life p 48 A86-14774 p 48 chemical origin of life Molecular theory of evolution: Outline of a physico-chemical theory of the origin of life --- Book

p 76 A86-17623 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei

p 77 A86-17740 Parity-violating energy differences of chiral minerals and the origin of biomolecular homochirality

p 77 A86-17807 Trace elements in chemical evolution, I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722

Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Synthesis and analysis in chemical evolution

p 297 A86-38145 In the beginning . . . there was clav?

p 297 A86-38624 Second Symposium on Chemical Evolution and the Origin of Life

[NASA-CP-2425] The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres

p 298 N86-26853 A gas chromatograph experiment for a Titan entry p 299 N86-26856 Molecular and Elemental Dust Analyzer (MEDA) for the comet rendezvous asteroid flyby mission

p 299 N86-26857 Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial p 299 N86-26858 multiplex gas chromatography: A novel analytical technique for future planetary studies

p 299 N86-26860 Molecular microenvironments: Solvent interactions with nucleic acid bases and ions p 302 N86-26872 Molecular replication p 302 N86-26874

Stereoselective aminoacylation of RNA

p 302 N86-26875

CHEMICAL PROPERTIES

A multivariate study of the relationship between the genetic code and the physical-chemical properties of p 104 A86-23997 Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring

[DE86-002239] p 225 N86-24209 Proposal for a new tomographic device providing information on the chemical properties of a body section p 425 N86-32964 [DE86\_010547]

CHEMICAL REACTIONS

Development and use of anucleated bacterial cells to assay the in vivo activity of pollutants [AD-A162727]

p 160 N86-22089 Test of erythrocyte antigen diagnostic agent for detecting antibodies to coxiella burnetti p 218 N86-23231

CHEMICAL REACTORS

Initial development and performance evaluation of a process for formation of dense carbon by pyrolysis of methane

[SAE PAPER 851342]

p 138 A86-23529 CHEMICAL TESTS

Medical evaluation of cosmonauts - Biochemical p 11 A86-12433 nvestigations

CHEMICAL WARFARE Canadian developments in aircrew chemical defence protection p 97 A86-19342

A lightweight impermeable suit for chemical protection in warm conditions: A preliminary look at the concept p 295 N86-26839 [AD-A164687]

Development of U.S. Army reverse osmosis water purification equipment

[AD-A165667] p 385 N86-28621 Air Force technical objective document, Aerospace Medical Division, FY 1987

[AD-A167422] p 423 N86-32090

CHEMORECEPTORS

Changes in antidromic latencies of medullary respiratory p 3 A86-12382 neurons in hypercapnia and hypoxia Stimulation of brain muscarinic acetylcholine receptors acutely reverses radiogenic hypodipsia

p 156 A86-29096 Effects of weightlessness on neurotransmitter receptors p 203 A86-30462 in selected brain areas

Investigation of mechanisms of the radioprotective effect of agonists of catecholamine receptors - Involvement of subtypes of alpha-adrenoreceptors in radioprotective effect p 208 A86-32698 Demonstration and role of chemoreception in the marine

zooplankton p 209 N86-23217

Interaction of asialoglycoprotein receptor of hepatocytes with chemically galactosilated acid alpha-glucosidase p 210 N86-23224

CHEMOTHERAPY

Anti-trypanosomal activity of platinum coordination compounds

[AD-D011860] p 67 N86-15897 **Exhibits** concerning sparing medicine Zdravookhraneniye-85 at Moscow p 119 N86-19840 Interaction of asialoglycoprotein receptor of hepatocytes with chemically galactosilated acid alpha-glucosidase p 210 N86-23224

AFRRI (Armed Forces Radiobiology Research p 379 N86-28614 [AD-A165810]

СН			

Morphogenesis and calcification of the statoconia in the chick (Gallus domesticus) embryo - Implications for future studies p 195 A86-30405

#### CHILDREN

Development of intuitive theories of motion - Curvilinear motion in the absence of external forces

p 426 A86-49521

The Middle Latency Response (MLR) and Steady State Evoked Potential (SSEP) in neonates [AD-A158007] p 67 N86-15900

Weather and asthma symptoms D 166 N86-21029 Height-dependent reduction of airborne pollen and effects on children and teenagers affected by

p 167 N86-21036 Group diagnosis as risk assessment in environment hygiene p 167 N86-21039

Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and resu summary D 168 N86-21040

Environmental factors and infant mortality

p 168 N86-21041 Immission and weather effects on children's airway troubles in Berlin (1979-1982). Time series investigations: Croup syndrome and asthmatic airway troubles

p 168 N86-21044 Emmission and weather effects on children's airway troubles in Berlin (1979-1982). Comparison of two different immissions: Loaded residential areas in West Berlin polluted areas p 168 N86-21045

### CHIPS (ELECTRONICS)

The first cortical implant of a semiconductor multielectrode array. VER (Visual Evoked Responses) and propagation analysis

[AD-A164015] p 248 N86-25972

#### CHIRAL DYNAMICS

Parity-violating energy differences of chiral minerals and the origin of biomolecular homochirality

p 77 A86-17807 Limits on asymmetric orthopositronium formation in high Z optically active molecules p 189 A86-28724 Investigation on the chirality of electrons from Sr-90-Y-90 beta-decay and their asymmetrical interactions with D- and p 243 A86-33390

Astronomical sources of circularly polarized light and their role in determining molecular chirality on earth p 297 A86-38144

Chirally selective, intramolecular interaction observed in an aminoacyl adenylate anhydride p 372 A86-41046 Search for chiral molecules and optical activity in extraterrestrial systems. The Cassini mission opportunity p 387 N86-28871

#### CHLORELLA

Advantages of the gas exchange approach to microbiological studies (AD-A1668871 p 393 N86-31207

CHLOROPHYLLS

Experimental, structural and theoretical models of bacteriochlorophylls a, d and g [DE86-001727] p 158 N86-21101

Particulate models of photosynthesis [DE86-001625] p 160 N86-22090

CHLORPROMAZINE

An atropinized heat-stressed rat model: Anticholinergic

and anticholinesterase drug potency [AD-A157620] p 6 N86-11832

CHOLERA

Immunomodulation by proteins of bordetella pertussis

[AD-A160078] p 107 N86-18953 CHOLESTEROI Activation of cholesterogenesis under the effect of

ionizing radiation on a living body p 207 A86-32697 Aerobic capacity and coronary risk factors in a middle-aged army population AD-A163998 HC A02/MF A01 [AD-A163998] p 257 N86-25979

### CHOLINE

Short term heat effect on adreno- and cholino-sensitivity of rat's small intestine P 4 N86-10754 Cortical plasticity: Theoretical analysis, experimental

[AD-A157965] p 38 N86-12961 Effect of 24,25-dihydroxycholecalciferol on amino acid metabolism of hypokinetic rats p 55 N86-14869 Biosensors from membrane proteins reconstituted in polymerized lipid bilayers

(AD-D0121601 p 248 N86-25974

### CHOLINESTERASE

The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points

p 414 A86-49921 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Biosensors from membrane proteins reconstituted in olymerized lipid bilayers

[AD-D012160] p 248 N86-25974 Effects of atropine sulfate on aircrew performance [AD-A165063] p 290 N86-27919

CHOROID MEMBRANES

Implementation of models for the transient division stem of spatio-temporal visual perception TN-86-97533] p 425 N86-32965 A model of the transient part of the spatio-temporal [ETN-86-97533]

perception, containing a two-dimensional long fiber [ETN-86-97540] p 426 N86-32966

### CHROMOSOMES

The frequency of sister chromatid exchanges in blood cells under prolonged hypokinesia p 421 A86-49272
Study of hypokinesia and acceleration effects on human

p 12 N86-10740 Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice [DE85-014309] p 7 N86-11835

HLA-D: The T cell perspective (AD-A1600191

p 84 N86-17976 Cloning and expression of leptospira pomona hemolysin gene in escherichia coli P 211 N86-23249 Cloning and analysis of genes for anthrax toxin components [AD-A161901]

p 212 N86-24186 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29522

### **CHRONIC CONDITIONS**

The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832 Recurrent serious otitis in a reconnaissance pilot - The consequences for his career D 112 A86-24506 Skeletal mass change as a function of gravitational p 192 A86-30380 Chronic acceleration and egg production in domestic p 193 A86-30392

Growth and development of mice and rats conceived and reared at different G-intensities during chronic centrifugation p 195 A86-30403

Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218

#### CINEMATOGRAPHY

Sensitivity to visual motion in statistically defined displays [AD-A167291] P 405 N86-31217

### CIRCADIAN RHYTHMS

Types of work capacity and the frequency of the development of ischemic heart disease and hypertonic p 34 A86-15516 Disturbance of the multiperiodic synchronization of the

heart-beat and respiratory rhythms after transmeridian flights through three time zones p 88 A86-22533 The elusive mechanism of the circadian clock

p 82 A86-22650 Cardiorenal-endocrine responses to head-out immersion at night

Modification of the resting oxygen consumption level of biological body and its tissues, during prolonged hypodynamics exposure p 194 A86-30398 hypodynamics exposure p 194 A86-30398 Circadian variation of volume and concentration of

orthostatically shifted fluid p 215 A86-30445 Day course of blood and plasma density in relation to other hematological parameters p 215 A86-30446 Reduction of circadian disruption following surgery by ingestion of caffeine in the laboratory rat

P 201 A86-30447 The rhythms of paramagnetic-center concentration in mouse liver and a mathematical model of synchronized autooscillations D 247 A86-36497 The mechanisms of muscle activity regulation in humans

depending on biorhythm type p 254 A86-36528 Seasonal dynamics of circadian rhythms of oxygen consumption and heat production in youths in Siberian p 254 A86-36529

Phase shifting two coupled circadian pacemakers Implications for jet lag p 377 A86-40684 A benzodiazepine used in the treatment of insomnia

phase-shifts - The mammalian circadian clock p 372 A86-40875

Digestive system rhythms and the body's biological p 391 A86-43676 Circadian variations of systolic time intervals

p 394 A86-44087 Seasonal and circadian rhythms in androgen excretion in the extremely continental climate of Trans-Baikal and the BAM region among groups of local nonnative population p 420 A86-49269 Intradiurnial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low

p 5 N86-10764

ambient temperature

Monitoring of circadian waveforms in rodents exposed to high-intensity static magnetic fields [DE85-015225] p 28 N86-12952

Effects of 9-hour time zone changes on fatigue and ircadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890

An experimental trial to test the efficacy of temazepam to induce sleep and improve subsequent performance during partial sleep deprivation and circadian rhythm [AD-A160795]

D 116 N86-18972 Problem of biological clocks: New data on circadian

changes in status of human organism

p 120 N86-19848 Circadian variation in host defense

[AD-A161702] p 158 N86-21098 Crew factors in flight operations. Part 4: Sleep and

akefulness in international aircrews [NASA-TM-88231] p 379 N86-28613 Multiparameter data acquisition systems for studies of

Circadian rhythms [DE86-004041] p 398 N86-30308

A 24-hour structure of vigilance under prolonged sleep deprivation: Relationship with performance [AD-A167399] p 422 N86-32089

### CIRCULAR CYLINDERS

Suit penetration study: Preliminary analysis of flow about a circular cylinder [DE86-0057601 p 385 N86-28623

#### CIRCULAR POLARIZATION

Astronomical sources of circularly polarized light and their role in determining molecular chirality on earth

p 297 A86-38144 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806]

p 84 N86-17975 CIRCULATION

Respiratory response and muscle function during isometric handgrip exercise at high altitude

[AD-A162003] p 223 N86-24198 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165014]

p 289 N86-27916 CITIES

Airway infections related to city climate and local immission load p 168 N86-21042 The biological efficiency of dust emmission: Determination based on the withering degree of exposed p 169 N86-21047

**CIVIL AVIATION** 

Airline pilot disability - The continued experience of a major U.S. airline p 8 A86-10251 Airsickness among Indian Airlines passengers

p 12 A86-12435 Professional flightcrew human resource development Developing a Needs Assessment Programme

p 232 A86-29915 Voice analyzer for evaluating pilot's condition

D 64 N86-14886 The history of aeronautical medicine in Venezuela [NASA-TM-77709]

p 176 N86-22094 CLADDING Effect of heat and chemical protective clothing on

cognitive performance [AD-A162001] p 242 N86-24218 CLAYS In the beginning . . . there was clay?

p 297 A86-38624 Origin of life and iron-rich clays p 300 N86-26866 Clay energetics in chemical evolution p 301 N86-26867

# **CLEANERS**

A study to define a set of requirements for cleansing agents for use in the Space Station whole body shower [NASA-CR-171910] p 99 N86-16903

CLIMATE

The lunar nodal tide and the distance to the Moon during the Precambrian era e Precambrian era p 305 N86-26886 Climatic consequences of very high CO2 levels in Earth's arly atmosphere p 308 N86-26904 CLIMBING FLIGHT

Physiological problems of ascent to altitude

p 376 A86-40566

## CLINICAL MEDICINE

Calcified hematoma of the greater omentum in an F-15 fighter pilot Unsteady blood flow in humans under artificial conditions Russian book p 33 A86-15443
Typological analysis of central and peripheral hemodynamics during orthostasis in normal subjects and in patients with arterial hypertonia p 33 A86-15515 Additional pressurisation for treating nonresponding cases of serious air decompression sickness

p 58 A86-18831

O and and the same and a blifted a little nother angels and	Metabolic support for a lunar base	COAGULATION
Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment	p 191 A86-30166	Development of an ultrafast-curing wound dressing
p 87 A86-20410	Implementing supercritical water oxidation technology	[AD-A162471] p 177 N86-22099
Orthostatic tolerance of normal Indians and those with	in a lunar base environmental control/life support	COAL LIQUEFACTION
suspected abnormal cardiovascular reflex status	system p 240 A86-30167	Health and Environmental Effects of Complex Chemical
p 114 A86-25661	Vivaria requirements for animal life cycle studies on	Mixtures
Problems in medical biorhythmology Russian book	space station p 200 A86-30443	[DE85-016336] p 92 N86-16892 COASTAL ECOLOGY
p 206 A86-31371	Controlled environment life support system:	Microbial mats and modern stromatolites in Shark Bay,
Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560	Calcium-related leaf injuries on plants	Western Australia p 51 A86-18027
Protection of eyes against laser damage studied	[NASA-CR-176288] p 6 N86-11829	COATING
p 39 N86-12967	Comparative effect of lunar fines and terrestriral ash	Biocidal synthetic coatings based on high-molecular
Criteria for a state-of-the-art vision test system	on the growth of a blue-green alga and germinating radish seeds p 30 N86-14097	metaloorganic compounds p 55 N86-14870
[AD-A157099] p 45 N86-12973	Biological life-support systems for long-duration space	COCHLEA
Biomaterials research in West Germany: An	flights p 47 N86-14160	A differential evaluation of the mechanism of the effect of noise on the ear in relation to noise frequency
assessment	Biocidal synthetic coatings based on high-molecular	characteristics (Clinical and experimental study)
[AD-A158951] p 53 N86-14840	metaloorganic compounds p 55 N86-14870	p 10 A86-11750
Nystagmus as related to utricular function p 61 N86-14862	Controlled Ecological Life Support Systems: CELSS	The effect of impulse intensity and the number of
Significance of vestibular recruitment and directional	1985 Workshop	impulses on hearing and cochlear pathology in the
dominance of nystagmus in diagnostic tests	[NASA-TM-88215] p 148 N86-19906	chinchilla
p 62 N86-14864	Potential for utilization of algal biomass for components	[AD-A161230] p 109 N86-19827
Exhibits concerning sparing medicine at	of the diet in CELSS p 148 N86-19907	COCKPIT SIMULATORS
Zdravookhraneniye-85 at Moscow p 119 N86-19840	BLSS, a European approach to CELSS	Investigation of pilot behavior within the scope of a
Magnets and surgical procedures p 119 N86-19841	p 148 N86-19908	training program for handling qualities rating in a ground simulator
Hyberbaric oxygen in the treatment of Bell's palsy p 124 N86-19870	CELSS experiment model and design concept of gas recycle system p 148 N86-19909	[DFVLR-MITT-86-01] p 429 N86-32975
The clinical prediction of dangerousness	Utilization of membranes for H2O recycle system	COCKPITS
[AD-A160820] p 135 N86-19899	p 148 N86-19910	The effect of asymmetric transfer on dual-task
Advanced clinical research in shock and trauma	The C23A system, an exmaple of quantitative control	assessment of voice technology p 141 A86-23702
[AD-A162730] p 177 N86-22103	of plant growth associated with a data base	Eye-controlled switching for crew station design
USSR report: Life sciences. Biomedical and behavioral	p 148 N86-19911	p 142 A86-23711
sciences	Description of concept and first feasibility test results	Cockpit automation technology p 142 A86-23724  Noise levels in cockpits of aircraft during normal cruise
[JPRS-UBB-86-002] p 209 N86-23222	of a life support subsystem of the Botany Facility based	and considerations of auditory risk p 145 A86-25651
AIDS-free USSR monitoring potential outbreak there p 218 N86-23235	on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled	Flight deck automation decisions
Hypoxia prophylaxis against radiation injury	environment systems p 149 N86-19914	[SAE PAPER 841471] p 145 A86-26002
p 220 N86-23244	Plan for CELSS test bed project p 149 N86-19915	Flight deck design methodology using computerized
Many medical uses foreseen for artificial skin	Plant growth chamber M design p 149 N86-19916	anthropometric models
p 220 N86-23245	Operational development of small plant growth	[SAE PAPER 841472] p 146 A86-26003
Electric sleep method of preventing fatigue build-up in	systems p 149 N86-19917	Automation in the cockpit - Who's in charge?
sailors on extended cruises p 235 N86-23248	Electrochemical control of pH in a hydroponic nutrient	[SAE PAPER 841534] p 146 A86-26005
USSR report: Life sciences. Biomedical and behavioral	solution p 150 N86-19918	Winging it in the 1980's - Why guidelines are needed for cockpit automation
sciences [JPRS-UBB-86-004] p 212 N86-23258	An engineering analysis of a closed cycle plant growth	[SAE PAPER 841634] p 147 A86-26022
[JPRS-UBB-86-004] p 212 N86-23258 Measurement techniques for use with	module p 150 N86-19919 Airborne trace contaminants of possible interest in	Situation versus command flight information for
technique/exposure guides	CELSS p 150 N86-19923	pilots
[PB86-123718] p 222 N86-23272	Observations on gas exchange and element recycle	[SAE PAPER 841638] p 147 A86-26023
Evaluation of radiation exposure from diagnostic	within a gas-closed algal-mouse system	The decision to fly by aircraft pilots
radiology examinations: General recommendations	p 150 N86-19924	[SAE PAPER 841613] p 132 A86-26024
[PB86-125903] p 222 N86-23273	CELSS science needs p 151 N86-19925	Comparison of voice types for helicopter voice warning
Evaluation of radiation exposure from diagnostic	Design concepts for bioreactors in space	systems
radiology examinations: Technique/exposure guides for	p 151 N86-19926	[SAE PAPER 841611] p 147 A86-26030 Computer-based tools for cockpit design
the craniocaudal projection in mammography [PB86-126075] p 222 N86-23274	An analysis of the productivity of a CELSS continuous algal culture system p 151 N86-19927	p 184 A86-28436
Concerning barotrauma of the lungs-translation	algal culture system p 151 N86-19927 Application of photosynthetic N2-fixing cyanobacteria to	Target designation by speech, joystick, and touch contro
[AD-A165006] p 289 N86-27914	the CELSS program p 151 N86-19929	- Format design implications p 184 A86-28439
Acute oral toxicity (LD50) of guanidine hydrochloride in	Carbon dioxide evolution rate as a method to monitor	Speech compression as a potential aid to automated
rats	and control an aerobic biological waste treatment	voice warnings in the cockpit p 185 A86-28445
[AD-A165747] p 376 N86-28608	system p 151 N86-19930	Selecting cockpit functions for speech I/O technology
Monkeys as a source of viral diseases in man	Can plants grow in quasi-vacuum?	p 185 A86-28446
[NASA-TM-78017] p 386 N86-28625	p 152 N86-19931	Cockpit information requirements analysis - A mission
Canadian forces approach to aircrew medical selection p 399 N86-30311	Studies on maximum yield of wheat for the controlled environments of space p 152 N86-19934	orientation p 236 A86-29856
Cytogenetic analyses of peripheral lymphocytes	environments of space p 152 N86-19934 Utilization of potatoes in CELSS: Productivity and	Cockpit design and evaluation data bases
subjected to simulated solar flare radiation	growing systems p 152 N86-19935	p 236 A86-2985
p 412 N86-31431	Optimization of controlled environments for hydroponic	Cognitive network organization and cockpit automation p 237 A86-2985
CLOSED CYCLES	production of leaf lettuce for human life support in	A comparison of voice and keyboard data entry for
Elementary design guidelines for CO2 scrubbing with	CELSS p 152 N86-19936	helicopter navigation system p 237 A86-2985
LiOH, technical manual	Closed culture plant studies: Implications for CELSS	The effect of using speech generation and recognition
[AD-A168850] p 444 N86-33022	p 152 N86-19937	systems on the performance of discrete tasks
CLOSED ECOLOGICAL SYSTEMS  Basic consideration on CELSS	Potato leaf explants as a spaceflight plant test system p 153 N86-19939	p 227 A86-2986
[IAF PAPER 85-307] p 45 A86-15819	The effect of ultradian and orbital cycles on plant	Luminance contrast requirements for legibility of symbol
Artificial closed ecosystem 'man-plants' with a full	growth p 153 N86-19940	on computer-generated map displays in aircraft cockpits
regeneration of atmosphere, water and ration vegetable	The role of plant disease in the development of	p 237 A86-2986
part	controlled ecological life support systems	Subjective assessment of pilot workload in the advance
[IAF PAPER 85-308] p 45 A86-15820	p 153 N86-19942	fighter cockpit p 238 A86-2987
Membrane-based water- and energy-recovery systems	Development of space technology for ecological	Recurrent cockpit resource management training a
for the manned space station	habitats p 153 N86-19943	United Airlines p 228 A86-2988
[SAE PAPER 851345] p 139 A86-23531	Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in	Cockpit speech interference considerations
Potential for utilization of algal biomass for components	the atmosphere p 280 N86-27903	p 229 A86-2989
of the diet in CELSS	Defining reclaimed water potability requirements	Cockpit resource management - Exploring th
[SAE PAPER 851388] p 140 A86-23567	p 410 N86-31422	attitude-performance linkage p 229 A86-2989
BLSS, a European approach to CELSS Biological	CLOTHING	There's a voice in the sky - But can a picture tell yo more? comparison between synthesized speech an
Life Support Systems [SAE PAPER 851391] p 141 A86-23569	Effectiveness of an air-cooled vest using selected air	visual displays in presenting information in cockpits
CELSS experiment model and design concept of gas	temperature and humidity combinations	p 266 A86-3378
recycle system	[AD-A162026] p 242 N86-24219	A hierarchical model of pilot's procedural behavior for
[SAE PAPER 851393] p 141 A86-23570	CLOTTING  Changes in the blood coagulation system of rabbits	cockpit workload analysis p 263 A86-3398
Sodium and potassium recycle in closed	under conditions of acute hypoxia and some methods of	Cockpit automation - Design and implementation
ecosystem-space agriculture p 144 A86-25199	its correction p 414 A86-49368	issues
Mass-balance model for a controlled ecological life	CLUTTER	[SAE PAPER 851921] p 270 A86-3543
support system on Mars	Feature positive coding effects on object localization	Cockpit automation - In need of a philosophy
[AAS 84-184] p 186 A86-28810	p 267 A86-33789	[SAE PAPER 851956] p 270 A86-3545

The calculation is a second		COLON CODING
The role of flight simulation in helicopter crew station design	An empirical demonstration of multiple resources	Hypobiosis and functional resistance to cold
[SAE PAPER 851900] p 272 A86-36940	p 141 A86-23703 Cognitive attributes to guide display design in automated	p 206 A86-30897
Determination of the load and stress on a cockpit crew	command-and-control systems n 142 ARC-23723	The mechanism of the adaptogenic effect of tocopherol in prolonged cold exposure p.414 A86.49367
during flight using tasking networks and the SAINT	The optimum presentation of cognitive training during	in prolonged cold exposure p 414 A86-49367 Effect of cold on brain serotonin system and plasma
simulation language p 432 A86-47770  Method of calculating angular dimensions of flight	a riight training program n 130 Are-23731	corticosteroid level in different strains of mice
vehicle cockpit canopy casings p 76 N86-15886	Personality differences as a moderator of mental workload behavior - Mental workload performance and	p 5 N86-10766
Helicopter cockpit organization for night vision	strain reactions as a function of cognitive complexity	Man's thermal budget under various climates
[SNIAS-852-210-103] p 101 N86-17996	p 130 A86-23732	p 164 N86-21016 Climatic cure on a practical level p 164 N86-21019
Cockpit automation requirements derived from mission functions data p 293 N86-26318	Event-related potential indices of workload in a single task paradigm	Effects of cold exposure on thermal status of men and
Visual and spectroradiometric performance criteria for	task paradigm p 130 A86-23733 Cognitive network organization and cockpit automation	women p 285 N86-27874 COLD WATER
Night Vision Goggles (NVG) compatible aircraft interior	p 237 A86-29858	Hand grip strength decrease related to hand skin
lighting p 294 N86-26807 Human factors: The Cinderella discipline in cockpit	Causes of dissociation between subjective workload	temperature drop during six-hour ice cold water
interface design p 294 N86-26825	measures and performance - Caveats for the use of subjective assessments p 238 A86-29875	mmersion p 86 A86-19348
Effect of time span and task load on pilot mental	Cognitive aspects of command and control	The changing face of constant wear anti-exposure protection of Naval aircrewmen against immersion
Workload	[IZF-1986-2] p 405 N86-30336	hypothermia p 431 A86-47749
[NASA-CR-177099] p 382 N86-29502 Pilot interaction with automated airborne decision	Use of artificial intelligence and psychology in the analysis of command and control military	Low temperature inflator apparatus
making systems	analysis of command and control military commanders	[AD-D011810] p 45 N86-12974
[NASA-CR-177002] p 385 N86-29508	[STC-TM-749] p 427 N86-32095	Human thermoregulatory responses to cold air are altered by repeated cold water immersion
Aircrew aspects of United Stated future fighter aircraft p 398 N86-30310	COHESION  Rehavioral considerations to	[AD-A158871] p 68 N86-15904
Night vision compatible illumination for vehicle	Behavioral considerations for space station design [AD-A163478] p 265 N86-25118	Perceptual and physiological responses during exercise
crewmember workspace	COLD ACCLIMATIZATION	in cool and cold water [AD-A165491] p 283 N86-26800
[AD-D012339] p 443 N86-33018 COGNITION	Characteristics of external respiration in inhabitants of	[AD-A165491] p 283 N86-26800 COLD WEATHER
Overall similarity and the identification of	the northeastern USSR p 9 A86-10698	Low temperature inflator apparatus
separable-dimension stimuli - A choice model analysis	Water excretion and natriuretic function in the kidneys of rats adapted to cold p 3 A86-12520	[AD-D011810] p 45 N86-12974
p 133 A86-26296	Use of a linguistic test in the course of large-scale	Weather sensitivity as discomfort p 165 N86-21025 Study of a meteorological prediction of acute myocardial
Psychological Sciences Division 1984 programs [AD-A156631] p 20 N86-10779	physiological selection of men for work in an adverse	infarction incidence p 166 N86-21030
[AD-A156631] p 20 N86-10779 Adaptive motivation theory	environment p 35 A86-15523 Thermoregulatory reactions to chilling in ice-cold water	Investigations of the possible influence of air electrical
[AD-A157440] p 21 N86-11851	in fans of winter swimming p 90 A86-22544	phenomena on dulling and ghost aching in amputated
Human cognition and performance	Mechanism of noradrenaline effect on the skin	patients p 167 N86-21033 Immission and weather effects on children's airway
[AD-A157665] p 42 N86-12970 Diagnosing cognitive errors: Statistical pattern	thermoreceptors p 103 A86-23491	troubles in Berlin (1979-1982). Time series investigations:
classification and recognition approach	Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685	Croup syndrome and asthmatic airway troubles
[AD-A158108] p 42 N86-12972	Hypobiosis and functional resistance to cold	p 168 N86-21044
A psychophysiological mapping of cognitive processes [AD-A158732] p 43 N86-13895	p 206 A86-30897	Health and performance of antarctic winter-over personnel: A follow-up study
[AD-A158732] p 43 N86-13895 The event related brain potential as an index of	Analysis of the functional structure of thermogenesis on the basis of pharmacological tests	[AD-A161773] p 182 N86-22109
information processing, cognitive activity, and skill	p 208 A86-33074	COLLAGENS
acquisition: A program of basic research	Ontogeny of homeothermy in the immature rat -	Many medical uses foreseen for artificial skin p 220 N86-23245
[AD-A159118] p 43 N86-13897 Information requirements determination: An empirical	Metabolic and thermal responses p 246 A86-36221	COLLECTION P 220 Noo-23245
investigation of obstacles within an individual	Seasonal dynamics of circadian rhythms of oxygen consumption and heat production in youths in Siberian	Forward field autotransfusion device
[AD-A158025] p 46 N86-13901	conditions p 254 A86-36529	[AD-D011763] p 37 N86-12957 Dermal substance collection device
Skill acquisition: Compilation of weak-method problem solutions	Human adaptation to antagonistic environmental	[AD-D011848] p 38 N86-12962
[AD-A158725] p 70 N86-14888	factors p 255 A86-36535	COLLIMATION
Assessment of visuospatial abilities using complex	Human thermoregulatory responses to cold air are altered by repeated cold water immersion	Intermediate collimation: Description - Goals - First
cognitive tasks	p 281 A86-39094	results p 44 A86-13570 COLLISION AVOIDANCE
[AD-A158919] p 70 N86-14889 Moment by moment variation in the cognitive activity	Development of responses to noradrenalin injection in	Use of a signal detection paradigm to assess subjective
of experts	control and cold-adapted rats p 373 A86-43424  The suppressive effect of carbon dioxide on the	intersection points in a target location task
[AD-A159466] p 71 N86-14893	activation of cold receptors in the nasal cavity of cats	P 129 A86-23720
Application of component scoring to a complicated	p 392 A86-45319	Colloidal and meteorological in vitro reactions
cognitive domain [AD-A157897] p 95 N86-16898	The effect of noradrenaline on oxidation metabolism in cold-adapted golden hamsters p 413 A86-49155	p 165 N86-21024
Bug distribution and pattern classification	cold-adapted golden hamsters p 413 A86-49155 The mechanism of the adaptogenic effect of tocopherol	COLONIES
[AD-A157898] p 95 N86-16899	in prolonged cold exposure p 414 A86-49367	Antibiotic properties of bifidobacteria p 219 N86-23236
Physical fitness as a moderator of cognitive work capacity and fatigue onset under sustained combat-like	Individual typological features of autonomic reactions	Cloning and analysis of genes for anthrax toxin
operations	during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748	components
[AD-A160417] p 134 N86-18982	Adaptation of man to extreme conditions of Antarctica	[AD-A161901] p 212 N86-24186 COLOR
An investigation into peer and supervisor differences in the observation of performance related by the primary	p 13 N86-10751	The synthesis and analysis of color images
in the observation of performance-related behaviors [AD-A160819] p 135 N86-19898	Homocarnosin in rat brain during adaptation to cold	[NASA-TM-86844] p 20 N86-10777
Effect of heat and chemical protective clothing on	p 5 N86-10762 Efficiency of muscular work in white rats during	Color on displays. Part 1: The psychophysical and
cognitive performance	adaptation to cold p 5 N86-10763	physiological aspects [IZF-1985-11] p 100 N86-17994
[AD-A162001] p 242 N86-24218 Man-machine systems of the 1990 decade: Cognitive	Intradiurnial organization of wakefulness-sleep	An evaluation of color sets for CRT displays
factors and human interface issues	sequence and energy metabolism in rats exposed to low ambient temperature p.5 N86-10764	[AD-A163894] p 273 N86-25125
[AD-A163865] p 273 N86-25123	ambient temperature p 5 N86-10764  Human thermoregulatory responses to cold air are	Sensitivity to color contrasts and the selection of
Theory-based cognitive assessment	altered by repeated cold water immersion	navigator personnel p 400 N86-30318 The development and evaluation of color systems for
[AD-A164083] p 266 N86-25991 Acquiring procedural skills from lesson sequences	[AD-A158871] p 68 N86-15904	airborne applications: Fundamental visual, perceptual and
[AD-A164580] p 291 N86-26829	Psychological selection of personnel for employment in	display systems considerations
Human factors in rule-based systems	the Antartic [DRIC-T-7449] p 235 N86-23278	[AD-A168563] p 443 N86-33020 COLOR CODING
[AD-A165309] p 295 N86-26840 Initial skill learning: An analysis of how elaborations	Human vascular fluid responses to cold stress are not	Color coding of synthetic aperture radar imagery
facilitate the three components	altered by cold acclimation	p 142 A86-23713
[AD-A165137] p 292 N86-27922	[AD-A165869] p 398 N86-30305	A new test of the color vision of professionals
The importance of specialized cognitive function in the	COLD FRONTS  The influence of heliometerrologic factors on circulation	p 112 A86-24505 Selecting color codes for a computer-generated
selection of military pilots [AD-A165889] p 404 N86-30330	The influence of heliometeorologic factors on circulation and some vegetative functions p 165 N86-21021	topographic map based on perception experiments and
Levels of Information Processing in a Fitts law task	Study of a meteorological prediction of acute myocardial	functional requirements p 237 A86-29866
(LIPFitts) p 436 N86-32980	infarction incidence p 166 N86-21030	The effects of color-coding in geosit displays. 1: Color as a redundant code
Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 NR6-32988	The Austrian biometeorological service	[AD-A161107] p 181 N86-22108
environment p 438 N86-32988  COGNITIVE PSYCHOLOGY	p 167 N86-21034 COLD TOLERANCE	The effects of color-coding in GEOSIT (geographical
Effects of raised body temperature on reasoning,	Thermoregulatory reactions to chilling in ice-cold water	situational) displays. 2: Redundant versus non-redundant color-coding
memory, and mood p 86 A86-20002	in fans of winter swimming p 90 A86-22544	[AD-A166263] p 405 N86-30334

p 405 N86-30334

~~	^-	VISI	^-

A new test of the color vision of professionals

p 112 A86-24505 Effect of vibration on the readability of color CRT

[SAE PAPER 841466] p 146 A86-26009 Minimum colour differences required to recognise small p 240 A86-32316 objects on a colour CRT Importance of color displays in visual flight simulation

p 381 A86-40484 The detection of various color combinations under different chromatic ambient illuminations

p 378 A86-41783 Criteria for a state-of-the-art vision test system

[AD-A1570991 p 45 N86-12973 Computational models of human vision with annlications

[NASA-CR-176413] p 67 N86-15898 Luminance and chromaticity signal processing in the p 121 N86-19852 human visual system Passing scores for the FAA ATCS color vision test [AD-A160889] p 127 N86-19890

An automated system for comprehensive assessment of visual field sensitivity

[AD-A162755] p 178 N86-22104 An evaluation of color sets for CRT displays AD-A163894] p 273 N86-25125

[AD-A163894] Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior p 294 N86-26807 COMBAT

Simulated aerial combat maneuvering tolerance and physical conditioning - Current status

p 396 A86-44097 The use of ECG changes caused by acceleration as p 399 N86-30316 tolerance predicition factors Visual capabilities related to fighter aircrew performance in the F-14 and adversary aircraft p 400 N86-30320 Vision test battery threshold and response time as predictors of air-to-air visual target acquisition in F-14 and adversary aircraft
COMBUSTION PRODUCTS p 400 N86-30321

Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p 156 A86-29089

Inhalation toxicology. 5: Evaluation of relative toxicity to rats of thermal decomposition products from two aircraft eat fire-blocking materials

p 277 N86-27866 [AD-A1650341 Inhalation toxicology. Part 6: Evaluation of the relative toxicity of thermal decomposition products from 9 aircraft panel materials

(AD-A168250) **COMET NUCLEI** 

> Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740

**COMETARY ATMOSPHERES** 

Characterization of biogenic elements in interplanetary p 297 N86-26846 dust particles Molecular and Elemental Dust Analyzer (MEDA) for the comet rendezvous asteroid flyby mission

p 299 N86-26857

p 424 N86-32958

COMFORT The wearing comfort of the PVC: Combat back pack [IZF-1984-34] p 23 N86-10789 A waterproof vent valve for immersion suits

[REPT-515] p 99 N86-17988 Heat transfer in impermeable clothing: Sweat plays a

role after all FIZF-1985-91 p 100 N86-17992

COMMAND AND CONTROL

Cognitive attributes to guide display design in automated command-and-control systems p 142 A86-23723 Situation versus command --- flight information for pilots

[SAE PAPER 841638] p 147 A86-26023 Predicted versus experienced workload and

performance on a supervisory control task p 227 A86-29879

Team performance with large and small screen [AD-A158761] p 75 N86-14899

Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336

Use of artificial intelligence and psychology in the analysis of command and control military commanders [STC-TM-749] D 427 N86-32095

The psychology of decision making militan p 427 N86-32096 Artificial intelligence and the Rule Oriented System

Simulation (ROSS) language --- military commande p 427 N86-32097 COMMUNICATION

The role of fundamental expression in instrument flight performance n 229 A86-29896 The effects of expressivity and flight task on cockpit communication and resource management p 383 N86-29505 [NASA-CR-1770361

COMMUNICATION THEORY

Man-machine systems of the 1990 decade: Cognitive factors and human interface issues [AD-A163865] n 273 NRS-25123

COMMUNITIES HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233

COMPARISON Comparison of the Air Force female and male pilot

ounded time in the Air Force Military Airlift Command [AD-A158093] p 68 N86-15902 Comparison of bone reactions of rats submitted to clinostatic and antiorthostatic hypokinesia

p 174 N86-21125

COMPARTMENTS

A multi-isotope procedure for simultaneously estimating the volume of body fluid compartments of swine [AD-A159631] p 64 N86-14881

COMPATIBILITY

Compatible atmospheres for a space suit, Space Station. and Shuttle based on physiological principles

p 44 A86-14311 Behavioral considerations for space station design [AD-A163478] p 265 N86-25118

COMPENSATORS

Kinematics and reaction moment compensation for a spaceborne elbow manipulator

[AIAA PAPER 86-0250]

p 182 A86-26616 COMPENSATORY TRACKING

An empirical demonstration of multiple resources p 141 A86-23703

On the pilot's behavior of detecting a system parameter change p 145 A86-25229

The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking tas setting p 22 N86-10784

Progression-regression effects in tracking repeated p 439 N86-32996

Comparison of the STI NIPIP tracking dynamics identification with the on-line Fourier analyzer DFA results including a time varying case p 442 N86-33010

Maximum normalized acceleration as a flying qualities p 442 N86-33012 parameter

COMPLEX SYSTEMS

Interaction between controlling, planning, and fault managing in complex man-machine systems

p 240 A86-33184 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792

COMPRESSED AIR

Performance comparison of thirty, two-stage demand regulators --- underwater breathing apparatus [ARE(M6)-TM-83818] p 99 N86-17987

Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861

COMPRESSION LOADS

Changes in the function of skeletal muscle vessels due to the cardiogenic depressor reflex p 81 A86-22594 COMPRESSION TESTS

The effects of ketamine on Rhesus monkey skeletal dynamics

[AD-A162848] p 213 N86-24189

COMPUTATION Data collection via a quasi-experimental simulation

technology. Part 1: Multiple measurement of performance excellence in complex and uncertain managerial tasks AD-A1679491 p 428 N86-32969

COMPUTER AIDED DESIGN

A computer-based system for workstation design and p 142 A86-23707 p 142 A86-23724 analysis --- for flight crews Cockpit automation technology Flight deck design methodology using computerized anthronometric mode

**ISAE PAPER 8414721** p 146 A86-26003 Computer-based tools for cockpit design

p 184 A86-28436 Applicability of using the CAR-II model in design and evaluation of multioperator workstations with shared controls p 268 A86-33805 A Computer Aided Design (CAD) system as a tool for

the ergonomist in developing man-machine systems [IZF-1985-10] p 100 N86-17993

COMPUTER AIDED MAPPING

Selecting color codes for a computer-generated topographic map based on perception experiments and functional requirements p 237 A86-29866 COMPUTER AIDED TOMOGRAPHY

Determination of the lumped constant and the kinetic constants for deoxyglucose and fluorodeoxyglucose in

[DE86-0003171 p 118 N86-18978 Visual perception in correlated noise

p 181 N86-22106
COMPUTER ASSISTED INSTRUCTION
Air Force 1983

Air Force uses computer lessons to train instructors, fliaht crews p 382 A86-41799 Proceedings of the Air Force Conference on Technology in Training and Education (TITE)

AD-A1578291 D 95 N86-16897 Development of a computer-managed readiness assessment system

AD-A1629311 p 236 N86-24215 COMPUTER DESIGN

Design guidelines for the use of audio cues in computer interfece [DE85-015176]

p 241 N86-23281 MPUTER GRÁPHICS

Utilizing computer graphics display technology p 185 A86-28441 aerospace systems

Perception of altitude in the low and medium altitude p 231 A86-29907 Decluttering methods for hiah density

computer-generated graphic displays p 267 A86-33790

Interactive computer-based flight training [SAE PAPER 851991] p 263 A86-35430

A discrete control model of operator function - A methodology for information display design p 384 A86-41381

TEMPUS: Simulating personnel and tasks in a 3-D

[NASA-CR-171901] p 22 N86-10785 A multiple-regression model of pilot performance in

vertical and translational flight [AD-A161364] n 188 N86-22115 The effects of color-coding in GEOSIT (geographical situational) displays. 2: Redundant versus non-redundant

color-coding [AD-A166263] p 405 N86-30334

Striving for natural usage p 435 N86-32105

COMPUTER INFORMATION SECURITY

Examination of retinal pattern threshold levels and their possible effect on computer access control mechanisms [AD-A1612131 p 128 N86-19895

COMPLITER NETWORKS

Diseases in CEMA countries p 211 N86-23252

COMPUTER PROGRAMMING

Design techniques for robots - Space applications p 183 A86-28074

Interactive activation models of perception and [AD-A161362] p 181 N86-21143

COMPUTER PROGRAMS

TEMPUS: Simulating personnel and tasks in a 3-D [NASA-CR-171901] p 22 N86-10785

Stimulus structures and mental representations in expert comprehension of computer programs [AD-A157520]

p 42 N86-12969 A nonlinear regression procedure for evoked potential data analysis

[AD-A1576801 p 53 N86-14839 Performance measurement guidelines for research [AD-A159055] p 71 N86-14891

Automatic determination of cardiac output from rheogram of the trunk p 66 N86-15889 Examination of retinal pattern threshold levels and their ssible effect on computer access control mechanisms

FAD-A1612131 p 128 N86-19895 New roles for computation in the life sciences DE85-0175421 p 158 N86-21100

Application of portable microprocessor-based system for electrophysiological field testing of neurotoxicity [PB86-145471] p 379 N86-28615

Suit penetration study: Preliminary analysis of flow about circular cylinder [DE86-0057601 p 385 N86-28623

Pilot interaction with automated airborne decision making systems

[NASA-CR-176986] p 408 N86-31218 COMPUTER STORAGE DEVICES

Beyond associations: Strategic components in memory retrieval

[AD-A160783] COMPUTER SYSTEMS DESIGN

Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test

[SAE PAPER 851377]

p 140 A86-23560

Managing computer		evelopment:
Understanding the human	and technological	imperatives
[AD-A158976]		N86-15917
Operator environment in	the nineties	
[FOA-A-50002-H2]		N86-16905
Person computer dialog		
hace eurolement		

[AD-A163074] p 243 N86-24223

Stanford Hardware Development Program

p 309 N86-26910 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques

[NLR-TR-84116-L-PT-1] n 435 N86-32107 COMPUTER SYSTEMS PERFORMANCE

Systems of efficient man-computer interaction -p 74 A86-18730 The effects of syntactic complexity on the human-computer interaction p 271 A86-36172 p 271 A86-36172 A Computer Aided Design (CAD) system as a tool for the ergonomist in developing man-machine sys [IZF-1985-10] p 100 N86-17993

COMPUTER SYSTEMS PROGRAMS

Managing computer systems development: Understanding the human and technological imperatives development: [AD-A158976] p 76 N86-15917

COMPUTER TECHNIQUES

An exploratory study of computer-based aviator testina p 231 A86-29909 Micropat - A progress report on the validation of an automated test battery for pilot selection

p 231 A86-29911 Expert computer aided decision in supervisory control p 241 A86-33188

Human hemodynamic change under high atmospheric N86-12458 p 37 New roles for computation in the life scien

[DE85-017542] p 158 N86-21100 Man-machine systems of the 1990 decade: Cognitive factors and human interface issues

p 273 N86-25123 Studies of the electric field distribution in biological bodies. Experimental dosimetry at radiofrequencies

[AD-A163156] D 249 N86-25976 An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition svstem

[AD-A164099] p 257 N86-25981 Theory-based cognitive assessment

[AD-A1640831 p 266 N86-25991 Information processing in mammalian visual cortex AD-A165832] p 376 N86-28609 [AD-A165832]

Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrev p 400 N86-30319 Human problem solving in fault diagnosis tasks

[AD-A167397] p 434 N86-32104 **COMPUTER VISION** 

On-orbit manipulators - Sensory and control [AIAA PAPER 86-2185] p 429 A86-47467 Perspective projection invariants

[AD-A167783] p 428 N86-32968

COMPUTERIZED SIMILII ATION Encoding of spatial location by posterior parietal p 27 A86-14714 PLANT - An experimental task for the study of human

problem solving in process control -- Production Levels and Network Troubleshooting p 70 A86-17774 Utility of an emulation and simulation computer model

for air revitalization system hardware design, development, and test

[SAE PAPER 851377] p 140 A86-23560 Simulation model for plant growth in controlled environment systems [SAE PAPER 851390] p 104 A86-23568

The saccadic eye movement control system

p 267 A86-33797 The use of ellipsoidal solids to display human body dynamic response p 272 A86-36852 Human performance simulation - Combining the data

p 381 A86-40480 Determination of the load and stress on a cockpit crew during flight using tasking networks and the SAINT simulation language p 432 A86-47770

Application of the method of problem taxonomy to the simulation of human service reliability in the manual steering of aircraft
[MBB-LKE-301/S/PUB/216]

p 432 A86-47771 Flight training for Space Shuttle missions p 427 A86-50283

Strength modeling report [NASA-CR-171896] p 15 N86-10770 TEMPUS: Simulating personnel and tasks in a 3-D environment [NASA-CR-171901]

p 22 N86-10785

Interactive scenario computer model for dose rates to aircrews in flight through nuclear debris clouds

[AD-A158741] p 40 N86-13888 A computer model of driver response

[UTIAS-293] D 72 N86-15911 A computer model of case-based reasoning in problem solving: An investigation in the domain of dispute mediation

[AD-A158097] p 73 N86-15912 Operations research techniques for human factors engineers p 99 N86-16904

A Computer Aided Design (CAD) system as a tool for the ergonomist in developing man-machine systems p 100

An engineering analysis of a closed cycle plant growth p 150 N86-19919 EFFECTS: Documentation and verification for a BEIR 3 cancer risk model based on age, sex and population dynamics for BIOTRAN

[DE86-003285] D 226 N86-24210 Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference -- 3 [AD-A163040]

p 265 N86-25990 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure

p 294 N86-26813 Suit penetration study: Preliminary analysis of flow about

[DE86-0057601 Novel architectures for image processing based on computer simulation and psychophysical studies of human

visual cortex p 404 N86-30333 Human problem solving in fault diagnosis tasks

[AD-A167397] AD-A167397] p 434 N86-32104 A simulation study of the effects of sleep deprivation, time of watch and length of time on watch on watchstanding effectiveness [AD-A167729]

p 424 N86-32956 Radiographic determination of mass of inertial tensors of anatomical segments FAD-A1685811 p 425 N86-32961

Data collection via a quasi-experimental simulation technology. Part 1: Multiple measurement of performance excellence in complex and uncertain managerial tasks [AD-A167949] p 428 N86-32969

COMPUTERS

Message-based screen interfaces - The effects of presentation rates and task complexity on operator performance p 143 A86-23734

Pilot interaction with automated airborne decision making systems [NASA-CR-177002] p 385 N86-29508

Making the human-machine interface responsive to many classes of users

[DE86-003453] p 409 N86-31222

CONCENTRATION (COMPOSITION)

Comparative biochemistry and metabolism. Part 2: Naphthalene lung toxicity [AD-A1631441 p 257 N86-25983 A small oxygen concentrator

[AD-A163145] p 273 N86-25993 Direct spectrophotometric method of assaying ammonia concentration in gas environment of seeding chambers

CONCURRENT PROCESSING

Stanford Hardware Development Program

p 309 N86-26910 CONDENSATES

p 280 N86-27900

Comparative analysis of biomass pyrolysis condensates

[DE86-001773] p 159 N86-21102

Adsorption and condensation of amino acids and nucleotides with soluble mineral salts

p 301 N86-26869

CONDITIONED REFLEXES Corticoreticular interactions in the mechanisms of

p 208 A86-33071 reflexotherapy Influence of shipboard environmental factors on conditioned reflex activity of experimental animals during a long voyage p 278 N86-27873

**CONDITIONING (LEARNING)** 

Biological investigations of adaptive networks. Neuronal control of conditioned responding

[AD-A160345] p 126 N86-19887 Effects of 60 Hz electric fields on operant and social ress behaviors of nonhuman primates [DE86-005807] p 411 N86-30347

CONFERENCES

Planetary ecology; Proceedings of the Sixth International Symposium on Environmental Biogeochemistry, Santa Fe, NM. October 10-14, 1983 p 50 A86-18026 NM. October 10-14, 1983

p 259 A86-33776 Proceedings. Volumes 1 & 2 Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985,

CONSUMABLES (SPACECREW SUPPLIES)

March 3-8, 1985

Evaluation of man-machine systems: Methods and problems; Symposium, November 14, 15, 1985, Cologne, West Germany, Reports

Health and Environmental Effects of Complex Chemical

The Eleventh Annual Meeting of the European Undersea Biomedical Society (EUBS) on Diving and Hyperbaric Medicine

Study of biotechnology applied to research and development

Space teleoperation research. American Nuclear Society Executive conference: Remote operations and robotics in the nuclear industry; remote maintenance in Other hostile environments

p 386 N86-29513 CONFIDENCE LIMITS

CONFIGURATION MANAGEMENT

CONFINEMENT

CONGRESSIONAL REPORTS

CONSCIOUSNESS Mental fitness for duty and control of arousal state

p 263 A86-35429 CONSISTENCY

CONSTRAINTS

[AD-A163907]

testing [NASA-CR-178837]

[AD-A167408]

toxicity of thermal decomposition products from 9 aircraft panel materials

CONSTRUCTION INDUSTRY

p 60 N86-14849 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102

Aircrew coordination and decisionmaking: Peer ratings of video tapes made during a full mission simulation

The evaluation of copper compounds as potential fuel

COPPER COMPOUNDS

biocides [AMTE(M)-84520]

p 440 N86-32999

p 84 N86-17974

CONTACT LENSES	A unifying approach to human pilot modelling	Simulation model for plant growth in controlled
Wearing contact lenses in Space Shuttle operations	p 241 A86-33187	environment systems
p 60 A86-18845	CONTROL STICKS	[SAE PAPER 851390] p 104 A86-23568
The effects of hypoxia induced by low atmospheric pressure on soft contact lens wear	Helicopter flight control with one hand	The C23A system, an example of quantitative control
[AD-A158556] p 38 N86-12963	p 269 A86-34923	of plant growth associated with a data base
Contact lenses for pilots and aircrew in the services	Flight test of a displacement sidearm controller	[SAE PAPER 851395] p 104 A86-23572 Wet-oxidation waste management system for CELSS
p 284 N86-26815	p 439 N86-32992	[SAE PAPER 851398] p 141 A86-23575
Dynamic behaviour of spherical and aspherical contact	Active controllers and the time duration to learn a task p 439 N86-32994	Dynamics of general resistance of rats during
lenses exposed to +Gz-acceleration forces	CONTROL SYSTEMS DESIGN	readaptation period after training in altered gas
p 294 N86-26816	Aspects of operator interface design for an automatic	environment p 6 N86-10767
Soft contact lens wear during +G(Z) acceleration [AD-A165013] p 289 N86-27915	tracking antenna controller p 43 A86-13223	Investigation of mineral nutrition of a new form of
CONTAMINANTS	Development status of regenerable solid amine CO2	microalgae to be used in biological life-support systems p 57 N86-15892
Airborne trace contaminants of possible interest in	control systems	Controlled Ecological Life Support Systems: CELSS
CELSS p 150 N86-19923	[SAE PAPER 851340] p 138 A86-23527	1985 Workshop
Development and use of anucleated bacterial cells to	Performance and endurance testing of a prototype	[NASA-TM-88215] p 148 N86-19906
assay the in vivo activity of pollutants [AD-A162727] p 160 N86-22089	carbon dioxide and humidity control system for Space Shuttle extended mission capability	The C23A system, an exmaple of quantitative control
Isotopic study of the inhalation toxicology of oxidants	[SAE PAPER 851374] p 140 A86-23557	of plant growth associated with a data base
[PB86-109485] p 256 N86-25116	Eye-controlled switching for crew station design	p 148 N86-19911 Description of concept and first feasibility test results
CONTAMINATION	p 142 A86-23711	of a life support subsystem of the Botany Facility based
Psychological aspects of personnel contamination	Interaction between controlling, planning, and fault	on water reclamation p 149 N86-19912
[DE85-012955] p 21 N86-11853	managing in complex man-machine systems	Plant growth chamber M design p 149 N86-19916
Accidental exposure to americium [DE85-012794] p 39 N86-12965	p 240 A86-33184	An engineering analysis of a closed cycle plant growth
Biocidal synthetic coatings based on high-molecular	Information display complexes Russian book	module p 150 N86-19919
metaloorganic compounds p 55 N86-14870	p 241 A86-33324 Teleoperation of legged vehicles - Unique problems	Airborne trace contaminants of possible interest in CELSS p 150 N86-19923
Development and use of anucleated bacterial cells to	associated with walking and foot placement	Observations on gas exchange and element recycle
assay the in vivo activity of pollutants	p 268 A86-33811	within a gas-closed algal-mouse system
[AD-A162727] p 160 N86-22089	Environmental control and life support systems	p 150 N86-19924
Evaluation of water sterilizing tablets [AD-A165806] p 385 N86-28622	p 406 A86-44534	Can plants grow in quasi-vacuum?
Special features of surgical intervention under conditions	Development of a hierarchical multiprocessor control for a polyarticulated mechanical structure used to study human	p 152 N86-19931
of weightlessness	operators subjected to vibrations French thesis	Wheat response to CO2 enrichment: CO2 exchanges transpiration and mineral uptakes p 152 N86-19932
[AD-A167916] p 423 N86-32092	p 433 A86-48553	Optimization of controlled environments for hydroponic
CONTOURS	A discrete control model of PLANT	production of leaf lettuce for human life support in
Judgments of natural and anomalous trajectories in the	p 408 N86-31220	CELSS p 152 N86-19936
presence and absence of motion p 69 A86-16922 CONTRACT MANAGEMENT	Control loops with human operators in space operations.	Closed culture plant studies: Implications for CELSS
LSRO/ONR ad hoc review process	Part 1: Human engineering analysis, synthesis and evaluation techniques	p 152 N86-19937
[AD-A156590] p 4 N86-10735	[NLR-TR-84116-L-PT-1] p 435 N86-32107	Development of space technology for ecological habitats p 153 N86-19943
CONTRACTION	Control loops with human operators in space operations.	Controlled environment life support system: Growth
Recovery in skeletal muscle contractile function after	Part 4: Research requirements for human-in-the-loop	studies with potatoes
prolonged hindlimb immobilization p 1 A86-10109	space teleoperator development	[NASA-CR-177400] p 434 N86-32101
The contractile function and the energy metabolism of the myocardium under emotional stress and during	[NLR-TR-84116-L-PT-4] p 435 N86-32109	CONTROLLERS
adaptation of animals to short stress effects	Control loops with human operators in space operations.	Aspects of operator interface design for an automatic
p 392 A86-45322	Part 5: Executive summary [NLR-TR-84116-L-PT-5] p 435 N86-32110	tracking antenna controller p 43 A86-13223 Carbon dioxide evolution rate as a method to monitor
CONTRACTS	Flight test of a displacement sidearm controller	and control an aerobic biological waste treatment
LSRO/ONR ad hoc review process	p 439 N86-32992	system p 151 N86-19930
[AD-A156590] p 4 N86-10735	Anthropometric considerations for a 4-axis side-arm	Reconfigurable work station for a video display unit and
CONTRAST The effects of the contrast, spatial frequency, and	flight controller p 439 N86-32993	keyboard
temporal frequency of a surrounding field upon the	CONTROL THEORY	[NASA-CASE-MFS-26009-1SB] p 188 N86-22114
detection thresholds of gratings p 132 A86-26293	Hierarchy of control models for temperature regulation p 22 A86-10158	Reverse osmosis water purification system p 384 N86-28291
Vision test chart and method using Gaussians	A control theory model of aviator behavior	Control of a free-flying robot manipulator system
[AD-D011756] p 20 N86-10778	p 232 A86-29913	[NASA-CR-179717] p 443 N86-33016
Enhancing sensitivity to visual motion and enhancing	Multi-component characterization of the human	CONVECTIVE HEAT TRANSFER
visual sensitivity [AD-A158800] p 40 N86-13889	operator's control output p 241 A86-33186	Physical causes of air draft phenomena, new facts
Visual sensitivities and discriminations and their roles	A discrete control model of operator function - A	p 164 N86-21018
in aviation	methodology for information display design p 384 A86-41381	CONVERGENCE Shadow mask display visibility - Human thresholds for
[AD-A158962] p 69 N86-15907	Car driving as a supervisory control task	perception of misconvergence effects
Aeromedical lessons learned with night vision devices	[B8563351] p 19 N86-10776	p 268 A86-33798
p 283 N86-26810	The influence of tactual seat-motion cues on training	Stochastic differential equations for neuronal behavior
Computer visual simulation of contrast sensitivity deficits	and performance in a roll-axis compensatory tracking task	[AD-A159099] p 69 N86-15908
induced by laser and chemical antidote exposure p 294 N86-26813	setting p 22 N86-10784	COOLING
Variable contrast direct read-out vision tester	Control theoretic analysis of human operator mediated rendezvous and docking	Physical causes of air draft phenomena, new facts
[AD-D012273] p 423 N86-32955	[NLR-MP-85020-U] p 435 N86-32106	p 164 N86-21018 On the importance of cooling in climatic therapy
CONTROL	Control loops with human operators in space operations.	p 165 N86-21020
Control errors: Psychological causes - An automated	Part 3: Rendezvous and docking operations and model	Comparison between meteorological complex values
method of analysis Russian book	analysis of performance with human-in-the-loop	and a model of man's energy budget
p 270 A86-35460 Power and signal transmission for mobile teleoperated	[NLR-TR-84116-L-PT-3] p 435 N86-32108	p 169 N86-21059
systems	Control loops with human operators in space operations.	Spatial distribution of heat and cold stress in the Federal Republic of Germany p 170 N86-21065
[DE85-013994] p 45 N86-12975	Part 2: Robotics operations and manual control experiment	Republic of Germany p 170 N86-21065 Effects of cold exposure on thermal status of men and
Future directions in mobile teleoperation	[NLR-TR-84116-L-PT-2] p 444 N86-33024	women p 285 N86-27874
[DE85-014308] p 46 N86-12976	CONTROL VALVES	Development of thermoelectric water heating-cooling
CONTROL EQUIPMENT  Target designation by speech, joystick, and touch control	Single stage rapid response anti-G valve	devices
- Format design implications p 184 A86-28439	p 432 A86-47762	[AD-A166949] p 409 N86-31221
User interface description of a gas turbine control	Servo operated anti-G suit pressurization system [AD-D011932] p 147 N86-18988	COOLING SYSTEMS  Reverse osmosis water purification evetem
system	[AD-D011932] p 147 N86-18988  CONTROLLABILITY	Reverse osmosis water purification system p 384 N86-28291
[ASME PAPER 86-GT-296] p 433 A86-48309	Investigation of pilot behavior within the scope of a	COORDINATION
A design guide for visual displays and manual tasks in	training program for handling qualities rating in a ground	Perceptual-motor coordination and adaptation during
vibration environments. Part 2: Manual tasks [ISVR-TR-134] p 443 N86-33015	simulator	locomotion - Determinants of prism adaptation in hall
[ISVH-1H-134] p 443 N86-33015 CONTROL SIMULATION	[DFVLR-MITT-86-01] p 429 N86-32975	exposure p 131 A86-24324
Normalized predictive deconvolution - A time series	CONTROLLED ATMOSPHERES  Compatible atmospheres for a space suit, Space Station.	Aircrew coordination and decisionmaking: Peer ratings of video tapes made during a full mission simulation

Compatible atmospheres for a space suit, Space Station,

and Shuttle based on physiological principles

p 44 A86-14311

Development status of regenerable solid amine CO2

p 138 A86-23527

control systems [SAE PAPER 851340]

algorithm for modeling human operator dynamics
p 44 A86-14238

Predicted versus experienced workload and
performance on a supervisory control task
p 227 A86-29879

CORIOLIS EFFECT

The effective intensity of Coriolis, cross-coupling stimulation is gravitoinertial force dependent - Implications for space motion sickness p 163 A86-29093

Dynamics of changes of statistical indicators of heart rhythm of persons with different degree of motion sickness p 12 N86-10743 Cumulative effect of coriolis accelerations on coronary

p 61 N86-14861 hemodynamics An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition

system [AD-A164099]

p 257 N86-25981

**CORONARY ARTERY DISEASE** 

Changes in the function of skeletal muscle vessels due to the cardiogenic depressor reflex p 81 A86-22594 Normal or pathological coronary status - Reflections and practical experiences for expertise with flight personne p 282 A86-39774

Measurement and prediction of flow through a replica segment of a mildly atherosclerotic coronary artery of p 374 A86-43440

**CORONARY CIRCULATION** 

Types of work capacity and the frequency of the development of ischemic heart disease and hypertonic p 34 A86-15516

The effects of +Gz on the coronary circulation - A p 86 A86-20401 Changes in pericardial microcirculation in dogs during

p 392 A86-45321 adaptation to static muscle loads Cumulative effect of coriolis accelerations on coronary p 61 N86-14861 hemodynamics

CORRELATION

Statistical inferences in cross-lagged panel studies p 265 N86-25120 [AD-A163892] CORROSION

Radioprotection update

[BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146

CORTICOSTEROIDS

Comparative analysis of corticosteroid catecholamine levels excreted in urine of persons with p 34 different occupations The mechanism of the adaptogenic effect of tocopherol

in prolonged cold exposure p 414 A86-49367 Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice

p 5 N86-10766 Design, construction and testing of a dc bioeffects enclosure for small animals

[DE05-016798] p 29 N86-13883 Glucocorticoid antagonism by endotoxin: Biological effects during stress and basis for inhibition of phosphoenolpyruvate carboxykinase

[AD-A160740] p 116 N86-18969 A possible role for endogenous glucocorticoids in orchiectomy-induced atrophy of the rat levator ani muscle: Studies with RU38486, a potent and selective antiglucocorticoid

[NASA-CR-177029] CORTISONE

p 411 N86-30343

Effect of dry immersion model on parameters of fluid-electrolyte metabolism, blood plasma aldosterone and cortisol levels in individuals differing in body fluid p 65 N86-15875 content

COSMIC DUST

Molecular and Elemental Dust Analyzer (MEDA) for the comet rendezvous asteroid flyby mission p 299 N86-26857

COSMIC RAYS

Effect of cosmoheliogeophysical factors on bacterial agglutionation in vitro p 155 A86-27473 Radiation transport of cosmic ray nuclei in lunar material p 191 A86-30168 and radiation doses Radiobiological validation of quality factor of protons and

p 287 N86-27895 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity

environment on embryo development p 388 N86-29523

COSMOCHEMISTRY

Boundary structures are formed by organic components of the Murchison carbonaceous chondrite p 76 A86-16417

Signs of life --- in molecules of Universe p 154 A86-25774

Universal protein ancestors from hydrogen cyanide and water --- extraterrestrial origins p 296 A86-38141 COSMOLOGY

The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921

COSMONAUTS

Medical evaluation of cosmonauts - Psychological testing Dental evaluation of cosmonauts p 11 A86-12432

Medical evaluation of cosmonauts - Biochemical investigations D 11 A86-12433 Designing the conditions of life and work of cosmonauts

(2nd revised and enlarged edition) --- Russian book p 290 A86-38984 Cosmonaut training --- Russian book

D 293 A86-38988 Lactobacteria and prophylaxis in space

p 285 N86-27870 Special features of surgical intervention under conditions of weightlessness

[AD-A167916] p 423 N86-32092 COSMOS SATELLITES

Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402 Commentary on results of biological satellite program

p 278 N86-27871 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514

[NASA-TM-88223] p 375 N86-28606

COST EFFECTIVENESS

Future directions for cost effective Air Force aircrew training - Managed technology and the training system p 262 A86-33830

COSTS

Behavioral considerations for space station design [AD-A163478] p 265 N86-25118

COTTON

Production of gene bank from cotton plant chloroplast DNA foi HC/ME p 210 N86-23228

COUNTERMEASURES

Anabolic steroids as a countermeasure against bone demineralization during space flight p 114 A86-25662 An attempt to counteract nitrogen narcosis by naloxone p 123 N86-19865

COUPLING COFFFICIENTS

Coupling between the bacteriorhodopsin photocycle and the protonmotive force in Halobacterium halobium cell envelope vesicles. III - Time-resolved increase in the transmembrane electric potential and modeling of the associated ion fluxes p 373 A86-43433

COVALENT BONDS

Covalent crosslinks between filaments in DNA induced y laser p 109 N86-19839 Comparative biochemistry and metabolism. Part 2: hy laser

Naphthalene lung toxicity [AD-A163144]

p 257 N86-25983 CRANIUM

Evaluation of radiation exposure from diagnostic radiology examinations: Technique/exposure guides for the craniocaudal projection in mammography

p 222 N86-23274 [PB86-126075]

CRASHES

Simulation of aircraft seat response to a crash environment p 272 A86-36879 CRASHWORTHINESS

Simulation of aircraft seat response to a crash prironment p 272 A86-36879 environment Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850]

p 293 A86-38510

CREATININE

The effects of ketamine on Rhesus monkey skeletal

p 213 N86-24189 [AD-A162848] Urinary and hematological indices of hypohydration p 289 N86-27917

**CREW EXPERIMENT STATIONS** Cockpit automation technology

p 142 A86-23724 CREW PROCEDURES (INFLIGHT)

Timebased analysis of significant coordinated operations (TASCO) - A cockpit workload analysis

p 268 A86-33810 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness

p 381 A86-40479 Aircrew coordination and decisionmaking: Peer ratings

of video tapes made during a full mission simulation p 440 N86-32999 An experimental paradigm for team decision p 440 N86-33000

CREW STATIONS

A workload index for iterative crewstation evaluation

p 184 A86-28433 Pro-SWAT applied to advanced helicopter crew station p 267 A86-33795 concepts

Designing the conditions of life and work of cosmonauts (2nd revised and enlarged edition) --- Russian book

p 290 A86-38984 The development and evaluation of color systems for airborne applications: Fundamental visual, perceptual and display systems considerations

p 443 N86-33020

[AD-A168563] CREW WORKSTATIONS

A computer-based system for workstation design and analysis --- for flight crews p 142 A86-23707 Eye-controlled switching for crew station design

p 142 A86-23711 Applicability of using the CAR-II model in design and

evaluation of multioperator workstations with shared controls p 268 A86-33805 Intelligent crew workstations p 406 A86-44532

**CREWS** 

Effectiveness of an air-cooled vest using selected air temperature and humidity combinations

[AD-A162026] p 242 N86-24219 CRITERIA

Productivity and difficulty as new criteria for validating aviator selection tests p 128 A86-23717 The functional age profile - An objective decision criterion

for the assessment of pilot performance capacities and capabilities p 234 A86-31823 Human factors engineering design criteria for future

systems. Design criteria evolving from the Fire Support Team Vehicle (FIST-V) operational test 2 [AD-A1583121 p 74 N86-14897

CRITICAL LOADING

Critical impact and acceleration loading to the head p 214 A86-30381

**CROP GROWTH** Simulation model for plant growth in controlled environment systems

[SAE PAPER 851390] p 104 A86-23568 The C23A system, an example of quantitative control plant growth associated with a data base

p 104 A86-23572 [SAE PAPER 851395] Wheat farming in a lunar base p 191 A86-30165

The calcium dependence of auxin action in roots p 197 A86-30421

Controlled environment life support system: Calcium-related leaf injuries on plants

[NASA-CR-1762881 p 6 N86-11829 Characteristics of effects of microbiological means of plant protection on organism p 109 N86-19829

Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable

[IAF PAPER 85-308] p 45 A86-15820

CROSSLINKING

Covalent crosslinks between filaments in DNA induced p 109 N86-19839

CRÓWDING On interacting populations that disperse to avoid crowding: The effect of a sedentary color colony p 181 N86-21145

**CRUISING FLIGHT** 

Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651

**CRYSTAL GROWTH** Iron-silica crystallite nucleation by bacteria in a geothermal sediment p 247 A86-36368 Protein crystal growth results from shuttle flight 51-F

[NASA-CR-178540] p 82 N86-16875 CRYSTALS In vivo detection, localization and measurement of radionuclides in man: a detection system for the localization

and measurement of small amounts of photon emitters (DE85-017601) p 93 N86-16893

Does location cueing increase the efficiency of the e p 129 A86-23722 stages of perceptual processing? Tactual cuing can produce better performance than visual cuing p 239 A86-29920

Eye and head response to an attention cue in a dual task paradigm p 262 A86-33827 Design guidelines for the use of audio cues in computer

interfaces [DE85-015176] p 241 N86-23281

CULTURE TECHNIQUES

HLA-D: The T cell perspective

[AD-A160019] p 84 N86-17976 DNA and protein studies of HLA class 2 molecules: Their relationship to T cell recognition

p 116 N86-18968 [AD-A1607041 Design concepts for bioreactors in space

p 151 N86-19926 An analysis of the productivity of a CELSS continuous gal culture system p 151 N86-19927 algal culture system

Carbon dioxide evolution rate as a method to monitor and control an aerobic biological waste treatment p 151 N86-19930 Search for DNA host specificity systems in salmonella

p 210 N86-23247 typhi Experimental evaluation of pathogenicity of different p 211 N86-23254 variants of lassa virus

Standardization of conditions for measuring intensity of specific fluorescence in continuous cell cultures infected with variants of Japanese encephalitis virus p 211 N86-23255

Study of biosample preservation, handling, and	Changes in the hemostatis system of the animal	An analysis of potential predictive parameters of motion
observation facilities	organism due to granulocytopoiesis inhibition under	sickness using a computerized biophysical data acquisition
[ESA-CR(P)-2126] p 213 N86-24191 Biotechnica '85 International Congress for	reduced barometric pressure p 80 A86-21454	system
Biotechnology	Cytochemical studies of blood lymphocytes in the diagnosis and forecasting of changes in the functional	[AD-A164099] p 257 N86-25981
[AD-A165415] p 276 N86-26794	status of athletes p 89 A86-22540	A learning model as a basis for investigations of the effects of gravity on the learning processes and memory
Biotechnology: The US Department of Agriculture's	Intracellular pH shift leads to microtubule assembly and	formulation p 389 N86-29525
biotechnology research efforts [GAO/RCED-86-39BR] p 376 N86-29494	microtubule-mediated motility during sea urchin fertilization	Multiparameter data acquisition systems for studies of
Effects of simulated weightlessness on meiosis.	- Correlations between elevated intracellular pH and	Circadian rhythms [DE86-004041] p.398 N86-30308
Fertilization, and early development in mice	microtubule activity and depressed intracellular pH and microtubule disassembly p 82 A86-22709	Data collection via a quasi-experimental simulation
[NASA-CR-177106] p 410 N86-30342	Molecular archaeology of the mitochondrial genome	technology. Part 1: Multiple measurement of performance.
Advantages of the gas exchange approach to microbiological studies	p 104 A86-23996	excellence in complex and uncertain managerial tasks
[AD-A166887] p 393 N86-31207	Evaluation of radiation-induced damage in the	[AD-A167949] p 428 N86-32969  DATA BASE MANAGEMENT SYSTEMS
CURES	erythrocyte membranes of rats and dogs according to	ELF (Extremely Low Frequency) biological effects
Climatic cure on a practical level p 164 N86-21019 On the importance of cooling in climatic therapy	changes in the erythrocyte sedimentation behavior p 106 A86-24424	literature data base management system
p 165 N86-21020	Characterization and optimization of hydrogen	[AD-A162900] p 225 N86-24205
Meteorotropic changes of cardiac patients' blood	production by a salt water blue-green alga Oscillatoria sp.	DATA BASES The C23A system, an example of quantitative control
pressure and pulse frequency during a complex bath	Miami BG 7. II - Use of immobilization for enhancement	of plant growth associated with a data base
cure p 166 N86-21031 CURVATURE	of hydrogen production p 156 A86-28860 Effect of weightlessness on the development of	[SAE PAPER 851395] p 104 A86-23572
Fluid dynamic study in a femoral artery branch casting	neurosecretory structures of the	Cockpit information requirements analysis - A mission
of man with upstream main lumen curvature for steady	hypothalamo-hypophyseal system of the rat brain	orientation p 236 A86-29856 Cockpit design and evaluation data bases
flow p 397 A86-45254	(Electron-microscope study) p 157 A86-29174	p 236 A86-29857
CUSHIONS	Gravity sensing in animal cells p 192 A86-30389	Demographic and anthropometric assessment of US
Effect of seat cushions of human respone to +Gz impact p 145 A86-25652	Immunocytochemical localization of calmodulin in pea	Army anthropometric data base
A review of the pilot backache problem in the CH113	root caps and plumules and its relevance to hypothesis on gravitropism p 197 A86-30419	[AD-A164637] p 295 N86-26838  DATA CORRELATION
Labrador helicopter	Biochemical and morphological evaluation of the effects	Task parameters affecting individual differences in
[AD-A164011] p 256 N86-25113	of space flight on rat salivary glands	pursuit and compensatory tracking performance
CUTTERS Cutting head for ultrasonic lithotripsy	p 204 A86-30468	p 95 A86-20972
[NASA-CASE-GSC-12944-1] p 126 N86-19885	Microprobe analysis of epiphyseal plates from Spacelab	Simulated terrain following flight - Visual and radar terrain
CYANIDES	3 rats p 204 A86-30469	correlation requirements p 231 A86-29906 DATA PROCESSING
Inhalation toxicology 5: Evaluation of relative toxicity	Activation of cholesterogenesis under the effect of ionizing radiation on a living body p 207 A86-32697	Canadian automated pilot selection system
to rats of thermal decomposition products from two aircraft seat fire-blocking materials	Microtubule configurations during fertilization, mitosis,	p 231 A86-29908
[AD-A165034] p 277 N86-27866	and early development in the mouse and the requirement	Automatic and controlled processing approach to
CYBERNETICS	for egg microtubule-mediated motility during mammalian	interpreting vigilance performance p 259 A86-33777 Information processing in vigilance performance
A discrete control model of operator function - A	fertilization p 371 A86-40674	Complexity revisited p 259 A86-33778
methodology for information display design p 384 A86-41381	Nuclear lamins and peripheral nuclear antigens during	Age-dependent changes in information processing
Biocybernetic analysis of a hybrid workload model	fertilization and embryogenesis in mice and sea urchins p 371 A86-40675	abilities between 20 and 60 years p 260 A86-33788
[AD-A159033] p 63 N86-14880	Transient proton inflows during illumination of anaerobic	Rule-based analysis of pilot decisions p 261 A86-33816
CELSS science needs p 151 N86-19925	Halobacterium halobium cells p 374 A86-43436	The event related brain potential as an index of
CYCLES The effect of ultradian and arbital australian and arbital	The photobiological aspects of radiation damage in cells	information processing, cognitive activity, and skill
The effect of ultradian and orbital cycles on plant growth p 153 N86-19940	Russian book p 392 A86-44295	acquisition: A program of basic research
Man-machine systems of the 1990 decade: Cognitive	Effect of physical training in humans on the response of isolated fat cells to epinephrine p 418 A86-47868	[AD-A159118] p 43 N86-13897 A nonlinear regression procedure for evoked potential
factors and human interface issues	of isolated fat cells to epinephrine p 418 A86-47868  The frequency of sister chromatid exchanges in blood	data analysis
[AD-A163865] p 273 N86-25123	cells under prolonged hypokinesia p 421 A86-49272	[AD-A157680] p 53 N86-14839
CYCLIC AMP	Structural correlates of aging in Drosophila - Relevance	Multimodal versus unimodal information processing of
Microgravity changes in heart structure and cyclic-AMP metabolism p 203 A86-30465	to the cell differentiation, rate-of-living and free radical	words [AD-A160517] p 134 N86-18984
Cyclic adenosine-3',5'-monophosphate and cyclic	theories of aging p 415 A86-49999 Rapid identification of micro-organisms	A procedure-based approach to human information
guanosine-3',5'-monophosphate in the blood plasma of	[AD-A159945] p 107 N86-18952	processing models
mice injected with chemicals of different radioprotective	CYTOPLASM	[AD-A162454] p 181 N86-21144
efficiency p 276 A86-39718  CYCLIC COMPOUNDS	Response of amphibian egg non-yolk cytoplasm to	A methodology for the analysis and design of human information processing organizations
Hypnogenic activity of a cyclic structural analog of	gravity orientation p 195 A86-30407  Microtubule configurations during fertilization, mitosis,	[AD-A162083] p 235 N86-24214
delta-sleep-inducing peptide p 105 A86-24368	and early development in the mouse and the requirement	Man-machine systems of the 1990 decade: Cognitive
CYCLOTRON RADIATION	for egg microtubule-mediated motility during mammalian	factors and human interface issues
Biomedical research with cyclotron produced	fertilization p 371 A86-40674	[AD-A163865] p 273 N86-25123 The first cortical implant of a semiconductor
radionuclides [DE86-000327] p 221 N86-23269	Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments	multielectrode array. VER (Visual Evoked Responses) and
[DE86-000327] p 221 N86-23269  CYSTEINE	p 210 N86-23237	propagation analysis
Development and use of anucleated bacterial cells to	·	[AD-A164015] p 248 N86-25972
assay the in vivo activity of pollutants	D	Emergent techniques for assessment of visual performance
[AD-A162727] p 160 N86-22089	_	[PB86-144755] p 258 N86-25988
CYTOCHROMES  Application of cloatron transfer the service and a service transfer the service transfer transfer the service transfer transfer the service transfer transfer the service transfer transfer transfer the service transfer tra	DAMAGE ASSESSMENT	Information processing in mammalian visual cortex
Application of electron-transfer theory to several systems of biological interest		Processing in manager violation contax
	Assessing possible damage due to radio frequency	[AD-A165832] p 376 N86-28609
[DE85-015835] p 55 N86-15860	Assessing possible damage due to radio frequency radiation	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task
CYTOGENESIS	Assessing possible damage due to radio frequency	[AD-A165832] p 376 N86-28609
CYTOGENESIS Simulated hypogravity and synaptogenesis in culture	Assessing possible damage due to radio frequency radiation [AD-A166913] p 402 N86-31214  DARK ADAPTATION Photoconversion from the light-adapted to the	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980 DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329
CYTOGENESIS Simulated hypogravity and synaptogenesis in culture p 194 A86-30401	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980 DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329 DATA REDUCTION
CYTOGENESIS Simulated hypogravity and synaptogenesis in culture p 194 A86-30401 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin p 374 A86-43434	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980 DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329 DATA REDUCTION Reduction of subjective redundancy in image signals;
CYTOGENESIS Simulated hypogravity and synaptogenesis in culture p 194 A86-30401 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877 Effect of plasmids on virulence of pseudomonas	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980  DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329  DATA REDUCTION Reduction of subjective redundancy in image signals: Results obtained and research trends [FUB-24-1984] p 64 N86-14884
CYTOGENESIS Simulated hypogravity and synaptogenesis in culture p 194 A86-30401  Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin p 374 A86-43434 Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148  Effects of broad-banded eye protection on dark	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980  DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329  DATA REDUCTION  Reduction of subjective redundancy in image signals: Results obtained and research trends  [FUB-24-1984] p 64 N86-14884 Estimate of emotional stress during working activity
CYTOGENESIS Simulated hypogravity and synaptogenesis in culture p 194 A86-30401 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin p 374 A86-43434  Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148  Effects of broad-banded eye protection on dark adaptation p 284 N86-26817	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980  DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329  DATA REDUCTION Reduction of subjective redundancy in image signals: Results obtained and research trends [FUB-24-1984] p 64 N86-14884 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction
CYTOGENESIS Simulated hypogravity and synaptogenesis in culture p 194 A86-30401 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Modification of cytogenetic and physiological effects of	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin  p 374 A86-43434  Instrument lighting levels and AN/AVS-6 usage  [AD-A161538] p 187 N86-21148  Effects of broad-banded eye protection on dark adaptation  DARKMESS	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980  DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329  DATA REDUCTION  Reduction of subjective redundancy in image signals: Results obtained and research trends  [FUB-24-1984] p 64 N86-14884 Estimate of emotional stress during working activity
CYTOGENESIS Simulated hypogravity and synaptogenesis in culture p 194 A86-30401 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin p 374 A86-43434  Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148  Effects of broad-banded eye protection on dark adaptation p 284 N86-26817  DARKNESS  The effect of ultradian and orbital cycles on plant growth p 153 N86-19940	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980  DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329  DATA REDUCTION  Reduction of subjective redundancy in image signals: Results obtained and research trends  [FUB-24-1984] p 64 N86-14884 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259  DATA SYSTEMS  Automated anthropometric data measurement system
CYTOGENESIS Simulated hypogravity and synaptogenesis in culture p 194 A86-30401 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624 CYTOLOGY	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin p 374 A86-43434  Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148  Effects of broad-banded eye protection on dark adaptation p 284 N86-26817  DARKNESS  The effect of ultradian and orbital cycles on plant growth p 153 N86-19940  Circadian variation in host defense	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980  DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329  DATA REDUCTION Reduction of subjective redundancy in image signals: Results obtained and research trends  [FUB-24-1984] p 64 N86-14884 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259  DATA SYSTEMS Automated anthropometric data measurement system [AD-D012299] p 443 N86-33017
CYTOGENESIS Simulated hypogravity and synaptogenesis in culture p 194 A86-30401 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624 CYTOLOGY Molecular mechanisms of cell death induced by radiation	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin  p 374 A86-43434  Instrument lighting levels and AN/AVS-6 usage  [AD-A161538] p 187 N86-21148  Effects of broad-banded eye protection on dark adaptation  DARKNESS  The effect of ultradian and orbital cycles on plant growth  Circadian variation in host defense  [AD-A161702] p 158 N86-21098	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980  DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329  DATA REDUCTION Reduction of subjective redundancy in image signals: Results obtained and research trends [FUB-24-1984] p 64 N86-14884 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259  DATA SYSTEMS Automated anthropometric data measurement system [AD-D012299] p 443 N86-33017  DATA TRANSMISSION
CYTOGENESIS Simulated hypogravity and synaptogenesis in culture p 194 A86-30401 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624 CYTOLOGY Molecular mechanisms of cell death induced by radiation Russian book p 27 A86-15474	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin p 374 A86-43434  Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148  Effects of broad-banded eye protection on dark adaptation p 284 N86-26817  DARKNESS  The effect of ultradian and orbital cycles on plant growth p 153 N86-19940  Circadian variation in host defense	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980  DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329  DATA REDUCTION Reduction of subjective redundancy in image signals: Results obtained and research trends  [FUB-24-1984] p 64 N86-14884 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259  DATA SYSTEMS Automated anthropometric data measurement system [AD-D012299] p 443 N86-33017
CYTOGENESIS Simulated hypogravity and synaptogenesis in culture p 194 A86-30401 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624 CYTOLOGY Molecular mechanisms of cell death induced by radiation Russian book p 27 A86-15474 Red blood cell decreases of microgravity	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin p 374 A86-43434  Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148  Effects of broad-banded eye protection on dark adaptation p 284 N86-26817  DARKMESS  The effect of ultradian and orbital cycles on plant growth p 153 N86-19940  Circadian variation in host defense [AD-A161702] p 158 N86-21098  DATA ACQUISITION  Limb Restraint Evaluator (LRE) p 96 A86-19329  Epidemiological supervision of poliomyelitis	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980  DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329  DATA REDUCTION Reduction of subjective redundancy in image signals: Results obtained and research trends  [FUB-24-1984] p 64 N86-14884 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259  DATA SYSTEMS Automated anthropometric data measurement system [AD-D012299] p 443 N86-33017  DATA TRANSMISSION Power and signal transmission for mobile teleoperated systems  [DE85-013994] p 45 N86-12975
CYTOGENESIS  Simulated hypogravity and synaptogenesis in culture p 194 A86-30401  Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds (NASA-TM-87987) p 386 N86-28624  CYTOLOGY  Molecular mechanisms of cell death induced by radiation Russian book p 27 A86-15474  Red blood cell decreases of microgravity  [IAF PAPER 85-324] p 36 A86-15829	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin p 374 A86-43434 Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148  Effects of broad-banded eye protection on dark adaptation p 284 N86-26817  DARKNESS  The effect of ultradian and orbital cycles on plant growth p 153 N86-19940  Circadian variation in host defense [AD-A161702] p 158 N86-21098  DATA ACQUISITION  Limb Restraint Evaluator (LRE) p 96 A86-19329  Epidemiological supervision of poliomyelitis p 118 N86-19835	Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980  DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329  DATA REDUCTION  Reduction of subjective redundancy in image signals: Results obtained and research trends  [FUB-24-1984] p 64 N86-14884 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259  DATA SYSTEMS  Automated anthropometric data measurement system [AD-D012299] p 443 N86-33017  DATA TRANSMISSION  Power and signal transmission for mobile teleoperated systems  [DE85-013994] p 45 N86-12975  Absolute judgment versus absolute magnitude
CYTOGENESIS  Simulated hypogravity and synaptogenesis in culture p 194 A86-30401  Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  CYTOLOGY  Molecular mechanisms of cell death induced by radiation Russian book p 27 A86-15474  Red blood cell decreases of microgravity [IAF PAPER 85-324] p 36 A86-15829  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin p 374 A86-43434  Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148  Effects of broad-banded eye protection on dark adaptation p 284 N86-26817  DARKNESS  The effect of ultradian and orbital cycles on plant growth p 153 N86-19940  Circadian variation in host defense [AD-A161702] p 158 N86-21098  DATA ACQUISITION  Limb Restraint Evaluator (LRE) p 96 A86-19329  Epidemiological supervision of poliomyelitis p 118 N86-19835  Local climatic particularities and their importance for	[AD-A165832] p 376 N86-28609 Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980  DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329  DATA REDUCTION Reduction of subjective redundancy in image signals: Results obtained and research trends [FUB-24-1984] p 64 N86-14884 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259  DATA SYSTEMS Automated anthropometric data measurement system [AD-D012299] p 443 N86-33017  DATA TRANSMISSION Power and signal transmission for mobile teleoperated systems [DE85-013994] p 45 N86-12975 Absolute judgment versus absolute magnitude estimation to convey information through symbol
CYTOGENESIS  Simulated hypogravity and synaptogenesis in culture p 194 A86-30401  Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877  Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237  Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624  CYTOLOGY  Molecular mechanisms of cell death induced by radiation Russian book p 27 A86-15474  Red blood cell decreases of microgravity [IAF PAPER 85-324] p 36 A86-15829  Changes in the morphofunctional and cytochemical	Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  DARK ADAPTATION  Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin p 374 A86-43434 Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148  Effects of broad-banded eye protection on dark adaptation p 284 N86-26817  DARKNESS  The effect of ultradian and orbital cycles on plant growth p 153 N86-19940  Circadian variation in host defense [AD-A161702] p 158 N86-21098  DATA ACQUISITION  Limb Restraint Evaluator (LRE) p 96 A86-19329  Epidemiological supervision of poliomyelitis p 118 N86-19835	Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980  DATA RECORDERS Limb Restraint Evaluator (LRE) p 96 A86-19329  DATA REDUCTION  Reduction of subjective redundancy in image signals: Results obtained and research trends  [FUB-24-1984] p 64 N86-14884 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259  DATA SYSTEMS  Automated anthropometric data measurement system [AD-D012299] p 443 N86-33017  DATA TRANSMISSION  Power and signal transmission for mobile teleoperated systems  [DE85-013994] p 45 N86-12975  Absolute judgment versus absolute magnitude

Automated anthropometric data measurement system	The psychology of decision making military	Effect of low and high environmental temperatures on
[AD-D012299] p 443 N86-33017	commanders p 427 N86-32096	decompression sickness in the aging rat
DEACTIVATION	Artificial intelligence and the Rule Oriented System	p 126 N86-19884
Force and timing components of the motor program [AD-A157584] p 17 N86-11843	Simulation (ROSS) language — military commanders p 427 N86-32097	Human central hemodynamics during lower limb
DEATH	Human problem solving in fault diagnosis tasks	decompression p 286 N86-27887 Hypobaric training of flight personnel without
Molecular mechanisms of cell death induced by radiation	[AD-A167397] p 434 N86-32104	Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327
Russian book p 27 A86-15474	Data collection via a quasi-experimental simulation	DECONDITIONING
Topical hazard evaluation program of Candidate Insect	technology. Part 1: Multiple measurement of performance excellence in complex and uncertain managerial tasks	Cardiovascular deconditioning during space flight and
repellent Al3-35770 Hexahydro-1-( (2-Methylcyclohexyl) Carbonyl)-1-H-Azepine	[AD-A167949] p 428 N86-32969	the use of saline as a countermeasure to orthostatic
[AD-A158386] p 68 N86-15903	Twenty-First Annual Conference on Manual Control	intolerance p 8 A86-10257
A survey of aseptic bone negrosis in Turkish sponge	[NASA-CP-2428] p 436 N86-32976	Cardiac reserve during weightlessness simulation and shuttle flight
divers, interim report p 124 N86-19871	Aircrew coordination and decisionmaking: Peer ratings of video tapes made during a full mission simulation	[NASA-CR-177085] p 380 N86-29497
Early detection and treatment of avascular bone necrosis	p 440 N86-32999	DECONTAMINATION
in divers p 124 N86-19872	An experimental paradigm for team decision	Psychological aspects of personnel contamination
DECIMETER WAVES  The effect of electromagnetic radiation in the decimeter	processes p 440 N86-33000	[DE85-012955] p 21 N86-11853
wavelength range on the neuronal calcium current in	Investigation of crew performance in a multi-vehicle supervisory control task p 440 N86-33001	Accidental exposure to americium
mollusks p 247 A86-36494	supervisory control task p 440 N86-33001  DECISION THEORY	[DE85-012794] p 39 N86-12965 Development of U.S. Army reverse osmosis water
DECISION MAKING	Bug distribution and pattern classification	purification equipment
Operator loading effects in a simulated tactical	[AD-A157898] p 95 N86-16899	[AD-A165667] p 385 N86-28621
decision-making problem p 130 A86-23739	Schema-based theory of information presentation for distributed decision making	DEGRADATION
Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002	[AD-A163150] p 266 N86-25992	Mass loss of shuttle space suit orthofabric under
Al applications to military pilot decision aiding - A	The psychology of decision making military	simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899
perspective on transition	commanders p 427 N86-32096	DEHYDRATED FOOD
[SAE PAPER 841533] p 146 A86-26004	DECISIONS	Evaluation of water sterilizing tablets
Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005	The decision to fly by aircraft pilots [SAE PAPER 841613] p 132 A86-26024	[AD-A165806] p 385 N86-28622
Modeling of perception and decision-making	DECLINATION	DEHYDRATION  Thermoregulatory and blood responses during exercise
processes p 183 A86-27094	Preferred declination of the line of sight	at graded hypohydration levels p 36 A86-16052
European Annual Conference on Human Decision	p 406 A86-45014	Plasma hormonal responses at graded hypohydration
Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285	DECOMPOSITION Isotopic characterisation of prebiotic synthesis of organic	levels during exercise-heat stress
A review of critical in-flight events research	material p 300 N86-26865	[AD-A164941] p 86 A86-20004
methodology p 228 A86-29886	DECOMPRESSION SICKNESS	Mechanism for negative water balance during weightlessness An hypothesis p 91 A86-22664
Judgment training effectiveness and permanency	Electrocardiographic changes in serious decompression	Transient dehydration of lungs in tail-suspended rats
p 228 A86-29888	sickness [AD-A160944] p 2 A86-10254	p 200 A86-30438
Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890	[AD-A160944] p 2 A86-10254 The bends at high altitude p 32 A86-13573	Water and electrolytes in human bodies
The functional age profile - An objective decision criterion	Decompression outcome following saturation dives with	p 376 A86-40660 Circulatory and thermoregulatory actions of hydration
for the assessment of pilot performance capacities and	multiple inert gases in rats	during exercise-heat stress
capabilities p 234 A86-31823	[AD-A163720] p 28 A86-16054	[AD-A158440] p 63 N86-14875
Expert computer aided decision in supervisory control p 241 A86-33188	Additional pressurisation for treating nonresponding cases of serious air decompression sickness	Simultaneous determination of fluid shifts during thermal
The use of signal detection theory in research on	p 58 A86-18831	stress in a small animal model [AD-A159363] p 83 N86-16877
human-computer interaction p 266 A86-33779	Decompression sickness and intravenous bubble	Urinary and hematological indices of hypohydration
Rule-based analysis of pilot decisions	formation using a 7.8 psi simulated pressure-suit	[AD-A165015] p 289 N86-27917
p 261 A86-33816 A comparison of operator performance in manual and	environment p 85 A86-19347 Physiological considerations for EVA in the Space	DEMOGRAPHY
automated versions of a dynamic decision-making task	Station era	AIDS-free USSR monitoring potential outbreak there
p 262 A86-33825	[SAE PAPER 851313] p 111 A86-23504	p 218 N86-23235 Demographic and anthropometric assessment of US
Psychological Sciences Division 1984 programs	Minimum pressure for a zero-prebreathe pressure suit	Army anthropometric data base
[AD-A156631] p 20 N86-10779 Extended analysis of the structure of error scores in	[SAE PAPER 851315] p 137 A86-23505 On the use of a bubble formation model to calculate	[AD-A164637] p 295 N86-26838
psychological aptitude tests	diving tables p 114 A86-25658	Automated anthropometric data measurement system [AD-D012299] p 443 N86-33017
[DFVLR-FB-85-20] p 20 N86-10780	Spinal cord decompression sickness - A comparison of	[AD-D012299] p 443 N86-33017 A collation of United States Air Force anthropometry
Path error-neglection in straight lane driving	recompression therapies in an animal model	[AD-A168485] p 443 N86-33019
[IZF-1984-32] p 20 N86-10783	p 372 A86-41784	DENITROGENATION
Alerted monitors: Human operators aided by automated detectors	A blitz of bends - Decompression sickness in four students after hypobaric chamber training	Halobacterium denitrificans sp. nov., an extremely
[PB85-222750] p.47 N86-13906	p 378 A86-41790	halophilic denitrifying bacterium p 374 A86-43438 Halobacterium denitrificans sp. nov An extremely
A computer model of case-based reasoning in problem	How well mixed is inert gas in tissues?	halophilic denitrifying bacterium p 414 A86-49524
solving: An investigation in the domain of dispute	p 391 A86-44197	DENSITOMETERS
mediation [AD-A158097] p 73 N86-15912	Design of a portable, collapsible hyperbaric chamber p 430 A86-47732	Method of high-precision microsampled blood and
Operator environment in the nineties	Evaluation of 9.5 PSIA as a suit pressure for prolonged	plasma mass densitometry p 419 A86-49250 DENSITY (MASS/VOLUME)
[FOA-A-50002-H2] p 99 N86-16905	extravehicular activity p 417 A86-47741	Plasma volume methodology: Evans blue,
The clinical prediction of dangerousness	The relationship of intravascular bubbles to bends at	hemoglobin-hematocrit, and mass density
[AD-A160820] p 135 N86-19899 On the analysis and design of human information	altitude p 418 A86-47765 Drugs and surfactants used to prevent caisson disease	transformations
processing organizations	in rats p 54 N86-14868	[NASA-TM-86834] p 37 N86-12956 DENSITY MEASUREMENT
[AD-A161015] p 136 N86-19902	The Eleventh Annual Meeting of the European Undersea	Continuous blood densitometry - Fluid shifts after graded
Problems of city planning meteorological	Biomedical Society (EUBS) on Diving and Hyperbaric	hemorrhage in animals p 392 A86-45251
parameters p 169 N86-21049	Medicine	DENTISTRY
Problems in city climate evaluation in human biometeorological terms p 169 N86-21050	[FOA-C-50021-H1] p 121 N86-19854	Dental evaluation of cosmonauts p 11 A86-12432
Schema-based theory of information presentation for	Explaining the unexplained dysbaric sport diving accidents p 123 N86-19864	Electron microprobe analyses of Ca, S, Mg and P distribution in incisors of Spacelab-3 rats
distributed decision making	Repetitive decompression tables for no-stop excursions	p 202 A86-30455
[AD-A163150] p 266 N86-25992	from saturation underwater habitats	A study of patient's self-image during orthodontic
The role of elaborations in instructional texts: Learning to use the appropriate procedure at the appropriate time	p 125 N86-19876	treatment
[AD-A165211] p 291 N86-26833	Wet chamber dives to test algorithms for electronic	[AD-A160751] p 126 N86-19888 In vitro comparison of zinc phosphate and glass
A model and experimental analysis of pilot decision	decompressioneters p 125 N86-19878	ionomers ability to inhibit decalcification under and
making behavior for various automatic approach	An appraisal of dive profiles in shellfish divers with reference to the risk of decompression sickness	adjacent to orthodontic bands
conditions [NLR-TR-84037-U] p 292 N86-26835	p 125 N86-19879	[AD-A160881] p 127 N86-19889
[NLR-TR-84037-U] p 292 N86-26835 Pilot interaction with automated airborne decision	Alternatives to standard air tables diver	DEOXYRIBONUCLEIC ACID  Effect of seven days of spaceflight on hindlimb muscle
making systems	decompression p 125 N86-19880	protein, RNA and DNA in adult rats p 204 A86-30471
[NASA-CR-176986] p 408 N86-31218	The influence of individual factors in man on bubble	Positively supercoiled DNA in a virus-like particle of an
Representation for closed form significance testing in VL1 p.408 N86-31219	formation in air diving decompression	archaebacterium p 372 A86-40879
VL1 p 408 N86-31219 A discrete control model of PLANT	p 125 N86-19881 Less bubble formation in women divers	Somatic cell and molecular genetics approach to DNA repair and mutagenesis
p 408 N86-31220	p 126 N86-19883	[DE85-014181] p.4 N86-10737

Relationship between alkylation sites and induction of
dominant lethals and heritable translocations in mice
[DE85-014309] p 7 N86-11835 Dose distribution and the relative biological effectiveness
of internal alpha emitters
[DE85-013041] p 17 N86-11845
Prospects for DNA methods to measure human heritable
mutation rates [DE85-014555] p 17 N86-11847
Molecular mechanisms of mutagenesis determined by
the recombinant DNA technology
[DE85-016353] p 30 N86-13884
Quantitative models describing the kinetics of tumor cell
proliferation: A comparison to experimental data [CWI-AM-R8418] p 53 N86-14844
Advances in radiobiological research: Hypoxic
irradiation effects p 57 N86-15894
DNA and protein studies of HLA class 2 molecules: Their
relationship to T cell recognition
[AD-A160704] p 116 N86-18968 Covalent crosslinks between filaments in DNA induced
by laser p 109 N86-19839
New roles for computation in the life sciences
[DE85-017542] p 158 N86-21100
Lymphocyte activation - regulatory substances
[AD-A162683] p 160 N86-22087
Production of gene bank from cotton plant chloroplast DNA foi HC/MF p 210 N86-23228
Search for DNA host specificity systems in salmonella
typhi p 210 N86-23247
Cloning and expression of leptospira pomona hemolysin
gene in escherichia coli p 211 N86-23249
Cloning and analysis of genes for anthrax toxin components
[AD-A161901] p 212 N86-24186
DNA analysis of epithelial cell suspensions
[DE86-002403] p 249 N86-25977
Intramolecular interactions in aminoacyl nucleotides:
Implications regarding the origin of genetic coding and
protein synthesis p 302 N86-26873
Base pairing and base mis-pairing in nucleic acids
p 304 N86-26881 Investigations with methanobacteria and with evolution
of the genetic code p 306 N86-26890
Thioredoxins in evolutionarily primitive organisms
DEPLETION
DEPLETION Magnetic separation device
Magnetic separation device [AD-D012163] p 249 N86-25975
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION
Magnetic separation device [AD-D012163] p 249 N86-25975
DEPLETION  Magnetic separation device [AD-D012163]  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study  DEPRIVATION  A86-30169
DEPLETION  Magnetic separation device [AD-D012163]  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study  DEPRIVATION  Mild hypoxia and visual performance with night vision
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787
DEPLETION  Magnetic separation device [AD-D012163]  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969]  DESALINIZATION  Magnetic separation device p 249  N86-29757  A86-30169  DEPRIVATION  N86-10787
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787
DEPLETION  Magnetic separation device [AD-D012163]  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969]  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667]  p 385 N86-28621
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection
DEPLETION  Magnetic separation device [AD-D012163]  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Ascool deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902 Increasing sensitivity to optical information specifying
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902 Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904 Optical and event-duration variables affecting self-motion perception
DEPLETION  Magnetic separation device [AD-D012163]  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969]  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667]  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude  Optical and event-duration self-motion perception [AD-A161836]  P 223 N86-24194
DEPLETION   Magnetic separation device [AD-D012163]   p 249   N86-25975
DEPLETION  Magnetic separation device [AD-D012163]  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902 Increasing sensitivity to optical information specifying loss in altitude Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194 Respiratory response and muscle function during isometric handgrip exercise at high altitude
DEPLETION  Magnetic separation device [AD-D012163]  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969]  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667]  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration p 230 A86-29904  Optical and event-duration self-motion perception [AD-A161836]  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003]  P 223 N86-24198
Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902 Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration p 230 A86-29904  Optical and event-duration self-motion perception [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198  DESENSITIZING
DEPLETION  Magnetic separation device [AD-D012163]  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969]  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667]  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration p 230 A86-29904  Optical and event-duration self-motion perception [AD-A161836]  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003]  P 223 N86-24198
DEPLETION   Magnetic separation device [AD-D012163]   p 249   N86-25975
Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902 Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904 Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902 Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003]  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26997
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902 Increasing sensitivity to optical information specifying loss in altitude [AD-A163836] p 230 A86-29904  Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26897
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003]  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold des-rt: Possible implications for Mars p 307 N86-26897  DESIGN ANALYSIS  Evolution of the Shuttle Extravehicular Mobility Unit's
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902 Increasing sensitivity to optical information specifying loss in altitude [AD-A163836] p 230 A86-29904  Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26897
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165687] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26897  DESIGN ANALYSIS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26897  DESIGN ANALYSIS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-2522  The WPI space glove design project
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude (AD-A162003) p 223 N86-24198  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26897  DESIGN ANALYSIS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522  The WPI space glove design project  p 383 A86-40522  An updated model for a Space Station Health
DEPLETION  Magnetic separation device [AD-D012163]  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969]  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667]  DESCENT  The effects of preview period on descent detection p 230 A86-29902 Increasing sensitivity to optical information specifying loss in altitude  P 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude  P 230 A86-29904  Optical and event-duration variables affecting self-motion perception [AD-A161836]  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003]  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force  P 59 A86-18832  DESERTS  Alcohol effects on brain  Microfossils in the Antarctic cold desert: Possible implications for Mars  P 307 N86-26997  DESIGN ANALYSIS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system  [SAE PAPER 851333]  P 137 A86-2522  An updated model for a Space Station Health Maintenance Facility
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003]  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26997  DESIGN ANALYSIS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522  An updated model for a Space Station Health Maintenance Facility [AIAA PAPER 86-2303] p 397 A86-46938
Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165687] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26897  DESIGN ANALYSIS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522  An updated model for a Space Station Health Maintenance Facility [AIAA PAPER 86-2303] p 397 A86-46938  Design for a goal-oriented telerobotic system
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29902  DESENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29902  Desensition perception  [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude  [AD-A162003] p 223 N86-24194  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18322  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26897  DESIGN ANALYSIS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system  [SAE PAPER 851333] p 137 A86-23522  The WPI space glove design project p 383 A86-40522  An updated model for a Space Station Health Maintenance Facility  [AIAA PAPER 86-2090] p 429 A86-47440
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902 Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration variables affecting p 230 A86-29904  Optical and event-duration variables affecting isometric handgrip exercise at high altitude [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198  DESSENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26997  DESIGN ANALYSIS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522  An updated model for a Space Station Health Maintenance Facility [AIAA PAPER 86-2303] p 429 A86-47440 Improved flexibility of an EVA glove
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902  Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration variables affecting self-motion perception [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198  DESENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26897  DESIGN ANALYSIS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-2522  An updated model for a Space Station Health Maintenance Facility [AIAA PAPER 86-2303] p 397 A86-46938  Design for a goal-oriented telerobotic system [AIAA PAPER 86-2303] p 397 A86-47440  Improved flexibility of an EVA glove
DEPLETION  Magnetic separation device [AD-D012163] p 249 N86-25975  DEPOSITION  Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169  DEPRIVATION  Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  DESALINIZATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  DESCENT  The effects of preview period on descent detection p 230 A86-29902 Increasing sensitivity to optical information specifying loss in altitude p 230 A86-29904  Optical and event-duration variables affecting p 230 A86-29904  Optical and event-duration variables affecting isometric handgrip exercise at high altitude [AD-A161836] p 223 N86-24194  Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198  DESSENSITIZING  The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832  DESERTS  Alcohol effects on brain p 64 N86-14887  Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26997  DESIGN ANALYSIS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522  An updated model for a Space Station Health Maintenance Facility [AIAA PAPER 86-2303] p 429 A86-47440 Improved flexibility of an EVA glove

```
Human factors engineering design criteria for future
                                                           DIESEL FUELS
  systems. Report number 3: Design criteria evolving from
  the Multiple Multiple Rocket System (MLRS) operational
 [AD-A1583161
                                     p 76 N86-15916
                                                              Mouse Skin Tumorigenesis Bioassay System
   Advanced servomanipulator development
                                                              AD-A1597281
                                                                                                p 114 N86-18962
                                    p 100 N86-17989
 [DE85-0177201
                                                            DIETS
   Fiberoptics immunofluorescence spectroscopy for
                                                                Hygenic aspects of regular diet of flight personnel
  chemical and biological monitoring
                                                                                                  p 60 N86-14849
  IDE86-0022391
                                    p 225 N86-24209
                                                              metabolism of hypokinetic rats
DESYNCHRONIZATION (BIOLOGY)
   Disturbance of the multiperiodic synchronization of the
                                                              exercise: A general model
   eart-beat and respiratory rhythms after transmeridian
                                                              AD-A1616781
                                                                                                 p 176 N86-22098
  flights through three time zones
                                      p 88 A86-22533
                                                            DIFFERENTIAL FOLIATIONS
    The risk of arterial hypertension and the features of
                                                                A computer model of driver response
  functional brain asymmetry in workers employed in
                                                              [UTIAS-293]
  regularly repeated expedition-type work
                                      p 88 A86-22534
                                                              body model
    An experimental trial to test the efficacy of temazepam
                                                              [AD-A162518]
                                                                                                 p 177 N86-22101
  to induce sleep and improve subsequent performance
                                                            DIFFERENTIATION (BIOLOGY)
  during partial sleep deprivation and circadian rhythm
                                                                Changes in the morphological and molecular biological
  desynchronosis
  (AD-A1607951
                                    p 116 N86-18972
                                                              under micro a conditions
DETECTION
    The use of brain evoked response in a critical event
                                                              mutations and to study the effects of zero-gravity
  detection task
                                    p 261 A86-33819
                                                              environment on embryo development
   Detection of system failure by human operator. I - The
  case of monitor
                                    p 403 A86-43535
    Enhancing sensitivity to visual motion and enhancing
  visual sensitivity
                                                              a conditions
                                                                                                 p 389
                                                                                                        N86-29530
  [AD-A158800]
                                                            DIFFRACTION PATTERNS
                                      p 40 N86-13889
                                                                Small X-ray diffraction of immunoglobulin-membrane
    Development of vaccines to the mycotoxin T-2
  [AD-A158544]
                                      p 63 N86-14877
                                                              complexes
                                                               AD-A1582521
    Theoretical and experimental analysis of pilot failure
                                                            DIFFUSION ELECTRODES
  detection behavior during various automatic approach
                                                                Enzyme cofactor modified electrodes
                                                               AD-A1656041
  [NLR-MP-83025-U1
                                      p 72 N86-14895
                                                            DIGESTIVE SYSTEM
    Device for combined study of visual tracking and verbal
                                    p 175 N86-21133
  activity
    Optical
            and event-duration
                                   variables affecting
  self-motion perception
                                                                                                 p 391
                                     p 223 N86-24194
  [AD-A161836]
DETONATION WAVES
                                                              changes
    The effect of impulse intensity and the number of
  impulses on hearing and cochlear pathology in the
                                                              caudatum structure and behavior
  chinchilla
                                                              [DFVLR-FB-85-40]
  [AD-A161230]
                                     p 109 N86-19827
DEW POINT
                                                              Paramecium caudatum
    Effectiveness of an air-cooled vest using selected air
                                                                                                 p 416 N86-32087
  temperature and humidity combinations
                                                            DIGITAL COMPUTERS
  [AD-A162026]
                                    p 242 N86-24219
                                                                p 233 A86-30362
The first cortical implant of a semiconductor
DIAGNOSIS
    Retrospective analysis of Naval Special Boards of Flight
  Surgeons, 1974-83
                                    p 251 A86-33763
                                                              propagation analysis
    Prospects for using millimeter-band electromagnetic
  radiation as an efficient way of obtaining information on
                                                              AD-A1640151
                                                            DIGITAL DATA
  specific processes in living organisms
                                     p 246 A86-35088
                                                                Comparison of novice and experienced pilots using
                                                              analog and digital flight displays
    Significance of vestibular recruitment and directional
  dominance of nystagmus in diagnostic tests
                                                            DIGITAL NAVIGATION
                                      p 62 N86-14864
                                                                Effects of digital altimetry on pilot workload
                                                               SAE PAPER 841489]
    Portable diagnostic radiometer
                                                                                                 p 132 A86-26019
  [AD-A157685]
                                      p 62 N86-14872
                                                                Effects of digital altimetry on pilot workload
                                                              [NASA-TM-86424]
    Exhibits
               concerning
                             sparing
                                        medicine
                                                                                                  p 42 N86-13892
  Zdravookhraneniye-85 at Moscow
                                     p 119 N86-19840
                                                            DIGITAL SIMULATION
    Early detection and treatment of avascular bone necrosis
  in divers
                                     p 124 N86-19872
    Group diagnosis as risk assessment in environment
                                     p 167 N86-21039
                                                            DIGITAL TECHNIQUES
  hvaiene
    Farm animals as source of versiniosis
                                     p 217 N86-23230
                                                                Stanford Hardware Development Program
    Test of erythrocyte antigen diagnostic agent for detecting
  antibodies to coxiella burnetti
                                     p 218 N86-23231
                                                                                                 p 309 N86-26910
    Detection of HBsAg in families of children with viral
                                                            DIGITAL IS
                                                                Effects of digital altimetry on pilot workload
  hepatitis B
    epatitis B p 218 N86-23232
Evaluation of radiation exposure from diagnostic
                                                              [SAE PAPER 841489]
                                                                                                        A86-26019
```

radiology examinations: General recommendations [PB86-125903]

p 222 N86-23273 Remote sensing of body signs and signatures p 224 N86-24199 [AD-A1621061

The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 DIALYSIS

Protein crystal growth results from shuttle flight 51-F INASA-CR-1785401 p 82 N86-16875

DIASTOLIC PRESSURE Hemodynamic parameters as related to different tolerance to head-pelvis accelerations

p 61 N86-14859 Analysis techniques for continuous twenty four hou ambulatory blood pressure patterns p 170 N86-21103 DIATOMIC MOLECULES

Diatoms on earth, comets, Europa and in interstellar p 410 A86-44354

Chemical characterization and toxicologic evaluation of airborne mixtures: Tumorigenicity studies of Diesel Fuel-2 Red Smoke Dye and Violet Smoke Dyes in the SENCAR

Effect of 24,25-dihydroxycholecalciferol on amino acid p 55 N86-14869 Mechanisms of bioenergetic homeostasis during

p 72 N86-15911 Incorporation of active elements into the articulated total

processes during early embryo development in amphibians p 388 N86-29522 Xiphophorus: A system to recognize radiation-induced

p 388 N86-29523 Questions on the evolution of the developmental program of the vertebrate inner ear under long term zero

p 29 N86-13882

p 375 N86-28607

Hypokinezia and space flight reflected on rats p 200 A86-30442

Digestive system rhythms and the body's biological A86-43676 The role of gravity in producing digestive system n 391 A86-43677

Investigations of the effects of gravity on Paramecium p 56 N86-15863

Influence of gravity on structure and behavior of

Simulator instructor task loading - The tide is turning

multielectrode array. VER (Visual Evoked Responses) and

p 248 N86-25972

p 227 A86-29865

Incorporating human operator considerations into existing weapon system analysis and quantification

p 184 A86-28438 A digital image processing facility for human factors

Effects of digital altimetry on pilot workload [NASA-TM-86424] p 42 N86-13892

DIHYDRIDES Effect of 24,25-dihydroxycholecalciferol on amino acid

metabolism of hypokinetic rats p 55 N86-14869 DIMENSIONS Method of calculating angular dimensions of flight

vehicle cockpit canopy casings p 76 N86-15886 DIMERS

Sequence polymorphism of HLA-DR beta 1 alleles relating to T cell-recognized determinants

[AD-A160237] p 107 N86-18956 DIPHOSPHATES

Effect of diphosphonates on bones of hypokinetic rats p 279 N86-27890

DIRECT CURRENT

Electrical enhancement of healing

p 156 A86-28449

[AD-A158312]

p 74 N86-14897

A peripheral integrated status display - Is it really giving

p 267 A86-33791

the 'big picture' or is it a miniseries?

DIURESIS

of rats adapted to cold

Water excretion and natriuretic function in the kidneys

p 3 A86-12520

Design, construction and testing of a dc bioeffects Shadow mask display visibility - Human thresholds for Cardiorenal-endocrine responses to head-out immersion enclosure for small animals perception of misconvergence effects at night [DE05-016798] p 91 A86-22666 P 268 A86-33798
Teleoperation of legged vehicles - Unique problems associated with walking and foot placement p 29 N86-13883 DIURETICS DIRECTION The effect of spironolactone on the cardiocirculatory Improvement in direction discrimination - No role for eye responses to upright tilt at sea level and at simulated high movements p 234 A86-32073 p 268 A86-33811 An integrated display for vertical and translational flight altitude DISCIPLINING Eight factors affecting pilot performance [AD-A157734] p 39 N86-13887 When should pilot discipline end and pilot savvy Effect of dry immersion model on parameters of begin? p 228 A86-29891 D 264 A86-36175 fluid-electrolyte metabolism, blood plasma aldosterone Visual cue dominance hierarchies - Implications for DISEASES and cortisol levels in individuals differing in body fluid simulator design Analysis of the potential association noise-induced hearing loss and cardiovascular disease in [SAE PAPER 851946] p 65 N86-15875 p 265 A86-36947 DIURNAL VARIATIONS USAF aircrew members Importance of color displays in visual flight simulation p 250 A86-33760 Nocturnal periodic breathing at altitudes of 6,300 and p 381 A86-40484 Foodborne and waterborne disease outbreaks. A Visual display requirements for boom operator training 8,050 m p 419 A86-47875 compilation and subjective profile in aerial refueling Intradiurnial wakefulness-sleep organization [AD-A1585361 p 383 A86-40486 of p 63 N86-14876 A discrete control model of operator function - A sequence and energy metabolism in rats exposed to low Glucocorticoid antagonism by endotoxin: Biological methodology for information display design ambient temperature p 5 N86-10764 effects during stress and basis for inhibition of Analysis techniques for continuous twenty four hour phosphoenolpyruvate carboxykinase Visual accommodation and virtual image displays [AD-A160740] ambulatory blood pressure patterns p 170 N86-21103 p 116 N86-18969 Target detection and recognition
The Scientific Workstation DIVING (UNDERWATER) p 406 A86-45015 Review of duodenal and gastric ulcer Evaluation Project: On the use of a bubble formation model to calculate [AD-A160919] p 117 N86-18977 Multidisciplinary experience with a scientific workstation diving tables p 114 A86-25658 A survey of aseptic bone negrosis in Turkish sponge [ANL-84-1001 p 74 N86-14896 Some aspects of determining human physical work divers, interim report p 124 N86-19871 Team performance with large and small screen capacity under hyperbaric conditions p 76 N86-15867 Early detection and treatment of avascular bone necrosis Design guidelines for carbon dioxide scrubbers, revision in divers p 124 N86-19872 [AD-A1587611 p 75 N86-14899 The role of plant disease in the development of Color on displays. Part 1: The psychophysical and [AD-A160181] p 147 N86-18989 controlled ecological life support systems physiological aspects The Eleventh Annual Meeting of the European Undersea p 153 N86-19942 [IZF-1985-11] p 100 N86-17994 Biomedical Society (EUBS) on Diving and Hyperbaric Human engineering guidelines for the evaluation and ssessment of video display units Health and performance of antarctic winter-over personnel: A follow-up study Medicine [FOA-C-50021-H1] p 121 N86-19854 [AD-A161773] [TI85-016435] p 182 N86-22109 p 187 N86-21149 Diver response to hot water loss at depths greater than The effects of color-coding in geosit displays. 1: Color Diseases in CEMA countries p 211 N86-23252 300 meters: Experimental observations and theoretical as a redundant code DISORIENTATION terpretation p 121 N86-19855
The effects of the insulation properties of different dry interpretation [AD-A161107] Vision in spatial disorientation (SDO) and loss of p 181 N86-22108 A multiple-regression model of pilot performance in situational awareness p 226 A86-29853 suit systems on the diver's heat balance and comfort during vertical and translational flight DISPLACEMENT diving to 50 m p 121 N86-19856 [AD-A161364] p 188 N86-22115 Displacement thresholds in central and peripheral vision A study of human lymphocyte morphology from the A preliminary study of flat-panel displays peripheral circulation after hyperbaric exposure during tracking p 378 p 236 N86-24546 Fiber optic pressure sensors An evaluation of color sets for CRT displays p 121 N86-19857 skin-friction Enhancement of Pseudomonas aeruginosa virulence by measurements [AD-A163894] p 273 N86-25125 [NASA-CR-176294] hyperbaric atmosphere conditions p 122 N86-19858 p 16 N86-11838 The effects of color-coding in GEOSIT (geographical Some dominant frequencies of postural tremor are lower Dynamic behaviour of spherical and aspherical contact situational) displays. 2: Redundant versus non-redundant at 31 bar p 122 N86-19859 lenses exposed to +Gz-acceleration forces color-coding Lung volumes and dynamic compliance p 294 N86-26816 [AD-A166263] immersion and oxygen breathing D 122 N86-19860 **DISPLAY DEVICES** Absolute judgment versus absolute magnitude estimation to convey information through symbol Effects of dry and humidified breathing gas (air) at 37 Cognitive attributes to guide display design in automate C on pulmonary function in hyperbaric conditions command-and-control systems magnitude changes in CRT displays p 142 A86-23723 p 122 N86-19861 The effects of aerial perspective on altitude estimation [AD-A167059] p 434 N86-32103 Comparison of bradycardia breath-hold on divers and Variable contrast direct read-out vision tester p 130 A86-23730 nondivers: Its importance for the capacity visit of divers Message-based screen interfaces - The effects of [AD-D012273] p 423 N86-32955 p 122 N86-19863 presentation rates and task complexity on operator Force/torque display for space teleoperation control Explaining the unexplained dysbaric sport diving p 143 A86-23734 performance experiments and evaluation p 440 N86-33002 Effect of vibration on the readability of color CRT p 123 N86-19864 Model analysis of remotely controlled rendezvous and An attempt to counteract nitrogen narcosis by naloxone docking with display prediction p 441 N86-33003 [SAE PAPER 841466] administration p 123 N86-19865 p 146 A86-26009 Optimal cooperative control synthesis of active Utilizing computer graphics display technology --- for erospace systems p 185 A86-28441 Elevations of plasma endotoxin levels and lysosomal displays p 441 N86-33006 enzyme activities in divers during a simulated chamber aerospace systems The development and evaluation of color systems for Comparison of novice and experienced pilots using dive to 300 msw p 123 N86-19866 airborne applications: Fundamental visual, perceptual and Effects of intermittent exposure to hyperoxia in analog and digital flight displays p 227 A86-29865 display systems considerations operational diving p 123 N86-19868 Selecting color codes for a computer-generated topographic map based on perception experiments and p 443 N86-33020 A survey of aseptic bone negrosis in Turkish sponge DISSOCIATION divers, interim report p 124 N86-19871 functional requirements The dissociation of subjective measures of mental p 237 A86-29866 Early detection and treatment of avascular bone necrosis Luminance contrast requirements for legibility of symbols orkload and performance in divers divers p 124 N86-19872 Hygienic aspects of water supply for chamber sanitary on computer-generated map displays in aircraft cockpits [NASA-CR-176609] p 180 N86-21139 DISTANCE p 237 A86-29869 facilities, changes of divers' bacterial mouth flora and An investigation regarding the use of a dynamic seat-pan Heat acclimatization developed during summer running effectiveness of ear prophylaxis in saturation dives display for training and as a device for communicating in northeastern United States p 124 N86-19874 roll-axis motion information p 239 A86-29918 [AD-A162728] p 177 N86-22102 Psychological and physiological stress reactions among Effects of adaptation and display luminance on CRT DISTILLATION sports diver-students ports diver-students p 124 N86-19875 Repetitive decompression tables for no-stop excursions symbol recognition time p 240 A86-32315 Catalytic distillation water recovery subsystem Minimum colour differences required to recognise small [NASA-CR-177382] p 99 N86-16902 from saturation --- underwater habitats objects on a colour CRT p 240 A86-32316 Water recycling system using thermopervaporation The rastered eye - Vision in television p 125 N86-19876 Excursion limits in shallow water heliox saturation p 150 N86-19921 method p 240 A86-32317 DISTORTION Window of visibility - A psychophysical theory of fidelity in time-sampled visual motion displays divina p 125 N86-19877 Visual distortion - The correlation model Wet chamber dives to test algorithms for electronic [SAE PAPER 841595] p 114 A86-26026 decompressiometers p 125 N86-19878 p 240 A86-32451 An appraisal of dive profiles in shellfish divers with Permanent distortion of positional system of Xenopus Electronic displays --- Russian book reference to the risk of decompression sickness embryo by brief early perturbation in gravity p 241 A86-33322 p 125 N86-19879 Information display complexes --- Russian book p 106 A86-26180 Alternatives to standard air tables p 241 A86-33324 DISTRIBUTED PROCESSING decompression Human cognition and performance [AD-A157665] p 125 N86-19880 There's a voice in the sky - But can a picture tell you The influence of individual factors in man on bubble more? --- comparison between synthesized speech and p 42 N86-12970 formation in air diving decompression visual displays in presenting information in cockpits The Scientific Workstation Evaluation Project: p 125 N86-19881 Multidisciplinary experience with a scientific workstation p 266 A86-33781 Ultrasonic detection of circulating bubbles in ewes exposed to simulated dives deeper than 800 msw under [ANL-84-100] Feature positive coding effects on object localization p 74 N86-14896 p 267 A86-33789 DISTRIBUTION (PROPERTY) isobaric conditions and with unchanged gas mixtures Decluttering methods high density Studies of the electric field distribution in biological p 125 N86-19882 computer-generated graphic displays bodies. Experimental dosimetry at radiofrequencies Less bubble formation in women divers p 267 A86-33790 [AD-A1631561 N86-25976

p 126 N86-19883

p 126 N86-19884

Effect of low and high environmental temperatures on

decompression sickness in the aging rat

Concerning barotrauma of the lungs-translation	Mechanism of adaptogenic action of prickly	The effects of color-coding in geosit displays. 1: Color
[AD-A165006] p 289 N86-27914 Evaluation of the use of hydrogen-oxygen as a breathing	eleuterococcus on man during heat stress p 14 N86-10757	as a redundant code [AD-A161107] p 181 N86-22108
gas in deep-sea diving	An atropinized heat-stressed rat model: Anticholinergic	Human head/neck/upper-torso model response to
[AD-A165797] p 380 N86-29499 Elementary design guidelines for CO2 scrubbing with	and anticholinesterase drug potency [AD-A157620] p 6 N86-11832	dynamic loading p 221 N86-23266 Investigation of limb-sidestick dynamic interaction with
LiOH, technical manual	Anti-trypanosomal activity of platinum coordination	roll control p 438 N86-32991
[AD-A168850] p 444 N86-33022 <b>DOGS</b>	compounds [AD-D011860] p 67 N86-15897	DYNAMICAL SYSTEMS  Muscle vibrations and man-machine system dynamics
Roentgenological and pathomorphological changes in	[AD-D011860] p 67 N86-15897 Mesolimbic and nigrostriatal dopaminergic systems:	Russian book p 74 A86-18731
heart of dogs submitted to hypokinesia for six months	Behavioral neuropharmacology	Vertebrate gravity sensors as dynamic systems
p 54 N86-14856 The first cortical implant of a semiconductor	[AD-A160821] p 136 N86-19900 Experimental arrhythmia and its prevention	p 193 A86-30391
multielectrode array. VER (Visual Evoked Responses) and	p 174 N86-21129	Ε
propagation analysis [AD-A164015] p 248 N86-25972	The role of endorphins in the pathophysiology of hemorrhagic and endotoxic shock in the subhuman	-
The experimental determination of safe atmospheric	primate	EAR
exposure concentrations of JP-10 jet fuel	[AD-A162483] p 177 N86-22100	The effect of auricular electric stimulation on myelopeptide production and early reactions of blood
[AD-A163179] p 258 N86-25985 DOPA	Electric sleep method of preventing fatigue build-up in sailors on extended cruises p 235 N86-23248	systems cell populations in the presence of immobilization
Role of dopaminergic systems of neostriatum during the	Model of experimental pixuna virus infection in white	stress p 49 A86-16752 Practical application of basic research on impulse noise
activity of the central nervous system in man and animals p 208 A86-33070	mice p 211 N86-23253  Drugs of abuse in aviation fatalities. 1: Marijuana	hazard
The effect of radiation on the concentration and	[AD-A161911] p 223 N86-24196	[AD-A160432] p 115 N86-18964
metabolism of dopamine in the rat brain p 276 A86-39722	Effects of high altitude on neurological and pulmonary function: The effect of high altitude on visual evoked	Hygienic aspects of water supply for chamber sanitary facilities, changes of divers' bacterial mouth flora and
High pressure oxygen (OHP) induced increase of serum	potentials in humans on Mt. Everest	effectiveness of ear prophylaxis in saturation dives
prolactin is not due to a dopamine (DA)-receptor	[AD-A168335] p 424 N86-32959	p 124 N86-19874 Questions on the evolution of the developmental
blockade p 123 N86-19867 DOPPLER EFFECT	Effect of dexamethasone on symptoms of acute mountain sickness at Pikes Peak, Colorado (4300m)	program of the vertebrate inner ear under long term zero
Noninvasive Doppler determination of cardiac output	[AD-A168662] p 425 N86-32963	g conditions p 389 N86-29530 EAR PROTECTORS
during submaximal and peak exercise p 21 A86-10102	DRYING  Effect of dry immersion model on parameters of	Noise levels in cockpits of aircraft during normal cruise
DOPPLER NAVIGATION	fluid-electrolyte metabolism, blood plasma aldosterone	and considerations of auditory risk p 145 A86-25651
U.S. Army helicopter voice technology applications [SAE PAPER 841609] p 147 A86-26028	and cortisol levels in individuals differing in body fluid	Methods of measuring the attenuation of hearing protection devices p 406 A86-45073
DOSAGE	content p 65 N86-15875  DUMMIES	EARPHONES
Effect of various doses of some vitamins on non-specific	Limb Restraint Evaluator (LRE) p 96 A86-19329	Improving intelligibility in audio distribution systems p 186 A86-28513
mechanisms of adaptation of man p 13 N86-10750 Thyroid absorbed dose for people at Rongelap, Utirik	Could anthropometric dummy data be used to predict injury to humans? p 97 A86-19338	EARTH (PLANET)
and Sifo on March 1, 1954	The state of the art of anthropomorphic manikins and	Habitability of the early earth - Clues from the physiology
[DE85-014695] p 17 N86-11846 Acute pulmonary effects of formaldehyde exposure in	requirements for the evaluation of advanced aircraft ejection systems p 98 A86-19345	of nitrogen fixation and photosynthesis p 25 A86-14117
humans	Development of a mechanical analog of a human spine	Biological extinction in earth history
[DE85-014728] p 17 N86-11848	and viscera p 418 A86-47753	p 207 A86-32057 Structure and function of isozymes: Evolutionary
Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853	A comparison of the specific absorption rate in a homogeneous man model and a man model containing	aspects and role of oxygen in eucaryotic organisms
Benzodiazepine activity: Daytime effects and the sleep	realistic model bones	[NASA-CR-176286] p 6 N86-11831 The fossil record of evolution: Analysis of extinction
EEG [AD-A158702] p 63 N86-14879	[AD-A168547] p 424 N86-32960 DUST	p 308 N86-26901
Mesolimbic and nigrostriatal dopaminergic systems:	The biological efficiency of dust emmission:	EARTH ATMOSPHERE
Behavioral neuropharmacology [AD-A160821] p 136 N86-19900	Determination based on the withering degree of exposed lichens p 169 N86-21047	The viability with respect to temperature, of micro-organisms incident on the earth's atmosphere
Antiemetic drugs and pilot performance	lichens p 169 N86-21047 <b>DWELL</b>	p 410 A86-44358
[AD-A162109] p 224 N86-24200 Effects of atropine sulfate on aircrew performance	Analytical techniques of pilot scanning behavior and their	Climatic consequences of very high CO2 levels in Earth's early atmosphere p 308 N86-26904
[AD-A165063] p 290 N86-27919	application [NASA-TP-2525] p 292 N86-27920	EARTH CRUST
Acute oral toxicity (LD50) of guanidine hydrochloride in	DYES	Carbon exchange between the mantle and the crust and its effect upon the atmosphere: Today compared to
rats [AD-A165747] p 376 N86-28608	Bioassay of military relevant compounds for carcinogenic activity by the strain A mouse lung tumor	Archean time p 304 N86-26882
DOSIMETERS	bioassay	EARTH ENVIRONMENT
A handbook of radiation dosimetry and hygiene Russian book p 25 A86-13457	[AD-A156772] p 93 N86-17981	Planetary ecology; Proceedings of the Sixth International Symposium on Environmental Biogeochemistry, Santa Fe,
Application of meteorological and solar data in health	Chemical characterization and toxicologic evaluation of airborne mixtures: Tumorigenicity studies of Diesel Fuel-2,	NM, October 10-14, 1983 p 50 A86-18026
resort climatherapy p 170 N86-21067	Red Smoke Dye and Violet Smoke Dyes in the SENCAR	EARTH MANTLE  Carbon exchange between the mantle and the crust
Measurement techniques for use with technique/exposure guides	Mouse Skin Tumorigenesis Bioassay System [AD-A159728] p 114 N86-18962	and its effect upon the atmosphere: Today compared to
[PB86-123718] p 222 N86-23272	Magnetic separation device	Archean time p 304 N86-26882
Studies of the electric field distribution in biological bodies. Experimental dosimetry at radiofrequencies	[AD-D012163] p 249 N86-25975  DYNAMIC CHARACTERISTICS	EARTH ORBITAL ENVIRONMENTS  Utilization of space stations in the field of life sciences
[AD-A163156] p 249 N86-25976	Velocity coding - Evidence from perceived velocity	[IAF PAPER 85-51] p 35 A86-15637
DRAFT (GAS FLOW)	shifts p 94 A86-20900	Space Station Environmental Control/Life Support System engineering
Physical causes of air draft phenomena, new facts p 164 N86-21018	Model evalution of spinal injury likelihood for various ejection system paramater variations p 91 N86-16641	[SAE PAPER 851375] p 140 A86-23558
DRAINAGE	DYNAMIC LOADS	On the biological hazard of galactic antinuclei p 378 A86-43437
Kinetics of biological ferrous iron oxidation [DE85-014616] p 4 N86-10736	Human head/neck/upper-torso model response to dynamic loading p 221 N86-23266	EARTH-MOON SYSTEM
DRUGS p 4 (1666-10736	DYNAMIC MODELS	The lunar nodal tide and the distance to the Moon during
Comparison between the antihypoxic effectiveness of	The effects of ketamine on Rhesus monkey skeletal dynamics	the Precambrian era p 305 N86-26886 EATING
drugs and pressure-chamber training p 34 A86-15518  The effect of enkephalins on metabolic parameters of	[AD-A162848] p 213 N86-24189	Hygenic aspects of regular diet of flight personnel
rats in the presence of acute experimental blood loss	Model-based approaches for partitioning subjective	p 60 N86-14849 ECHOCARDIOGRAPHY
p 81 A86-22546	workload assessments [NASA-CR-177030] p 382 N86-29504	The effect of +Gz acceleration on cardiac volumes
Increased resistance of the brain to hypoxia due to a combination of lithium hydroxybutyrate and	DYNAMIC RESPONSE	determined by two-dimensional echocardiography p 58 A86-18547
indomethacine p 81 A86-22548	The use of ellipsoidal solids to display human body dynamic response p 272 A86-36852	Selection and medical testing of Mirage 2000 pilots:
Method for the quantitative determination of the	Determination of symmetry and phase in human visual	Report of echocardiography p 399 N86-30314
parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536	response functions: Theory and experiments	ECHOES Informativeness of echo signal in pulsed
A benzodiazepine used in the treatment of insomnia	p 15 N86-10769 A computer model of driver response	ultrasonography of the brain (with use of model)
phase-shifts - The mammalian circadian clock	[UTIAS-293] p 72 N86-15911	p 66 N86-15887
p 372 A86-40875 Changes in the blood coagulation system of rabbits	Head-spine structure modeling: Enhancements to secondary loading path model and validation of	ECOLOGY  Planetary ecology; Proceedings of the Sixth International
under conditions of acute hypoxia and some methods of	head-cervical spine model	Symposium on Environmental Biogeochemistry, Santa Fe,
its correction p 414 A86-49368	[AD-A161425] p 172 N86-21112	NM, October 10-14, 1983 p 50 A86-18026

nuclei during cold tremors

of Cosmos 1514

signals

Responses of cat red-nucleus neurons to auditory

Interaction of the thermoreceptor and vestibular signals

Early postnatal development of rats gestated during flight f Cosmos 1514 p 195 A86-30402

in the regulation of the activity of flexor and extensor motor

p 52 A86-18181

p 103 A86-23493

p 150 N86-19918

p 248 N86-25970

p 375 N86-28607

p 236 N86-24546

Photoenergy transduction in halobacterium halobium

Enzyme cofactor modified electrodes

A preliminary study of flat-panel displays

[NASA-CR-176673]

[AD-A165604]

ELECTROCHROMISM

SUBJECT INDEX		ELECTROCHROMISM
Adaptation of man to extreme conditions of Antarctica	Combined effects of stressors on the level of spinal	ELECTRIC SPARKS
p 13 N86-10751 CELSS science needs p 151 N86-19925	reliex arc structures n 62 NR6.14971	Synthesis and analysis in studies of chemical
Biomedical and environmental sciences at Oak Ridge	Use of tyrosine or foods to amplify catecholamine release	evolution p 300 N86-26864
National Laboratory	[AD-A160274] p 108 N86-18958	ELECTRIC STIMULI
[DE86-001639] p 161 N86-22091	Neurophysiological research supporting the	The use of reflex therapy in the prophylaxis and treatment of motion sickness p.31 A86-13300
USSR report: Life sciences. Biomedical and behavioral sciences	investigation of adaptive network architectures [AD-A166074] n.405 Nas.31316	Neck and oculomotor reflexes induced by electrical
[JPRS-UBB-86-009] p 376 N86-28610	[AD-A168074] p 405 N86-31216 Peripheral nerve injury in developing rats reorganizes	stimulation of the semicircular canal ampullae in the
ECONOMIC ANALYSIS	MOTOR CORTEX	pigeon p 26 A86-14595
Medical technology in space - Foreseeable economic	[AD-A168019] p 417 N86-32952	The effect of auricular electric stimulation on
issues p 155 A86-27878	Expedient methods of respiratory protection. 3:	myelopeptide production and early reactions of blood systems cell populations in the presence of immobilization
The human role in capacit Taskester	Submicron particle tests and summary of quality factors	stress populations in the presence of immobilization
The human role in space: Technology, economics and optimization Book p 272 A86-37037	[1105-0162/8] p.94 N86-17083	The alleviating effect of arbitrary movements on the
ECOSYSTEMS	EGGS	vestibulomotor p 216 A86-30898
Microbial mats and modern stromatolites in Shark Bay,	Chronic acceleration and egg production in domestic	Vection-induced gastric dysrhythmias and motion sickness
Western Australia p 51 A86-18027	Response of amphibian egg non-yolk cytoplasm to	[NASA-CR-176620] p 176 N86-22095
Environmental impact research program. Status and source of habitat models and literature reviews, December	gravity orientation p 195 A86-30407	ELECTRIC WELDING
1984	Amphibian fertilization and development in microgravity p. 195 ASS 30409	Oral changes in divers working with electrical equipment
[AD-A156899] p 28 N86-12950	EJECTION p 195 A86-30408	under water p 124 N86-19873
Interaction between Escherichia coli and lunar fines	Model evalution of spinal injury likelihood for various	ELECTRICAL IMPEDANCE Bioimpedance measurement with respect to pulsatile
P 30 N86-14088	ejection system paramater variations p.91 Nac-16641	pulmonary blood flow p 271 A86-36316
Cloning and analysis of genes for anthrax toxin	EJECTION INJURIES  Could anthropometric dummy data be used to predict	Human body impedance and threshold currents for
components	Injury to numans? p. 97 Ass. 19338	perception and pain for contact hazard analysis in the
[AD-A161901] p 212 N86-24186	Model evalution of spinal injury likelihood for various	VLF-MF band p 281 A86-39598
Effects of high attitude on neurological and pulmonary function: The effect of high attitude on visual evoked	ejection system paramater variations p 91 N86-16641	ELECTRICAL PROPERTIES  L-tryptophan administered to chronic sleep-onset
potentials in humans on Mt. Everest	EJECTION SEATS Limb Restraint Evaluator (LRE) p 96 A86-19329	insomiacs: Late-appearing reduction of sleep latency
[AD-A168335] p 424 N86-32959	Could anthropometric durinny data be used to predict	[AD-A163115] p 225 N86-24207
EDUCATION  Mathodo of constation the selection	Injury to humans? p. 97 Ass_10338	ELECTRICAL RESISTIVITY
Methods of regulating the adaptation and resistance processes in navy personnel p 110 A86-23495	Development of a mechanical analog of a human spine and viscera p 418 A86-47753	Changes in the blood electric conductivity caused by body immersion
Conserving instructional training resources through use	ELASTIC BODIES p 418 A86-47753	Electron reactions in model and biological systems
of the personalized system of instruction	Incorporation of active elements into the articulated total	[DE85-016062] p 55 N86-15861
p 129 A86-23719 Training aircraft accident investigators using	DODY MODEL	ELECTRO-OPTICS
rraining aircraft accident investigators using simulations p 233 A86-29928	[AD-A162518] p 177 N86-22101 ELASTOMERS	East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893
The WPI space glove design project	Development of an ultrafast-curing wound dressing	[JPHS-ESA-85-031] p 57 N86-15893 ELECTROCARDIOGRAPHY
p 383 A86-40522	[AD-A162471] p 177 N86-22099	Electrocardiographic changes in serious decompression
The helicopter to fixed wing conversion program: A critical review	ELBOW (ANATOMY)	SICKNess
[AD-A156820] p 42 N86-12968	Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619	[AD-A160944] p 2 A86-10254
Assessment of visuospatial abilities using complex	ELECTRIC CURRENT	A bidomain model for the extracellular potential and magnetic field of cardiac tissue p 206 A86-31224
cognitive tasks [AD-A158919] p 70 N86-14889	Human reactions to transient electric currents	Evaluation of precordial mapping before and after
[AU-A158919] p 70 N86-14889 East Europe report: Science and technology	[PB86-117280] p 222 N86-23277 ELECTRIC FIELDS	submaximal exercise amongst normal and asymptomatic
[JPRS-ESA-85-031] p.57 N86-15893	A model for the formation of the structure of the external	subjects with non specific ST-T abnormalities
A comparison of the effects of circuit weight training on men and women	electric field of humans p 183 A86-27500	p 251 A86-35290
[AD-A159419] p 69 N86-15910	Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates	An informational assessment of changes in the physiological characteristics of an operator under different
Proceedings of the Air Force Conference on Technology	[DE85-011992] p 30 N86-13885	work regimens p 271 A86-36527
in Training and Education (TITE)	Biological effects of electric fields	A practical attitude toward ventricular repolarization
[AD-A157829] p 95 N86-16897 Local and global factors in learning	[PB85-243467] p 93 N86-16895	abnormalities in flight crews p 282 A86-39773
[AD-A161128] p 136 N86-19904	Studies of the electric field distribution in biological bodies. Experimental dosimetry at radiofrequencies	An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography
Climatic cure on a practical level n 164 NR6-21010	[AD-A163156] p 249 N86-25976	p 377 A86-41400
Principles of instruction for successful assembly and repair	Effects of 60 Hz electric fields on operant and social	The inverse problem in electrocardiography - A model
[AD-A161280] p 180 N86-21142	stress behaviors of nonhuman primates [DE86-003748] p 310 N86-27923	study of the effects of geometry and conductivity
Personality type analysis of Air Force Institute of	[DE86-003748] p 310 N86-27923 Effects of 60 Hz electric fields on operant and social	parameters on the reconstruction of epicardial potentials p 394 A86-43750
Fechnology School of Systems and Logistics graduate	stress behavior of nonhuman primates	Assessment of state of chronotropic and inotropic heart
degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] p. 181 N86-22107	[DE86-005067] p 390 N86-29533	function at different degrees of physical fitness
An evaluation of tests of anaerobic power	Biological studies of swine exposed to 60-Hz electric fields. Volume 5: Hematology and serum chemistry	p 12 N86-10746
[AD-A162826] n 224 NRG-24203	[DE86-005362] p 411 N86-30344	Individual typological self-regulation of cardio-vascular system
Changes in fitness and shipboard task performance	Biological studies of swine exposed to 60-Hz electric	system p 13 N86-10752 Electrocardiogram in NEHB type leads of Macaca
following circuit weight training programs featuring continuous or interval running	fields. Volume 6; Immunology [DE86-005363] p 411 N86-30345	mulatta monkeys p 175 N86-21137
[AD-A163110] n 225 NRs-2420s	Effects of 60 Hz electric field on operant and social	Modeling electrocardiograms using interacting Markov
The role of elaborations in instructional texts: Learning	stress behaviors of nonhuman primates	Chains
to use the appropriate procedure at the appropriate time [AD-A165211] p 291 N86-26833	[DE85-016121] p 411 N86-30346	Cardiokymography p 178 N86-22105
The startle reflex as a learning task: Apparatus and test	Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates	[PB86-133790] p 258 N86-25987
parameters	[DE86-005807] p 411 N86-30347	Continuous ECG monitoring of Mirage 2000 pilots
[AD-A167958] p 428 N86-32970 EFFECTIVENESS	Physical interaction of humans and animals with	(comparison with Mirage 3 and F1 pilots)
Dose distribution and the relative biological effectiveness	power-frequency electric and magnetic fields [DE86-007734] p 402 N86-31215	p 399 N86-30315
or internal alpha emitters	Growth and development of rhesus monkeys exposed	Electrochemical CO2 concentration for the Space
[DE85-013041] p. 17 N86-11846	to ELF (Extremely Low Frequency) electric and magnetic	Station Program
Effectiveness of an air-cooled vest using selected air temperature and humidity combinations	fields during the first 54 months of life	[SAE PAPER 851341] p 138 A86-23528
[AD-A162026] p 242 N86-24219	[AD-A168733] p 417 N86-32953 ELECTRIC POTENTIAL	Environmental Control and Life Support Systems
Phosphorobacterin and its effectiveness	Coupling between the bacteriorhodopsin photocycle and	technology options for Space Station application [SAE PAPER 851376] p 140 A86-23559
[AD-A164508] p 248 N86-25973	the protonmotive force in Halobacterium halobium cell	Electrochemical control of pH in a hydroponic nutrient
EFFERENT NERVOUS SYSTEMS	envelope vesicles. III - Time-resolved increase in the	solution n 150 N86-10019

transmembrane electric potential and modeling of the

Stochastic differential equations for neuronal behavior

Effects of 60 Hz electric field on operant and social

tress behaviors of nonhuman primates

p 373 A86-43433

p 69 N86-15908

p 411 N86-30346

associated ion fluxes

[AD-A1590991

[DE85-016121]

ELECTRODES	
ELECTRODES	
	of a semiconductor
multielectrode array. VER (Visual E	voked Responses) and
propagation analysis	p 248 N86-25972
[AD-A164015] Biosensors from membrane pr	
polymerized lipid bilayers	Otomo recendada m
[AD-D012160]	p 248 N86-25974
ELECTROENCEPHALOGRAPHY	
Prestimulus EEG and evoked p	
the recognition of a meaningful lig	p 9 A86-10697
EEG studies in episodic unco	
disorder and syncope	p 12 A86-12434
Electroencephalograms and the	read-out of information
in the visual cortex during image r	ecognition
<b>50</b>	p 33 A86-15512
Effect of workload on the aud response	p 128 A86-23705
Anticipatory adjustments during	
Cortical negativity and perceptual	
	p 261 A86-33818
Event-related brain potentials	
attention  Dynamics of the ultraslow bioele	p 262 A86-33821
the performance of certain parts	
the policination of contain paint	p 255 A86-36534
The mechanisms of the effect	of nonionizing radiation
on an organism's sensory system	
Spectral-correlation characteris	
of short-term memory tests	. I - A study of
spectral-correlation parameters human neocortex during correct s	ot the potentials in the
Tighta: Thousanton daring somest	p 419 A86-49263
Spatial organization of compone	
potentials and the sensorimotor r	eaction efficiency
	p 419 A86-49264
EEG correlates in the process	of forming driving skills p 421 A86-49273
On the interrelationship between	en different ranges o
bioelectric activity of the human	brain p 422 A86-49975
TV monitoring control system	
studies	p 14 N86-1076
Variability analysis of visually in	
midst of noise	
[B8564052]	p 16 N86-1077
The event related brain po	
information processing, cognit	

```
19975
                                                ogical
                                                0765
                                                in the
                                                10774
                                                ex of
                                                 skill
[AD-A159118]
                                    p 43 N86-13897
  Age-related changes in electroencephalograms of
                                    p 62 N86-14867
 Biological investigations of adaptive networks. Neuronal
control of conditioned responding
                                   p 126 N86-19887
[AD-A160345]
  The first cortical implant of a
                                      semiconductor
multielectrode array. VER (Visual Evoked Responses) and
propagation analysis
                                   p 248 N86-25972
[AD-A164015]
  Effect of rhythmic photic interference on working lectroencephalogram, and efficiency of human
electroencephalogram and efficiency of
                                   p 292 N86-27883
movements
  Effects of high altitude on neurological and pulmonary
```

6534 iation 9721 ourse of n the zing 19263 /oked 19264 skills 9273 es of function: The effect of high altitude on visual evoked potentials in humans on Mt. Everest [AD-A168335] p 424 N86-32959 **ELECTROLUMINESCENCE** A preliminary study of flat-panel displays p 236 N86-24546 Variable contrast direct read-out vision tester p 423 N86-32955 [AD-D012273] **ELECTROLYSIS** Static feed water electrolysis system for Space Station O2 and H2 generation [SAF PAPER 851339] p 138 A86-23526 **ELECTROLYTE METABOLISM** Aldosterone, cortisol, and electrolyte responses to hypobaric hypoxia in moderate-altitude natives p 32 A86-14316 Fluid and electrolyte control in simulated and actual p 214 A86-30385 Dynamics of the salivary electrolyte composition and renal excretory function during human adaptation to an p 216 A86-30899 altered gaseous environment Water and electrolytes --- in human bodies p 376 A86-40660 Body position during hypokinesia, and fluid-electrolyte metabolism p 60 N86-14853 Effect of dry immersion model on parameters of fluid-electrolyte metabolism, blood plasma aldosterone and cortisol levels in individuals differing in body fluid p 65 N86-15875 content A-38

ELECTROLYTES Endocrine and fluid metabolism in males and females of different ages after bedrest, acceleration and lower body negative pressure p 39 N86-13886 Investigation of possibility of using two-frequency impedometry for estimation of proportion of total and extracellular body fluids p 66 N86-15888 Protein-protein interactions in systems with synthetic p 210 N86-23225 polyelectrolytes ELECTROMAGNETIC ABSORPTION Absorption of millimeter waves by human beings and p 111 A86-24442 its biological implications Biological effects of electric fields [PB85-243467] **ELECTROMAGNETIC FIELDS** 

p 93 N86-16895 Likelihood of high rates of energy deposition in the human legs at the ANSI recommended 3-30-MHz RF safety p 58 A86-17918 Morphological changes in some internal organs of guinea pigs due to the effect of a constant electromagnetic p 103 A86-23490 Effect of single actions of weak electromagnetic fields of ultralow frequency on indices of endocrine system p 12 N86-10744 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF)

electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Cellular effects of electromagnetic radiation p 63 N86-14878

Biological effects of electric fields p 93 N86-16895 [PB85-243467] The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 p 223 N86-24193 Extremely Low Frequency (ELF) communications system bio-effects library development

p 225 N86-24204 Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study p 277 N86-27867

[AD-A165040] Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates

ELECTROMAGNETIC PROPERTIES

Extramely 1-2007 Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A1628391 p 225 N86-24204 ELECTROMAGNETIC RADIATION

Effect of low-power millimeter-range monochromatic electromagnetic radiation on biological processes p 155 A86-27475 The effect of electromagnetic radiation in the decimeter

wavelength range on the neuronal calcium current in p 247 A86-36494 mollusks Hygienic assessment of the electromagnetic radiation levels generated by radar installations p 271 A86-36499

USSR report: Life sciences. Biomedical and behavioral

[JPRS-UBB-85-023] p 4 N86-10738 Cellular effects of electromagnetic radiation p 63 N86-14878 [AD-A158547] Assessment of selected physiological indicators in antenna operators at short-wave transmitting and receiving centers p 220 N86-23250 Human reactions to transient electric currents [PB86-117280] p 222 N86-23277 Mechanism of electromagnetic energy effects on the p 222 N86-23277

nervous system: Voltage-clamp study p 282 N86-26798 [AD-A164653] **ELECTROMAGNETIC SPECTRA** Prospects for using millimeter-band electromagnetic

radiation as an efficient way of obtaining information on specific processes in living organisms p 246 A86-35088

ELECTROMYOGRAPHY Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498 Operator alertness/workload assessment using stochastic model-based analysis of myoelectric signals p 428 N86-32973 [AD-A168567] Operator alertness/workload assessment using stochastic model-based analysis of myoelectric signals AD-A1685681

**ELECTRON BEAMS** Abrasion-resistant aluminized-coated aramid fabrics for manufacture of firefighters' protective clothing p 75 N86-14901 [AD-A157056] **ELECTRON DISTRIBUTION** 

p 429 N86-32974

Discovery regarding electron redistribution among cell membranes p 217 N86-23227

ELECTRON MICROSCOPY

The scanning electron microscope as a tool in space p 30 N86-14080 biology Magnetic separation device AD-D012163] p 249 N86-25975

ELECTRON PARAMAGNETIC RESONANCE Experimental, structural and theoretical models of

bacteriochlorophylls a, d and g [DE86-001727] p 158 N86-21101

ELECTRON RECOMBINATION

Discovery regarding electron redistribution among cell membranes p 217 N86-23227 **ELECTRON SCATTERING** Spin-dependent electron scattering from optically active

p 76 A86 16425 molecules Investigation on the chirality of electrons from Sr-90-Y-90 beta-decay and their asymmetrical interactions with D- and

**ELECTRON SPIN** Spin-dependent electron scattering from optically active p 76 A86-16425

FI ECTRON TRANSFER Application of electron-transfer theory to several ystems of biological interest IDE85-0158351 p 55 N86-15860

Electron reactions in model and biological systems p 55 N86-15861 [DE85-016062] Discovery regarding electron redistribution among cell p 217 N86-23227

ELECTRONIC FOLLIPMENT

Electronic displays --- Russian book

p 241 A86-33322

ELECTRONIC WARFARE Human factors engineering and operability in the design of electronic warfare spaces aboard United States Naval

combatants [AD-A162251] p 243 N86-24222 ELECTRONS

Laser kinetic spectroscopy of unimolecular and bimolecular processes in the gas phase p 394 N86-31209 [AD-A1669981

ELECTROPHORESIS The electrokinetic properties of cell nuclei in the human buccal epithelium in conditions of motion sickness and

p 90 A86-22549 P 90 A86-22549
Changes in muscle protein composition induced by suse atrophy - Analysis by two-dimensional electrophoresis p 200 A86-30440 Molecular mechanisms of mutagenesis determined by ne recombinant DNA technology p.30 N86-13884

[DE85-0163531 Protein mapping and the problem of complexity in olecular biology [DE85-018349] p 85 N86-17979

Salyut-7 electrophoresis experiments aid medical p 158 N86-20445 research Development and use of anucleated bacterial cells to ssay the in vivo activity of pollutants [AD-A162727] p 160 N86-22089

Detection of HBsAg in families of children with viral p 218 N86-23232 A preliminary study of flat-panel displays

p 236 N86-24546

**ELECTROPHYSIOLOGY** 

Electrical enhancement of healing

p 156 A86-28449 TV monitoring control system in electrophysiological p 14 N86-10765 studies Peripheral nerve injury in developing rats reorganizes p 417 N86-32952 (AD-A168019)

**ELECTROPLETHYSMOGRAPHY** Bioimpedance measurement with respect to pulsatile p 271 A86-36316 pulmonary blood flow ELECTROSTRICTION

System for measurement of small vibrations at material interfaces induced by electrostrictive forces

[PB86-116530] p 222 N86-23276 FLEVATION

A graphic anthropometric aid for seating and workplace

[AD-A156988] p 23 N86-10788 ELLIPSOIDS

The use of ellipsoidal solids to display human body p 272 A86-36852 dynamic response **EMBOLISMS** 

Platelet-endothelial function in relation to environmental [AD-A160744]

p 116 N86-18970 **EMBRYOLOGY** 

Comparative analysis of hypo - and hyper-gravity effects on prenatal development of mammals p 191 A86-30377

Morphology of human embryonic kidney cells in culture p 201 A86-30452 after space flight

among civil engineering personnel

enclosure for small animals

dry vaccine against tick borne encephalitis

Investigation of reactogenic and antigenic activity of

Design, construction and testing of a dc bioeffects

chromatographically purified, concentrated and inactivated

[AD-A1611521]

[DE05-016798]

**ENVIRONMENTS** Nuclear lamins and peripheral nuclear antigens during **ENDOCRINE GLANDS** Energy yields in the prebiotic synthesis of hydrogen fertilization and embryogenesis in mice and sea urchins Endocrine and fluid metabolism in males and females cyanide and formaldehyde p 371 A86-40675 p 300 N86-26863 of different ages after bedrest, acceleration and lower body Climatic consequences of very high CO2 levels in Earth's Development of otoconia in the embryonic chick (Gallus negative pressure domesticus) early atmosphere p 308 N86-26904 P 414 A86-49871 [NASA-TM-582701 D 39 N86-13886 ENVIRONMENT MANAGEMENT **EMBRYOS** ENDOCRINE SECRETIONS Environmental management of payload processing Permanent distortion of positional system of Xenopus neurosecretory structures of the hypothalamo-hypophyseal system (Electron-microscope study) p 157 A86-29174

ENDOCRINE SYSTEMS Effect of weightlessness on the development of facilities embryo by brief early perturbation in gravity [AIAA PAPER 85-6067] p 73 A86-17602 p 106 A86-26180 ENVIRONMENT POLLUTION Growth and differentiation of mammalian embryonic Group diagnosis as risk assessment in environment tissues exposed to hypergravity in vivo and in vitro Effect of single actions of weak electromagnetic fields p 167 N86-21039 p 194 A86-30400 **ENVIRONMENT PROTECTION** of ultralow frequency on indices of endocrine system Growth and development of mice and rats conceived Characteristics of effects of microbiological means of p 12 N86-10744 and reared at different G-intensities during chronic plant protection on organism **ENDOCRINOLOGY** p 109 N86-19829 centrifugation p 195 A86-30403 **ENVIRONMENT SIMULATION** Modern concepts regarding some nontraditional Morphogenesis and calcification of the statoconia in the Simulation of aircraft seat response to a crash nvironment p 272 A86-36879 neuroendocrine mechanisms of stress chick (Gallus domesticus) embryo - Implications for future environment p 49 A86-16800 p 195 A86-30405 Some aspects of determining human physical work Endocrine correlates of susceptibility to motion capacity under hyperbaric conditions p 76 N86-15867 fertilization and development in p 195 A86-30408 p 59 A86-18834 Photosimulation of target acquisition in the presence microgravity Hepatic enzyme adaptation in rats after space flight Development of otoconia in the embryonic chick (Gallus of smoke: A pilot study p 205 A86-30476 domesticus) p 414 A86-49871 p 95 N86-17986 The role of hormonal changes in the development of ENVIRONMENTAL CHEMISTRY Changes in the morphological and molecular biological motion sickness in man p 216 A86-30896 processes during early embryo development in amphibians Environmental factors and infant mortality Functional state of the pancreas under conditions of p 168 N86-21041 under micro g conditions p 388 N86-29522 prolonged bed rest p 421 A86-49271 ENVIRONMENTAL CONTROL Xiphophorus: A system to recognize radiation-induced Investigations of the reproductive physiology of the mutations and to study the effects of zero-gravity Controlled ecological life support systems for space rainbow trout (Salmo gairdneri Richardson) environment on embryo development D 98 A86-22325 p 388 N86-29521 Electrochemical CO2 concentration for the Space p 388 N86-29523 ENDOTHELIUM Station Program **EMERGENCIES** Correlation between plasma fibronectin level and [SAE PAPER 851341] Levels of helicopter control force inputs during in-flight p 138 A86-23528 experimental rat heat stress mortality Space Station Environmental Control/Life Support emergency conditions as a function of aviator experience p 236 A86-29852 [AD-A160943] p 1 A86-10101 System engineering Platelet-endothelial function in relation to environmental [SAE PAPER 851375] The case for training for the potentially catastrophic p 140 A86-23558 temperature Environmental Control and Life Support Systems [AD-A1607441 p 116 N86-18970 technology options for Space Station application [SAE PAPER 851917] p 264 A86-35447 **ENDOTOXINS** One aspect of crew training [SAE PAPER 851376] p 140 A86-23559 p 72 N86-15885 Glucocorticoid antagonism by endotoxin: Biological Light-Weight Radioisotope Heater Unit Safety Analysis Implementing supercritical water oxidation technology effects during stress and basis for inhibition of a lunar base environmental control/life support Report (LWRHU-SAR). Volume 1. A. Introduction and phosphoenolpyruvate carboxykinase system executive summary. B. Reference Design Document p 240 A86-30167 [AD-A160740] p 116 N86-18969 Environmental control and life support systems Elevations of plasma endotoxin levels and lysosomal IDF86-0014571 p 406 A86-44534 p 172 N86-21113 enzyme activities in divers during a simulated Environmental control/life support system for Space **EMERGENCY BREATHING TECHNIQUES** dive to 300 msw p 123 N86-19866 Station Positive pressure respiration, a means of protecting p 407 A86-45692 ENDURANCE Growth evolution of the Space Station ECLSS against +Gz accelerations - A theoretical approach Effects of breathing pattern on inspiratory muscle [AIAA PAPER 86-2313] p 407 A86-46943 p 31 A86-13568 endurance in humans p 86 A86-20003 Influence of shipboard environmental factors on Expedient methods of respiratory protection. ENERGY ABSORPTION conditioned reflex activity of experimental animals during Submicron particle tests and summary of quality factors A comparison of the specific absorption rate in a a long voyage [TI85-018278] homogeneous man model and a man model containing p 94 N86-17983 Controlled environment life support system: Growth Oxygen-liberating mixtures for breathing apparatus p 241 N86-23264 realistic model bones studies with potatoes [AD-A168547] p 424 N86-32960 [NASA-CR-177400] EMERGENCY LIFE SUSTAINING SYSTEMS p 434 N86-32101 **ENERGY BUDGETS** ENVIRONMENTAL LABORATORIES Air ambulance regulations - A model Application of a nonstationary energy budget model to etermine thermal comfort p 164 N86-21017 Rat maintenance in the Research Animal Holding Facility p 405 A86-44094 determine thermal comfort during the flight of Space Lab 3 p 201 A86-30454 Comparison between meteorological complex values Biomedical and environmental sciences at Oak Ridge Toxicological evaluation of gas emission from and a model of man's energy budget National Laboratory heat-stable tetrafluoroethylene-based polymers when p 169 N86-21059 [DE86-001639] p 161 N86-22091 p 175 N86-21131 **ENERGY CONSUMPTION** ENVIRONMENTAL MONITORING EMITTERS Energy balance in exercise-trained rats acclimated at Environmental impact research program. Status and Dose distribution and the relative biological effectiveness two environmental temperatures p 206 A86-30685 source of habitat models and literature reviews, December of internal alpha emitters Energy expenditure and activity patterns of cadets at IDE85-0130411 p 17 N86-11845 the United States Military Academy, West Point, New [AD-A1568991 **EMOTIONAL FACTORS** p 28 N86-12950 Report of the symposium on biological monitoring of Student pilot stress - An emotional barrier to efficient [AD-A157857] p 38 N86-12960 exposure to metals and other inorganic compounds The energy cost of combat engineer tasks
[AD-A161861] p 223 p 231 A86-29912 [MBL-1985-61 Theoretical principles underlying the evaluation, control, p 85 N86-17980 ENERGY CONVERSION EFFICIENCY

Membrane bessel Biomedical and environmental sciences at Oak Ridge and correction of the impact of emotions on cosmonaut National Laboratory Membrane-based water- and energy-recovery systems for the manned space station p 403 A86-44601 [DE86-001639] Effects of hypodynamia and neuroemotional stress on p 161 N86-22091 the performance of circulatory and respiratory systems Executive summary: Ambient ozone and human health: **ISAE PAPER 8513451** p 139 A86-23531 An epidemiological analysis during muscular work p 422 A86-49919 **ENERGY DISSIPATION** FPB86-1140891 p 226 N86-24212 Psychoemotional pilot stress prior to ejection and its Energy balance in exercise-trained rats acclimated at Ambient ozone and human health: An epidemological role in appropriate performance p 292 N86-27881 two environmental temperatures p 206 A86-30685 analysis, volume 3 Amino acid spectrum of human blood in the presence **ENERGY DISTRIBUTION** [PB86-114105] p 226 N86-24213 p 287 N86-27901 of emotional stress Parity-violating energy differences of chiral minerals and ENVIRONMENTAL QUALITY Rapid measurement of individual stress reaction level: the origin of biomolecular homochirality Group diagnosis as risk assessment in environment Development of the Emotional Reaction Questionnaire p 77 A86-17807 hvaiene (ESRQ) p 167 N86-21039 **ENERGY TRANSFER** ENVIRONMENTAL SURVEYS [FOA-C-50034-H3] p 383 N86-29506 Energy exchange of plants under weightlessness Environmental impact research program. Status and **EMOTIONS** conditions p 30 N86-14162 Psychological aspects of personnel contamination source of habitat models and literature reviews, December An evaluation of tests of anaerobic power [AD-A162826] p. 224 1984 [DE85-0129551 p 21 N86-11853 p 224 N86-24203 [AD-A1568991 p 28 N86-12950 **EMPLOYEE RELATIONS** ENGINE CONTROL **ENVIRONMENTS** The influence of quality circles on attitudinal outcomes User interface description of a gas turbine control A study of the flight environment component of aircrew

system

ASME PAPER 86-GT-296]

Meteorological adaptation research at biology institute

Analysis of health effects resulting from population

exposures to ambient particulate matter. Health and

Environmental stress after atropine treatment

environmental effects document, 1985

**ENVIRONMENT EFFECTS** 

[AD-A161923]

[DE86-002161]

p 433 A86-48309

p 211 N86-23257

p 223 N86-24197

p 225 N86-24208

p 136 N86-19905

p 119 N86-19837

p 29 N86-13883

p 117 N86-18973

p 416 N86-32086

p 443 N86-33015

p 444 N86-33022

fatigue in student navigators

stimuli causing changes in gas exchange [DE86-010287] p 4

vibration environments. Part 2: Manual tasks

Guard cell biochemistry: Response to environmental

A design guide for visual displays and manual tasks in

Elementary design guidelines for CO2 scrubbing with

[AD-A160796]

[ISVR-TR-134]

[AD-A168850]

LiOH, technical manual

requirements for the evaluation of advanced aircraft ejection systems p 98 A86-19345

ENZYME ACTIVITY	Enzyme cofactor modified electrodes	An evaluation of tests of anaerobic power
Lactate, pyruvate, and lactate-to-pyruvate ratio during	[AD-A165604] p 375 N86-28607	[AD-A162826] p 224 N86-24203
exercise and recovery p 8 A86-10110	ENZYMOLOGY	ERROR ANALYSIS
Plasma levels of renin, angiotensin II, and	Fab-fragment of heterologic immunoglobulin for flu	Potential controller error modes in Automated En Route
6-ketoprostaglandin F1-alpha in endurance athletes p 8 A86-10111	prophylaxis and treatment p 219 N86-23241	ATC (AERA) p 238 A86-29871
Effect of head-down tilt on basal plasma norepinephrine	Study of biotechnology applied to research and	An experimental approach to validating a theory of human error in complex systems p 260 A86-33792
and renin activity in humans p 11 A86-12377	development	Control errors: Psychological causes - An automated
Blood pressure and plasma renin activity as predictors	[AD-A161877] p 212 N86-24185	method of analysis Russian book
of orthostatic intolerance p 32 A86-14312	EPICARDIUM	p 270 A86-35460
The effect of kallikrein on the development of a general	The inverse problem in electrocardiography - A model	Extended analysis of the structure of error scores in
adaptation syndrome p 49 A86-16751	study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials	psychological aptitude tests
Fibre-type specificity and effect of thyroid hormone on	p 394 A86-43750	[DFVLR-FB-85-20] p 20 N86-10780
glucose 6-phosphate dehydrogenase activity in normal and	EPIDEMIOLOGY	Application of component scoring to a complicated
denervated skeletal muscles of the rat	A practical attitude toward ventricular repolarization	cognitive domain
p 49 A86-16901	abnormalities in flight crews p 282 A86-39773	[AD-A157897] p 95 N86-16898
Dicyclohexylcarbodiimide-sensitive ATPase in	Cardiovascular epidemiology, exercise, and health -	Bug distribution and pattern classification
Halobacterium saccharovorum p 49 A86-16902	40-year followup of the U.S. Navy's '1000 aviators'	[AD-A157898] p 95 N86-16899
Hepatic enzymes of sphingolipid and glycerolipid	p 378 A86-41789	Impact of the human on system safety analysis
biosynthesis in rats from Spacelab 3	Studies of participants in nuclear tests	[DE86-008182] p 409 N86-31224
p 205 A86-30475	p 38 N86-12964	ERRORS
Hepatic enzyme adaptation in rats after space flight	Foodborne and waterborne disease outbreaks. A	Human error in life support operations p 96 A86-19330
p 205 A86-30476 Plasma renin concentration (PRC) of rats orbited for 7	compilation and subjective profile	Neurons as detectors of errors in the subcortical
days aboard NASA Spacelab 3 p 205 A86-30478	[AD-A158536] p 63 N86-14876	structures of the human brain p 111 A86-24307
Ecto-protein kinase activity on the external surface of	Ambient ozone and human health: An epidemiological	Hesitations in continuous tracking induced by a
neural cells p 207 A86-31650	analysis, volume 1	concurrent discrete task
Impaired pulmonary conversion of angiotensin I to	[PB85-245181] p 93 N86-16896	[NASA-CR-177019] p 382 N86-29503
angiotensin II in rats exposed to chronic hypoxia	USSR report: Life sciences. Biomedical and behavioral	Progression-regression effects in tracking repeated
p 246 A86-36218	sciences	patterns p 439 N86-32996
Role of carbonic anhydrase in bone resorption induced	[JPRS-UBB-86-001] p 109 N86-19828	A design guide for visual displays and manual tasks in
by 1,25 dihydroxyvitamin D3 in vitro p 375 A86-43449	Epidemiological supervision of poliomyelitis	vibration environments. Part 1: Visual displays
The activity of cholinesterase and norepinephrine after	p 118 N86-19835	[ISVR-TR-133-PT-1] p 442 N86-33014
laser irradiation of acupuncture points	USSR report: Life sciences. Biomedical and behavioral	ERYTHROCYTES
p 414 A86-49921	sciences	Red blood cell decreases of microgravity
Romanian plant produces protein concentrate from	[JPRS-UBB-86-002] p 209 N86-23222	[IAF PAPER 85-324] p 36 A86-15829
paraffin-nourished yeasts p 4 N86-10741	Detection of HBsAg in families of children with viral	Mechanical resistance of erythrocytes and oxygen mass
Biotechnology: Science and practice	hepatitis B p 218 N86-23232	transport in hypoxic states due to different conditions
p 4 N86-10742 Improved monoclonal antibodies to halodeoxyuridine	Analysis of health effects resulting from population	p 88 A86-21452 Evaluation of radiation-induced damage in the
[DE85-017764] p 92 N86-16891	exposures to ambient particulate matter. Health and	erythrocyte membranes of rats and dogs according to
Micellar enzymology p 109 N86-19831	environmental effects document, 1985 [DE86-002161] p 225 N86-24208	changes in the erythrocyte sedimentation behavior
Role of Ca(2+)/calmodulin in phosphorylation of	Executive summary: Ambient ozone and human health:	p 106 A86-24424
proteins in plants	An epidemiological analysis	Changes in glycolytic intermediates in rat erythrocytes
[DE86-001804] p 158 N86-21099	[PB86-114089] p 226 N86-24212	during exposure to simulated high altitude
Protein-protein interactions in systems with synthetic	Ambient ozone and human health: An epidemological	p 156 A86-29097
polyelectrolytes p 210 N86-23225	analysis, volume 3	Blood transport of oxygen (The role of erythrocytes)
Morphological and biochemical investigation of rat	[PB86-114105] p 226 N86-24213	p 208 A86-33073
adrenocortical function during long-term hypokinesia	Late biological effects from internal and external	The content of lactic acid in the blood and erythropoiesis
p 279 N86-27889	exposure	during hypoxia p 393 A86-45324
Blood serum enzymes during 7-day water immersion	[DE86-001181] p 278 N86-27868	Effect of inclusion of supplementary ascorbic acid in
p 287 N86-27902	USSR report: Life sciences. Biomedical and behavioral	daily diet on degree of vitamin saturation of body and
Gas exchange characteristics of leaves as indicators	sciences	thermoresistance of erythrocytes while working in arid
of the basic limitations to the rate of photosynthesis	[JPRS-UBB-86-009] p 376 N86-28610	zone p 13 N86-10749
[DE86-009632] p 416 N86-32085 ENZYMES	EPILEPSY	Indices of blood oxygen transporting properties and
Polyribonucleic acids as enzymes p 155 A86-27051	EEG studies in episodic unconsciousness, seizure	erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure
Positively supercoiled DNA in a virus-like particle of an	disorder and syncope p 12 A86-12434	p 5 N86-10761
archaebacterium p 372 A86-40879	The effects of cerebral hypoxia and hyperventilatory hypocapnia on the epileptiform activity in the cerebral	The scanning electron microscope as a tool in space
Rapid identification of micro-organisms	cortex of cats p 392 A86-45318	biology p 30 N86-14080
[AD-A159945] p 107 N86-18952	EPINEPHRINE	Metabolic distinctions of human red blood during
Identification and quantification of the water-soluble	Epinephrine-induced changes in muscle carbohydrate	long-term spaceflights p 60 N86-14850
components of JP-4 and a determination of their biological	metabolism during exercise in male subjects	The production of RhO(D) negative erythrocytes
effects upon selected freshwater organisms	p 280 A86-39092	[AD-A160775] p 116 N86-18971
[AD-A160271] p 108 N86-18957	Effect of physical training in humans on the response	Light induced damage to erythrocyte membrane
Glucocorticoid antagonism by endotoxin: Biological	of isolated fat cells to epinephrine p 418 A86-47868	sensitized by tetrasulfophenyl porphin
effects during stress and basis for inhibition of	Short term heat effect on adreno- and cholino-sensitivity	p 109 N86-19838
phosphoenolpyruvate carboxykinase	of rat's small intestine p 4 N86-10754	Test of erythrocyte antigen diagnostic agent for detecting
[AD-A160740] p 116 N86-18969	Mitochondrial manifestations of stress and response to	antibodies to coxiella burnetti p 218 N86-23231
The production of RhO(D) negative erythrocytes	hormonal stimulation and hydroaeroions	Review of modified hemoglobin solutions for use as
[AD-A160775] p 116 N86-18971 Ultrasensitive detection of chemical substances	p 84 N86-16885	temporary blood substitutes [AD-A164210] p 256 N86-25114
[AD-A159996] p 108 N86-19825	EPITHELIUM  The electric state are notice of cell quelet in the human	Magnetic separation device
Interaction of asialoglycoprotein receptor of hepatocytes	The electrokinetic properties of cell nuclei in the human	[AD-D012163] p 249 N86-25975
with chemically galactosilated acid alpha-glucosidase	buccal epithelium in conditions of motion sickness and hypoxia p 90 A86-22549	Phasic processes in kinetics of formed blood elements
p 210 N86-23224	hypoxia p 90 A86-22549 Effect of intensive visible light on activity of glutathione	p 286 N86-27888
Effect of intensive visible light on activity of glutathione	peroxidase in pigmented epithelium of eye	Influence of erythrocythemia on blood volume and
peroxidase in pigmented epithelium of eye	p 210 N86-23226	thermoregulation during exercise-heat stress
p 210 N86-23226	EQUATIONS OF MOTION	[AD-A165014] p 289 N86-27916
Search for DNA host specificity systems in salmonella	Head-spine structure modeling: Enhancements to	Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo
typhi p 210 N86-23247	secondary loading path model and validation of	and in vitro p 388 N86-29524
Cloning and analysis of genes for anthrax toxin	head-cervical spine model	Induced erythrocythemia and maximal aerobic power:
components	[AD-A161425] p 172 N86-21112	An examination of modifying factors
[AD-A161901] p 212 N86-24186	EQUILIBRIUM	[AD-A166522] p 402 N86-31212
Multidisciplinary studies on excitatory amino acids as	Vestibular and visual control on posture and locomotor	ESCAPE (ABANDONMENT)
transmitters in the brain	equilibrium Book p 183 A86-27671	Lung rupture as a complication in free escape from submarines p 122 N86-19862
[AD-A164258] p 256 N86-25115	EQUIPMENT SPECIFICATIONS	submarines p 122 N86-19862 ESCAPE SYSTEMS
Cooperation of catalysts and templates	Research on the specification and acquisition of	Computer tools and techniques for analysis of discrete
p 301 N86-26871	maintenance training simulators in the U.S. Air Force	data from aircrew automated escape systems (AAES)
Is the ATPase from halobacterium saccharovorum an	p 268 A86-33823	p 96 A86-19302
evolutionary relic? p 306 N86-26891	Effects of simulated weightlessness on meiosis.  Fertilization, and early development in mice	U.S. Navy ALSS corporate report 1984
Thioredoxins in evolutionarily primitive organisms	[NASA-CR-177106] p 410 N86-30342	p 96 A86-19309
p 306 N86-26893	ERGOMETERS	The state of the art of anthropomorphic manikins and

Ergometric examination of the cardiovascular system in flight personnel p 421 A86-49370

Biosynthetic

photosynthesis

porphyrins and the origin of p 306 N86-26894

**ESCHERICHIA** Interaction between Escherichia coli and lunar fines p 30 N86-14088 Bacterial inactivation by means of ionizing radiation [DE86-901038] D 412 N86-30348 ESTERS Ultrasensitive detection of chemical substances [AD-A159996] p 108 N86-19825 **ESTIMATES** A new hazard function estimator of performance time [AD-A157843]

P 42 N86-12971 An investigation of judgments of category frequency [AD-A159555] D 72 N86-14894 Plausibility functions of lowa vocabulary test items estimated by the simple sum procedure of the conditional P.D.F. Approach [AD-A160850] p 134 N86-18986

ESTIMATING

real-world scenes

Altitude estimation of pilot and non-pilot observers using p 230 A86-29905 ETHYL ALCOHOL Comparison of the effects of atropine sulfate and ethanol

on performance p 232 A86-29923 ETHYLENE Toxicological evaluation of gas emission from

heat-stable tetrafluoroethylene-based polymers when p 175 N86-21131 ETIOL OGY

Hysterical deafness - An unusual presentation of stress in an air traffic control officer an air traffic control officer p 180 A86-29098 Head movements in non-terrestrial force environments elicit motion sickness - Implications for the etiology of space motion sickness p 253 A86-36315 p 253 A86-36315 Foodborne and waterborne disease outbreaks. A compilation and subjective profile [AD-A158536] p 63 N86-14876

Concerning barotrauma of the lungs-translation [AD-A165006] p 289 N86

p 289 N86-27914

**EULER-LAGRANGE EQUATION** incorporation of active elements into the articulated total

body model [AD-A162518] p 177 N86-22101 EURECA (ESA)

Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation

(SAE PAPER 851397) p 104 A86-23574 Concepts for the life support subsystem in the EURECA

[DGLR PAPER 85-126] p 245 A86-34573 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912

Biological sciences and bioelectromagnetics in Europe [AD-A1592211 p 53 N86-14841 Effects of radiation health p 288 N86-27910

**EUROPEAN SPACE AGENCY** Control loops with human operators in space operations. Part 4: Research requirements for human-in-the-loop

space teleoperator development [NLR-TR-84116-L-PT-4] p 435 N86-32109

**EUROPEAN SPACE PROGRAMS** Hermes ECLSS - Review of general requirements and application to the spaceplane definition

[IAF PAPER 85-304] p 45 A86-15817 BLSS, a European approach to CELSS --- Biological Life Support Systems [SAF PAPER 8513911 p 141 A86-23569

The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 EUSTACHIAN TUBES

Investigation of Eustachianal function in JASDF pilots by new apparatus. I - On the pressural regulation of the Eustachian tube in normal human p.32 A86-13941 p 32 A86-13941 EVALUATION

Workload assessment techniques in system redesign p 184 A86-28434 Review and evaluation of empirical research in troubleshooting [AD-A168660]

p 186 A86-28865 Assessment of visuospatial abilities using complex [AD-A158919]

p 70 N86-14889 System development and evaluation technology: State of the art of manned system measurement [AD-A1604181

p 134 N86-18983 **EVAPORATION** 

Water recycling system using thermopervaporation method p 150 N86-19921 **EVAPORATORS** 

Thermoelectric integration membrane evaporation subsystem water recovery - Technology update [SAE PAPER 851348] p 139 A86-23534 **EVENTS** 

The event related brain potential as an index of information processing, cognitive activity, and skill acquisition: A program of basic research [AD-A159118] D 43 N86-13897 EVOKED RESPONSE (PSYCHOPHYSIOLOGY)

Neuronal reactions and evoked potentials in the subcortical brain structures in the process of visual recognition. I - Formulation of the problem and basic nethods for its solution p 9 A86-10696
Prestimulus EEG and evoked potentials in man during methods for its solution the recognition of a meaningful light stimulus

p 9 A86-10697 Effect of workload on the auditory evoked brainstem p 128 A86-23705 Comparison of transient and steady state cortical evoked

p 183 A86-28431 A linear, dynamic model for the visual-cortical evoked response system p 183 A86-28432

Neuronal responses and the evoked potentials in subcortical structures of the human brain during visual recognition. Il - The effect of stimuli relevance on the evoked neuronal responses

voked neuronal responses p 216 A86-30894
The use of brain evoked response in a critical event detection task Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency

p 419 A86-49264 Neuronal response and evoked potentials in subcortical formations in visual perception. Part 1: Problem formulation and principles of solution

D 119 N86-19844 Weather and subjective health complications in cardiac p 167 N86-21032 Studies on accurate measurements and analyses of

human olfactory evoked potentials EL-8631 p 288 N86-27907 Application of portable microprocessor-based system for

electrophysiological field testing of neurotoxicity
[PB86-145471] p 379 N p 379 N86-28615 Hesitations in continuous tracking induced by a concurrent discrete task

[NASA-CR-177019] p 382 N86-29503 An investigation of the use of steady-state evoked

potentials for human performance and workload assessment and control [AD-A166205] p 404 N86-30332 Effects of high altitude on neurological and pulmonary

function: The effect of high altitude on visual evoked potentials in humans on Mt. Everest AD-A1683351 p 424 N86-32959

Descriptive Linear modeling of steady-state visual evoked response p 436 N86-32977 Analytical comparison of transient and steady state isual evoked cortical potentials p 436 N86-32978

**EVOLUTION** Physiology/biochemistry of photoactivation of O2 volution: Probes for the S-state protein p 53 N86-14843

[DE85-016834] EVOLUTION (DEVELOPMENT) Development, growth and time --- biological model p 277 N86-26795 [CWI-CS-R8516] Evolutionary significance osmoregulatory mechanisms in cyanobacteria p 307 N86-26898

Microbial contributions to the Precambrian Earth p 307 N86-26899 The fossil record of evolution: Analysis of extinction

p 308 N86-26901 The fossil record of evolution: Data on diversification and extinction p 308 N86-26902

Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903 The origin of the spicule skeleton of fresh water sponges

(Spongillides) p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520

Medical evaluation of cosmonauts during space flight and immediate pre and post flight periods D 251 A86-35287

**EXCRETION** 

Changes in catecholamine excretion during physical and mental workload p 161 A86-28099

Endocrine and fluid metabolism in males and females of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886

Effects of lunar soil, Zagami meteorite, and ocean ridge basalt on the excretion of itoic acid, a siderophore, and coproporphyrin by Bacillus subtilis p 412 N86-31421 **EXERCISE PHYSIOLOGY** 

Noninvasive Doppler determination of cardiac output during submaximal and peak exercise

p 21 A86-10102

Role of hemoglobin P50 in O2 transport during normoxic nd hypoxic exercise in the dog p 1 A86-10103 and hypoxic exercise in the dog Exercise hyperthermia as a factor limiting physical performance Temperature effect on muscle p 1 A86-10104 metaholism

Control of exercise hyperpnea during hypercapnia in humans Enhanced metabolic response

to caffeine in exercise-trained human subjects Cardiac response of submaximal exercise in dogs susceptible to sudden cardiac death p 1 A86-10107 Lactate, pyruvate, and lactate-to-pyruvate ratio during

exercise and recovery p 8 A86-10110
Plasma levels of renin, angiotensin II, and
6-ketoprostaglandin F1-alpha in endurance athletes
n 8 A86-10111

p 8 A86-10111 Indicators of external respiration in young athletes during adaptation to high environmental temperature

p 9 A86-10699 Age-related augmentation of plasma catecholamines during dynamic exercise in healthy males

D 10 A86-12376 Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine

p 32 A86-14317 Muscle metabolism during exercise in the heat in unacclimatized and acclimatized humans

p 36 A86-16051 Thermoregulatory and blood responses during exercise

at graded hypohydration levels p 36 A86-16052 Analyses of maximum cardiopulmonary performance during exposure to acute hypoxia at simulated altitude -Sea level to 5000 meters (760-404 mm Hg)

D 60 A86-18830 Plasma hormonal responses at graded hypohydration levels during exercise-heat stress

p 86 A86-20004 Bedrest-induced peak VO2 reduction associated with age, gender, and aerobic capacity p 87 A86-20402 Mechanical resistance of erythrocytes and oxygen mass transport in hypoxic states due to different conditions

D 88 A86-21452 Effects of detraining on cardiovascular responses to exercise - Role of blood volume p 91 A86-22665 The effects of circuit weight training and G experience on +Gz tolerance p 161 A86-28098 Skeletal muscle lactate release and glycolytic termediates during hypercapnia p 155 A86-28124 intermediates during hypercapnia

Plasma lactate and ventilation thresholds in trained and untrained cyclists p 215 A86-30678 Physiological changes in hemostasis associated with acute exercise p 215 A86-30680

Remarkable metabolic availability of oral glucose during no-duration exercise in humans p 216 A86-30684 long-duration exercise in humans Energy balance in exercise-trained rats acclimated at

two environmental temperatures p 206 A86-30685
The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation p 216 A86-30895

The regulatory mechanisms of blood supply in skeletal uscles — Russian book p 207 A86-32524 Effects of exercise in normoxia and acute hypoxia on espiratory muscle metabolites p 246 A86-36223 muscles -- Russian book respiratory muscle metabolites Epinephrine-induced changes in muscle carbohydrate metabolism during exercise in male subjects

p 280 A86-39092 Pulmonary gas exchange in humans during exercise at p 281 A86-39095 Exercise conditioning increases rat myocardial calcium ptake p 276 A86-39097 Physiological profile of world-class high-altitude climbers p 281 A86-39098 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography p 377 A86-41400

Cardiovascular epidemiology, exercise, and health -40-year followup of the U.S. Navy's '1000 aviators'

D 378 A86-41789 Physical training and +Gz tolerance reevaluated

p 396 A86-44096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status

p 396 A86-44097 Effect of head-out water immersion on response to exercise training p 396 A86-44194 Effect of physical training in humans on the response p 396 A86-44194 of isolated fat cells to epinephrine p 418 A86-47868 Aldosterone response to angiotensin II during poxemia p 418 A86-47870 Pulmonary gas exchange in humans exercising at sea level and simulated altitude p 419 A86-47874 p 419 A86-47874

Physiological effects of training [AD-A157417]

p 16 N86-11841

Energy expenditure and activity patterns of cadets at		
	USSR Space Life Sciences Digest, issue 4	Evaluating space station applications of automation and
the United States Military Academy, West Point, New	[NASA-CR-3922(04)] p 209 N86-23218	robotics technologies from a human productivity point of
York	Aerospace Medicine and Biology: A Cumulative Index	view p 409 N86-31412
[AD-A157857] p 38 N86-12960	to the 1985 Issues	EXPIRATION
Human body biomechanics and movements after	[NASA-SP-7011(280)] p 221 N86-23265	Estimating the small airways resistance from
120-day antiorthostatic hypokinesia p 60 N86-14851	Aerospace medicine and biology: A continuing	measurements of the upstream resistance of several gas
Pulmonary adaptation to high altitude	bibliography with indexes (supplement 283)	mixtures p 162 A86-28448
[AD-A157694] p 62 N86-14873	[NASA-SP-7011(283)] p 223 N86-24192	EXPIRED AIR
Effect of 7-day immersion hypokinesia on characteristics	USSR Space Life Sciences Digest, issue 5	Conditioning potentialities of respiratory apparatus
of precision movements p 65 N86-15874	[NASA-CR-3922(05)] p 248 N86-25109	p 14 N86-10753
Factors which alter human physiological responses	Aerospace Medicine and Biology: A continuing	EXPLOSIONS
during exercise-heat acclimation	bibliography with indexes (supplement 284)	An examination of injury criteria for potential application
[AD-A160580] p 115 N86-18967	[NASA-SP-7011(284)] p 255 N86-25111	to explosive safety studies
Comparison between meteorological complex values	USSR Space Life Sciences Diges: Index to Issues 1-4	[AD-P004883] p 163 N86-20629
and a model of man's energy budget	[NASA-CR-3922(06)] p 248 N86-25971	EXPLOSIVES
p 169 N86-21059		An examination of injury criteria for potential application
Heat acclimatization developed during summer running	Aerospace Medicine and Biology: A continuing	to explosive safety studies
in northeastern United States	bibliography with indexes [NASA-SP-7011(285)] p 282 N86-26797	[AD-P004883] p 163 N86-20629
[AD-A162728] p 177 N86-22102		EXPONENTIAL FUNCTIONS
An evaluation of tests of anaerobic power	Second Symposium on Chemical Evolution and the	Speech analysis based on a model of the auditory
[AD-A162826] p 224 N86-24203	Origin of Life	system
Fitness and activity assessments among US Army	[NASA-CP-2425] p 297 N86-26844	[AD-A167426] p 427 N86-32098
populations: Implications for NCHS general population	Observational exobiology p 298 N86-26850	EXPOSURE
surveys	A gas chromatograph experiment for a Titan entry	Approaches to quantitative expression of dose
[AD-A164060] p 257 N86-25980	probe p 299 N86-26856	response
Effects of muscle atrophy on motor control	Miniature metastable ionization detectors for exobiology	[DE85-013498] p 15 N86-10772
[NASA-CR-177201] p 288 N86-27913	flight experiments p 299 N86-26859	Acute pulmonary effects of formaldehyde exposure in
EXHAUST GASES	multiplex gas chromatography: A novel analytical	humans
Factors influencing carboxyhemoglobin stability	technique for future planetary studies	[DE85-014728] p 17 N86-11848
[AD-A165032] p 289 N86-27918	p 299 N86-26860	Accidental exposure to americium
EXHAUSTION	Exobiology experiment concepts for space station	[DE85-012794] p 39 N86-12965
US Air Force combat psychiatry	p 310 N86-27152	A comparison of the protection against immersion
[AD-A165011] p 292 N86-27921	USSR report: Space Biology and Aerospace Medicine,	hypothermia provided by Coast Guard anti-exposure
EXOBIOLOGY	no. 1, January - February 1986	clothing in calm versus rough seas
Utilization of space stations in the field of life sciences	[JPRS-USB-86-003] p 278 N86-27878	[AD-A158413] p 75 N86-14898
[IAF PAPER 85-51] p 35 A86-15637	Aerospace Medicine and Biology: A Continuing	Biological effects of electric fields
Space Station life sciences guidelines for nonhuman	Bibliography with Indexes	[PB85-243467] p 93 N86-16895
experiment accommodation	[NASA-SP-7011(278)] p 287 N86-27905	Assessment of individual human exposures to ozone
[SAE PAPER 851370] p 104 A86-23553	Aerospace medicine and biology: A continuing	in a health study
The life sciences on board of Spacelab D1	bibliography with indexes (supplement 286)	[PB85-245975] p 94 N86-17984
p 106 A86-24610	[NASA-SP-7011(286)] p 379 N86-28612	Rat brain impedance in stationary magnetic field
Exobiology experiments for space station	Exobiological aspects in view of Titan Cassini Saturn	p 174 N86-21128
p 243 A86-30453	mission p 387 N86-28868	Assessment of selected physiological indicators in
Rat maintenance in the Research Animal Holding Facility	USSR Space Life Sciences Digest, issue 7	antenna operators at short-wave transmitting and receiving
during the flight of Space Lab 3 p 201 A86-30454	[NASA-CR-3922(08)] p 416 N86-32083	centers p 220 N86-23250
Reduction of the spermatogonial population in rat testes	EXPEDITIONS	Evaluation of radiation exposure from diagnostic
flown on Space Lab-3 p 203 A86-30466	The risk of arterial hypertension and the features of	radiology examinations: General recommendations
Atriopetin (AP-3) in atria and plasma of rats orbited	functional brain asymmetry in workers employed in	[PB86-125903] p 222 N86-23273
aboard NASA Spacelab (SL3) for seven days	regularly repeated expedition-type work	Analysis of health effects resulting from population
p 205 A86-30477	p 88 A86-22534	exposures to ambient particulate matter. Health and
Plasma renin concentration (PRC) of rats orbited for 7	EXPERIENCE	environmental effects document, 1985
days aboard NASA Spacelab 3 p 205 A86-30478	Naval Training Command mishaps and instructor	[DE86-002161] p 225 N86-24208
A search for interstellar glycine p 274 A86-33668	experience p 94 A86-20409	Acute toxicity studies on 2 Air Force hydraulic fluids
Planaria regeneration in zero gravity	Comparison of novice and experienced pilots using	(MLO 82-233 and MLO 82-585)
p 245 A86-34984		[AD-A163174] p 258 N86-25984
	analog and digital flight displays p 227 A86-29865	
Muscle atrophy during space flight - Research needs		Physical endurance of rats during intensive and repeated
Muscle atrophy during space flight - Research needs and opportunities p 255 A86-37077	analog and digital flight displays p 227 A86-29865 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of	
	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of	Physical endurance of rats during intensive and repeated
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field
and opportunities p 255 A86-37077 The universal diagrams and life in the universe	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field p 279 N86-27894
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field p 279 N86-27894 Biological studies of swine exposed to 60-Hz electric
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field p 279 N86-27894 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Training of cosmonauts and experience during space flight p 263 A86-35286  Experience and performance in video games and its influence on aptitude tests in aviation psychology	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology  [DE86-005363] p 411 N86-30345
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275)	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Training of cosmonauts and experience during space flight p 263 A86-35286  Experience and performance in video games and its influence on aptitude tests in aviation psychology	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field p 279 N86-27894 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345 EXTINCTION
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field p 279 N86-27894 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345 EXTINCTION Biological extinction in earth history
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275)	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology  [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology  [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction
and opportunities p 255 A86-37077 The universal diagrams and life in the universal p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363]  p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction  p 308 N86-26901
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(2751)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276]) p 37 N86-12954 The scanning electron microscope as a tool in space	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Training of cosmonauts and experience during space flight p 263 A86-35286  Experience and performance in video games and its influence on aptitude tests in aviation psychology  [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN  The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field p 279 N86-27894 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345 EXTINCTION Biological extinction in earth history p 207 A86-32057 The fossil record of evolution: Analysis of extinction p 308 N86-26901 The fossil record of evolution: Data on diversification
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology p 30 N86-14080	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology  [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction  p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction  p 308 N86-26902
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology p 30 N86-14080 USSR report: Space Biology and Aerospace Medicine,	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Training of cosmonauts and experience during space flight p 263 A86-35286  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN  The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-F88-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction  p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction  g 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology p 30 N86-14080 USSR report: Space Biology and Aerospace Medicine,	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Training of cosmonauts and experience during space flight p 263 A86-35286  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN  The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology  [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction  p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction  p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth  p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-F88-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Training of cosmonauts and experience during space flight p 263 A86-35286  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN  The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26901  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates p 301 N86-26871
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology p 30 N86-14080 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology  [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction  p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction  p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth  p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates  p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE
and opportunities p 255 A86-37077 The universal diagrams and life in the universe	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Training of cosmonauts and experience during space flight p 263 A86-35286  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-F8-85-43] p 73 N86-15915  EXPERIMENT DESIGN  The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology  [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction  p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction  p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth  p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates  p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE  The anthropic principle - Probability and the possibility
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION Variation in baseline sister chromatid exchange	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE The anthropic principle - Probability and the possibility of extraterrestrial life
and opportunities p 255 A86-37077 The universal diagrams and life in the universal p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 [NASA-SP-7011(277)] p 92 N86-16888 [NASA-CR-3922(03)] p 106 N86-18949	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915 EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901 Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428 Excursion limits in shallow water heliox saturation diving p 125 N86-19877 Exobiology experiment concepts for space station p 310 N86-27152 EXPERIMENTATION Variation in baseline sister chromatid exchange frequencies in humans	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275]] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Training of cosmonauts and experience during space flight p 263 A86-35286  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-F8-85-43] p 73 N86-15915  EXPERIMENT DESIGN  The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 310 N86-27152  EXPERIMENTATION  Variation in baseline sister chromatid exchange frequencies in humans [DE85-016084] p 64 N86-14883	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology  [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction  p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction  p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth  p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates  p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE  The anthropic principle - Probability and the possibility of extraterrestrial life  [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279)	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Training of cosmonauts and experience during space flight p 263 A86-35286  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN  The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION  Variation in baseline sister chromatid exchange frequencies in humans [DE85-016084] p 64 N86-14883  Physico-chemical studies of radiation effects in cells	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the
and opportunities p 255 A86-37077 The universal diagrams and life in the universal p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915 EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901 Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428 Excursion limits in shallow water heliox saturation diving p 125 N86-19877 Exobiology experiment concepts for space station p 310 N86-27152 EXPERIMENTATION Variation in baseline sister chromatid exchange frequencies in humans [DE85-016084] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction  p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction  p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates  p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE  The anthropic principle - Probability and the possibility of extraterrestrial life  [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TH-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(276]) p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276]) p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION  Variation in baseline sister chromatid exchange frequencies in humans [DE85-016084] p 64 N86-14883  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  Mesolimbic and nigrostriatal dopaminergic systems:	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology  [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE  The anthropic principle - Probability and the possibility of extraterrestrial life  [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766  Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281)	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN  The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION  Variation in baseline sister chromatid exchange frequencies in humans [DE85-014681] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  Mesollimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902 Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS Cooperation of catalysts and templates p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921 Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 A decade of SETI observations p 308 N86-26905
and opportunities p 255 A86-37077 The universal diagrams and life in the universal p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 [NASA-SP-7011(277)] p 92 N86-16888 [NASA-CR-3922(03)] Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION Variation in baseline sister chromatid exchange frequencies in humans [DE85-016084] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  Mesolimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology [AD-A160821] p 136 N86-19900  EXPERT SYSTEMS	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE  The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766  Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 A decade of SETI observations p 308 N86-26905 An infrared search for extraterrestrial laser signals
and opportunities p 255 A86-37077 The universal diagrams and life in the universe	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915 EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901 Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428 Excursion limits in shallow water heliox saturation diving p 125 N86-19877 Exobiology experiment concepts for space station p 310 N86-27152 EXPERIMENTATION Variation in baseline sister chromatid exchange frequencies in humans [DE85-016084] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 Mesolimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology [AD-A160821] p 136 N86-19900	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902 Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS Cooperation of catalysts and templates p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921 Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 A decade of SETI observations p 308 N86-26905 An infrared search for extraterrestrial laser signals p 309 N86-26907
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TH-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275]] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276]] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION Variation in baseline sister chromatid exchange frequencies in humans [DE85-014681] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  Mesollimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology [AD-A160821] p 136 N86-19900  EXPERT SYSTEMS An expert systems approach to automated fault	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology  [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE  The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766  Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444  A decade of SETI observations p 308 N86-26905  An infrared search for extraterrestrial laser signals p 309 N86-26907  Using the IRAS data to search in the asteroid belt for
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 USSR report: Space Biology and Aerospace Medicine,	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN  The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide  [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION  Variation in baseline sister chromatid exchange frequencies in humans  [DE85-016084] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  Mesolimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology  [AD-A160821] p 136 N86-19900  EXPERT SYSTEMS  An expert systems approach to automated fault management in a regenerative life support subsystem	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE  The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766  Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444  A decade of SETI observations p 308 N86-26907  Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) NASA-SP-7011(281)) p 120 N86-19850 Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide  [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION Variation in baseline sister chromatid exchange frequencies in humans  [DE85-016084] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  Mesolimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology  [AD-A160821] p 136 N86-19900  EXPERT SYSTEMS  An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction  p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates  p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE  The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766  Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444  A decade of SETI observations p 308 N86-26905  An infrared search for extraterrestrial laser signals p 309 N86-26907  Using the IRAS data to search in the assteroid belt for any potential evidence of galactic colonization p 309 N86-26908
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TH-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(276)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION Variation in baseline sister chromatid exchange frequencies in humans [DE85-014681] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  Mesollimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology [AD-A160821] p 136 N86-19900  EXPERT SYSTEMS An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811  Expert computer aided decision in supervisory control	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology  [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26901  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates p 301 N86-26901  EXTRATERRESTRIAL INTELLIGENCE  The anthropic principle - Probability and the possibility of extraterrestrial life  [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766  Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-26444  A decade of SETI observations p 308 N86-26905  An infrared search for extraterrestrial laser signals p 309 N86-26907  Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-26908  Overview of the NASA SETI Program
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(279)] p 120 N86-19850 Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Publications of the exobiology program for 1984: A	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN  The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION  Variation in baseline sister chromatid exchange frequencies in humans [DE85-016084] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  Mesolimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology [AD-A160821] p 136 N86-19900  EXPERT SYSTEMS  An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811  Expert computer aided decision in supervisory control p 241 A86-33188	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902 Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS Cooperation of catalysts and templates p 301 N86-26907  EXTRATERRESTRIAL INTELLIGENCE The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921 Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 A decade of SETI observations p 308 N86-26907 Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-26908 Overview of the NASA SETI Program p 309 N86-26908
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 [USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) Shklovskiy discusses possibility of extraterrestrial intelligence USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Publications of the exobiology program for 1984: A special bibliography	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-F85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION Variation in baseline sister chromatid exchange frequencies in humans [DE85-016084] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  Mesolimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology [AD-A160821] p 136 N86-19900  EXPERT SYSTEMS  An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811  Expert computer aided decision in supervisory control p 241 A86-33188  Design for a goal-oriented telerobotic system	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates p 301 N86-26903  EXTRATERRESTRIAL INTELLIGENCE  The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766  Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 A decade of SETI observations p 308 N86-26905  An infrared search for extraterrestrial laser signals p 309 N86-26907  Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-26908  Overview of the NASA SETI Program p 309 N86-26909  Goldstone field test activities: Target search
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(2776]) p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276]) p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Shklovskiy discusses possibility of extraterrestriat intelligence p 157 N86-20444 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION Variation in baseline sister chromatid exchange frequencies in humans [DE85-014681] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  Mesolimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology [AD-A160821] p 136 N86-19900  EXPERT SYSTEMS An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811  Expert computer aided decision in supervisory control p 241 A86-33188  Design for a goal-oriented telerobotic system [AIAA PAPER 86-2990] p 429 A86-47440	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902 Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS Cooperation of catalysts and templates p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921 Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 A decade of SETI observations p 308 N86-26905 An infrared search for extraterrestrial laser signals p 309 N86-26907 Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-26908 Overview of the NASA SETI Program p 309 N86-26909 Goldstone field test activities: Target search
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(2751)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(2761)] p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-15865 [NASA-SP-7011(277)] p 92 N86-16888 USSR space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(2781)] p 120 N86-19850 Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150 Aerospace medicine and biology: A continuing	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915 EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901 Assessing the human performance envelope - A brief guide [SAE PAPER 851776] p 263 A86-35428 Excursion limits in shallow water heliox saturation diving p 125 N86-19877 Exobiology experiment concepts for space station p 310 N86-27152 EXPERIMENTATION Variation in baseline sister chromatid exchange frequencies in humans [DE85-016084] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 Mesolimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology [AD-A160821] p 136 N86-19900 EXPERT SYSTEMS An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-2021] p 98 A86-19811 Expert computer aided decision in supervisory control p 241 A86-33188 Design for a goal-oriented telerobotic system	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history  p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates p 301 N86-26971  EXTRATERRESTRIAL INTELLIGENCE The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766  Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 A decade of SETI observations p 308 N86-26905 An infrared search for extraterrestrial laser signals p 309 N86-26907  Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-26908  Overview of the NASA SETI Program p 309 N86-26908  Goldstone field test activities: Target search p 309 N86-26911
and opportunities p 255 A86-37077 The universal diagrams and life in the universe p 297 A86-38148 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(2776]) p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: A continuing bibliography with indexes [NASA-SP-7011(276]) p 37 N86-12954 The scanning electron microscope as a tool in space biology USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] p 92 N86-16888 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 279) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(279)] p 114 N86-18960 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 281) [NASA-SP-7011(281)] p 120 N86-19850 Shklovskiy discusses possibility of extraterrestriat intelligence p 157 N86-20444 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150	Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Training of cosmonauts and experience during space flight p 263 A86-35286 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  EXPERIMENT DESIGN The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion p 230 A86-29901  Assessing the human performance envelope - A brief guide  [SAE PAPER 851776] p 263 A86-35428  Excursion limits in shallow water heliox saturation diving p 125 N86-19877  Exobiology experiment concepts for space station p 310 N86-27152  EXPERIMENTATION Variation in baseline sister chromatid exchange frequencies in humans  [DE85-016084] p 64 N86-14883 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  Mesolimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology  [AD-A160821] p 136 N86-19900  EXPERT SYSTEMS  An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811  Expert computer aided decision in supervisory control p 241 A86-3188  Design for a goal-oriented telerobotic system  [AIAA PAPER 86-2090] p 429 A86-47440  Aiding the operator during novel fault diagnosis	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field  p 279 N86-27894  Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  EXTINCTION  Biological extinction in earth history p 207 A86-32057  The fossil record of evolution: Analysis of extinction p 308 N86-26901  The fossil record of evolution: Data on diversification and extinction p 308 N86-26902  Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903  EXTRATERRESTRIAL ENVIRONMENTS  Cooperation of catalysts and templates p 301 N86-26871  EXTRATERRESTRIAL INTELLIGENCE  The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766  Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444  A decade of SETI observations p 308 N86-26905  An infrared search for extraterrestrial laser signals p 309 N86-26907  Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-26908  Overview of the NASA SETI Program p 309 N86-26909  Goldstone field test activities: Target search p 309 N86-26909

The qualities of complex life	Characterization of YAG lasers for ophthalmologic	FABRICS
The evolution of complex life [IAF PAPER 85-465] p 48 A86-15919	applications	Thermal insulating capabilities of 'thin' clothing
The anthropic principle - Probability and the possibility	Effect of intensive visible light on activity of glutathione	insulation p 22 A86-10263 Evaluation of materials for thermal protection
of extraterrestrial life	peroxidase in pigmented epithelium of eye	[AD-P004901] p 187 N86-20638
[IAF PAPER 85-468] p 48 A86-15921 Signs of life in molecules of Universe	p 210 N86-23226 Soft contact lens wear during +G(Z) acceleration	Inhalation toxicology. 5: Evaluation of relative toxicity
p 154 A86-25774	[AD-A165013] p 289 N86-27915	to rats of thermal decomposition products from two aircraft seat fire-blocking materials
Photometric and photo acoustic measurement of the	EYE DISEASES	[AD-A165034] p 277 N86-27866
absorbance of micro-organisms and its relation to the micro-organism-grain hypothesis p 188 A86-26671	Central serous retinopathy (choroidopathy) in pilots p 254 A86-36317	FACE (ANATOMY)
Universal protein ancestors from hydrogen cyanide and	EYE DOMINANCE	Hyberbaric oxygen in the treatment of Bell's palsy p 124 N86-19870
water extraterrestrial origins p 296 A86-38141	A study of functional asymmetry of paired organs in aircraft personnel p.10 A86-10750	FACILITIES
Panspermia - A modern astrophysical and biological	aircraft personnel p 10 A86-10750 Cortical plasticity: Theoretical analysis, experimental	An updated model for a Space Station Health Maintenance Facility
approach p 296 A86-38142 The universal diagrams and life in the universe	results	[AIAA PAPER 86-2303] p 397 A86-46938
p 297 A86-38148	[AD-A157965] p 38 N86-12961 EYE EXAMINATIONS	FACTOR ANALYSIS
On the occurrence and appearance of galactic life forms	A new test of the color vision of professionals	Weather as a physical process and parameterization of the effects as a meteorological contribution for
- A thermodynamic approach p 297 A86-38150	P 112 A86-24505	investigating the correlation between weather and man
The question of life on Mars p 410 A86-43927 Search for chiral molecules and optical activity in	The perception of motion during colinear eye	p 166 N86-21026 FAIL-SAFE SYSTEMS
extraterrestrial systems. The Cassini mission opportunity	movements p 41 A86-14143	Winging it in the 1980's - Why guidelines are needed
p 387 N86-28871 EXTRATERRESTRIAL MATTER	Precision and accuracy of oculocentric direction for targets of different luminances p 58 A86-17351	for cockpit automation
Synthesis and analysis in studies of chemical	The effects of simulator and aircraft motion on eye scan	[SAE PAPER 841634] p 147 A86-26022 FAILURE ANALYSIS
evolution p 300 N86-26864 EXTRATERRESTRIAL RADIATION	behavior p 128 A86-23709	Aiding the operator during novel fault diagnosis
A proposal for a longitudinal study to assess the hazards	Eye-controlled switching for crew station design p 142 A86-23711	p 426 A86-49633
of radiation in space flight	Improvement in direction discrimination - No role for eye	Light-Weight Radioisotope Heater Unit Safety Analysis Report (LWRHU-SAR). Volume 1. A. Introduction and
[AD-A160801] p 117 N86-18975 EXTRATERRESTRIAL RESOURCES	movements p 234 A86-32073	executive summary. B. Reference Design Document
The retrieval, storage, and recycling of water for a	Eye-scan behavior in a flight simulation task as a function of level of training p 260 A86-33794	(RDD)
manned base on Mars	Eye and head response to an attention cue in a dual	[DE86-001457] p 172 N86-21113 FALLOUT
[AAS 84-180] p 186 A86-28806 Mass-balance model for a controlled ecological life	task paradigm p 262 A86-33827	Thyroid absorbed dose for people at Rongelap, Utirik
support system on Mars	A model of the system controlling involuntary eye movements p 247 A86-36496	and Sifo on March 1, 1954 [DE85-014695] D 17 N86-11846
[AAS 84-184] p 186 A86-28810	Visual information transfer. Part 1: Assessment of	[DE85-014695] p 17 N86-11846 Interactive scenario computer model for dose rates to
EXTRAVEHICULAR ACTIVITY Orbital flight test of the manned maneuvering unit	specific information needs. Part 2: Parameters of appropriate instrument scanning behavior	aircrews in flight through nuclear debris clouds
p 98 A86-21068	[NASA-CR-176277] p 21 N86-11850	[AD-A158741] p 40 N86-13888 Late biological effects from internal and external
Physiological considerations for EVA in the Space Station era	Application of the system identification technique to	exposure
[SAE PAPER 851313] p 111 A86-23504	goal-directed saccades [AD-A159102] p 69 N86-15909	[DE86-001181] p 278 N86-27868
Minimum pressure for a zero-prebreathe pressure suit	Eye movements and spatial pattern vision	FAR FIELDS  A comparison of the specific absorption rate in a
[SAE PAPER 851315] p 137 A86-23505 The roles of astronauts and machines for future space	[AD-A160408] p 115 N86-18963 EYE PROTECTION	homogeneous man model and a man model containing
operations	Nonionizing radiation damage in the eye	realistic model bones [AD-A168547] p 424 N86-32960
[SAE PAPER 851332] p 137 A86-23521	p 251 A86-33838	[AD-A168547] p 424 N86-32960 FARM CROPS
Evolutionary paths for artificial intelligence technologies in operator interactions with space station robots	Protection of eyes against laser damage studied p 39 N86-12967	Phosphorobacterin and its effectiveness
	p 39 1400-1290/	[AD-A164508] p 248 N86-25973
p 269 A86-34971	Compendium of protective eyewear	FAST FOURIER TRANSFORMATIONS
EVA suit glove design p 383 A86-40521	[PB86-135779] p 273 N86-25126	FAST FOURIER TRANSFORMATIONS  Computational models of human vision with
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement	Computational models of human vision with applications
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906  FASTING
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces p 294 N86-26816 Effects of broad-banded eye protection on dark adaptation p 284 N86-26817	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906  FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate  p 52 A86-18840
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces p 294 N86-26816 Effects of broad-banded eye protection on dark adaptation p 284 N86-26817 Eye protection against intense light sources	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906  FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate  p 52 A86-18840  FATIGUE (BIOLOGY)
EVA suit glove design Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces p 294 N86-26816 Effects of broad-banded eye protection on dark adaptation p 284 N86-26817 Eye protection against intense light sources p 284 N86-26818 Calculations on technical requirements for protection	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898. The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840 FATIGUE (BIOLOGY)  The state of man's organism under conditions of
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906  FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate  p 52 A86-18840  FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906  FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840  FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306  Cage-size and gender effects on fatigue in rats
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47772 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove	[PB86-135779] p 273 N86-25126  Visual Protection and Enhancement  [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation  Eye protection against intense light sources  p 284 N86-26817  Calculations on technical requirements for protection devices against a nuclear light flash  The application of diffraction optics techniques to laser eye protection  p 284 N86-26819	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906  FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840  FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306  Cage-size and gender effects on fatigue in rats p 198 A86-30430
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove  EXTRAVEHICULAR MOBILITY UNITS	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906  FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840  FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 437 A86-47741 Improved flexibility of an EVA glove  EXTRAVEHICULAR MOBILITY UNITS Evolution of the Shuttle Extravehicular Mobility Unit's life support system	[PB86-135779] p 273 N86-25126  Visual Protection and Enhancement  [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation p 284 N86-26817  Eye protection against intense light sources  p 284 N86-26818  Calculations on technical requirements for protection devices against a nuclear light flash  The application of diffraction optics techniques to laser eye protection  p 284 N86-26821  Foveal flashes and human performance  p 284 N86-26822  Permanent visual change associated with punctate	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840 FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and
Advanced EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove  EXTRAVEHICULAR MOBILITY UNITS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906  FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840  FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 437 A86-47741 Improved flexibility of an EVA glove  EXTRAVEHICULAR MOBILITY UNITS Evolution of the Shuttle Extravehicular Mobility Unit's life support system	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces p 294 N86-26816 Effects of broad-banded eye protection on dark adaptation p 284 N86-26817 Eye protection against intense light sources p 284 N86-26818 Calculations on technical requirements for protection devices against a nuclear light flash The application of diffraction optics techniques to laser eye protection p 284 N86-26821 Foveal flashes and human performance p 284 N86-26822 Permanent visual change associated with punctate	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898. The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840 FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890 Mechanisms of bioenergetic homeostasis during
Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove p 433 A86-48713 EVOLUTION of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522 EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] p 93 N86-16895	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840 FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove  EXTRAVEHICULAR MOBILITY UNITS Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522 EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material	PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces p 294 N86-26816 Effects of broad-banded eye protection on dark adaptation Eye protection against intense light sources p 284 N86-26817 Eye protection against intense light sources Calculations on technical requirements for protection devices against a nuclear light flash p 284 N86-26819 The application of diffraction optics techniques to laser eye protection Foveal flashes and human performance p 284 N86-26821 Foveal flashes and human performance p 284 N86-26822 Permanent visual change associated with punctate foveal lesions EYEPIECES New glasses for presbyopic pilots p 283 N86-26814 Contact lenses for pilots and aircrew in the services	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898. The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840 FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature p 92 N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 Influence of complexity of control task on level of
Advanced EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove p 433 A86-48713 EVOLUTION of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522 EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] p 222 N86-23276	[PB86-135779] p 273 N86-25126 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898. The Berkeley Serendip Project p 309 N86-26906 FASTING  Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840  FATIGUE (BIOLOGY)  The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306  Cage-size and gender effects on fatigue in rats p 198 A86-30430  Eye-movement activity as index of functional state of brain p 14 N86-10756  Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890  Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098  Influence of complexity of control task on level of activation of operators physiological functions when
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove  EXTRAVEHICULAR MOBILITY UNITS Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 861333] p 137 A86-23522 EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] p 22 N86-23276 Extremely Low Frequency (ELF) communications	[PB86-135779] p 273 N86-25126  Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation  Eye protection against intense light sources p 284 N86-26817  Eye protection against intense light sources p 284 N86-26818  Calculations on technical requirements for protection devices against a nuclear light flash  The application of diffraction optics techniques to laser eye protection p 284 N86-26819  Toveal flashes and human performance p 284 N86-26821  Foveal flashes and human performance p 284 N86-26822  Permanent visual change associated with punctate foveal lesions  EYEPIECES  New glasses for presbyopic pilots p 283 N86-26814  Contact lenses for pilots and aircrew in the services p 284 N86-26815	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898. The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840 FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature p 92 N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 Influence of complexity of control task on level of
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for protonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove  EXTRAVEHICULAR MOBILITY UNITS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522 EXTREMELY LOW FREQUENCIES  Biological effects of electric fields [PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] p 222 N86-23276 Extremely Low Frequency (ELF) communications system bio-effects library development	PB86-135779] p 273 N86-25126  Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation  Eye protection against intense light sources  p 284 N86-26817  Eye protection against intense light sources  Calculations on technical requirements for protection devices against a nuclear light flash  The application of diffraction optics techniques to laser eye protection  Foreal flashes and human performance  p 284 N86-26812  Permanent visual change associated with punctate foveal lesions  p 284 N86-26823  EYEPIECES  New glasses for presbyopic pilots  p 283 N86-26814  Contact lenses for pilots and aircrew in the services  p 284 N86-26815	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898. The Berkeley Serendip Project p 309 N86-26906 FASTING  Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840  FATIGUE (BIOLOGY)  The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306  Cage-size and gender effects on fatigue in rats p 198 A86-30430  Eye-movement activity as index of functional state of brain  Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-1690 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 Respiratory response and muscle function during isometric handgrip exercise at high altitude
Advanced EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove  EXTRAVEHICULAR MOBILITY UNITS  Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522 EXTREMELY LOW FREQUENCIES Biological effects of electric fields  [PB86-116530] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162839] p 225 N86-24204 ELF (Extremely Low Frequency) biological effects	PB86-135779] p 273 N86-25126  Visual Protection and Enhancement  [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation  p 284 N86-26817  Eye protection against intense light sources  p 284 N86-26818  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  The application of diffraction optics techniques to laser eye protection  foveal flashes and human performance  p 284 N86-26821  Foveal flashes and human performance  p 284 N86-26822  Permanent visual change associated with punctate foveal lesions  p 283 N86-26823  EYEPIECES  New glasses for presbyopic pilots  p 283 N86-26814  Contact lenses for pilots and aircrew in the services p 284 N86-26815	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840  FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 2 N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-2360 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove  EXTRAVEHICULAR MOBILITY UNITS Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522 EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] p 222 N86-23276 Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162839] p 225 N86-24204 ELF (Extremely Low Frequency) biological effects literature data base management system	[PB86-135779] p 273 N86-25126  Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation Eye protection against intense light sources p 284 N86-26817  Eye protection against intense light sources p 284 N86-26818  Calculations on technical requirements for protection devices against a nuclear light flash  The application of diffraction optics techniques to laser eye protection p 284 N86-26819  Foveal flashes and human performance p 284 N86-26821  Foveal flashes and human performance p 284 N86-26822  Permanent visual change associated with punctate foveal lesions  EYEPIECES  New glasses for presbyopic pilots p 283 N86-26814  Contact lenses for pilots and aircrew in the services p 284 N86-26815  F	Computational models of human vision with applications  [NASA-CR-176413] p 67 N86-15898  The Berkeley Serendip Project p 309 N86-26906  FASTING  Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate  p 52 A86-18840  FATIGUE (BIOLOGY)  The state of man's organism under conditions of elevated atmospheric carbon dioxide  p 163 A86-29306  Cage-size and gender effects on fatigue in rats p 198 A86-30430  Eye-movement activity as index of functional state of brain p 14 N86-10756  Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890  Mechanisms of bioenergetic homeostasis during exercise: A general model  [AD-A161678] p 176 N86-22098  Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260  Respiratory response and muscle function during sometric handgrip exercise at high altitude  [AD-A162003] p 223 N86-24198  Effectiveness of an air-cooled vest using selected air temperature and humidity combinations
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove  EXTRAVEHICULAR MOBILITY UNITS Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 85.1333] p 137 A86-23522 EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] p 222 N86-23276 Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162899] ELF (Extremely Low Frequency) biological effects literature data base management system [AD-A162900] Growth and development of rhesus monkeys exposed	PB86-135779] p 273 N86-25126  Visual Protection and Enhancement  [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation  p 284 N86-26817  Eye protection against intense light sources  p 284 N86-26818  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  The application of diffraction optics techniques to laser eye protection  p 284 N86-26821  Foveal flashes and human performance  p 284 N86-26822  Permanent visual change associated with punctate foveal lesions  EYEPIECES  New glasses for presbyopic pilots  p 283 N86-26814  Contact lenses for pilots and aircrew in the services  p 284 N86-26815  F  F-14 AIRCRAFT  Evaluation of pilot performance and aircrew protective devices in a simulated F-14 flat spin environment  p 86 A86-19351	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840  FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 2 N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-2360 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 Effectiveness of an air-cooled vest using selected air temperature and humidity combinations
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove p 433 A86-48713  EXTRAVEHICULAR MOBILITY UNITS EVolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522  EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] p 222 N86-23276 Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162839] p 225 N86-24204 ELF (Extremely Low Frequency) biological effects literature data base management system [AD-A162900] p 256 N86-24205 Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic	[PB86-135779] p 273 N86-25126  Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation Eye protection against intense light sources p 284 N86-26817  Eye protection against intense light sources p 284 N86-26818  Calculations on technical requirements for protection devices against a nuclear light flash  The application of diffraction optics techniques to laser eye protection p 284 N86-26819  Though It is a possible to p 284 N86-26821  Foveal flashes and human performance p 284 N86-26822  Permanent visual change associated with punctate foveal lesions p 284 N86-26823  EYEPIECES  New glasses for presbyopic pilots p 283 N86-26814  Contact lenses for pilots and aircrew in the services p 284 N86-26815  F  F-14 AIRCRAFT Evaluation of pilot performance and aircrew protective devices in a simulated F-14 flat spin environment p 86 A86-19351  Visual capabilities related to fighter aircrew performance	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840  FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A16203] p 223 N86-24198 Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A162026] p 242 N86-24219 Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47741 Design of a portable, collapsible hyperbaric chamber p 430 A86-47741 Improved flexibility of an EVA glove p 417 A86-47741 Improved flexibility of an EVA glove p 433 A86-48713  EXTRAVEHICULAR MOBILITY UNITS Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522  EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162839] p 225 N86-23276 Extremely Low Frequency biological effects literature data base management system [AD-A162900] p 225 N86-24204 Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life	PB86-135779] p 273 N86-25126  Visual Protection and Enhancement  [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation  p 284 N86-26817  Eye protection against intense light sources  p 284 N86-26818  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  The application of diffraction optics techniques to laser eye protection  p 284 N86-26821  Foveal flashes and human performance  p 284 N86-26822  Permanent visual change associated with punctate foveal lesions  EYEPIECES  New glasses for presbyopic pilots  p 283 N86-26814  Contact lenses for pilots and aircrew in the services  p 284 N86-26815  F  F-14 AIRCRAFT  Evaluation of pilot performance and aircrew protective devices in a simulated F-14 flat spin environment  p 86 A86-19351	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840 FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 2N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-2360 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A162026] p 242 N86-24219 Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove p 433 A86-48713 EXTRAVEHICULAR MOBILITY UNITS  EXTRAVEHICULAR MOBILITY UNITS  EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] p 922 N86-23276 Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162839] p 225 N86-24204 ELF (Extremely Low Frequency) biological effects literature data base management system [AD-A162900] Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life [AD-A168733] P 417 N86-32953 EYE (ANATOMY)	P86-135779] p 273 N86-25126  Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation  Eye protection against intense light sources  p 284 N86-26817  Eye protection against intense light sources  p 284 N86-26818  Calculations on technical requirements for protection devices against a nuclear light flash  The application of diffraction optics techniques to laser eye protection  p 284 N86-26819  The application of diffraction optics techniques to laser eye protection  p 284 N86-26819  Foveal flashes and human performance  p 284 N86-26821  Foveal flashes and human performance  p 284 N86-26822  Permanent visual change associated with punctate foveal lesions  EYEPIECES  New glasses for presbyopic pilots  p 283 N86-26814  Contact lenses for pilots and aircrew in the services  p 284 N86-26815  F  F-14 AIRCRAFT  Evaluation of pilot performance and aircrew protective devices in a simulated F-14 flat spin environment  p 86 A86-19351  Visual capabilities related to fighter aircrew performance in the F-14 and adversary aircraft  p 400 N86-30320  F-16 AIRCRAFT  Advanced fighter technology integration (AFTI) F-16	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898. The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840 FATIGUE (BIOLOGY)  The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature (NASA-TM-88197) p 92 N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-22600 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A162026] crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613 An investigation of the use of steady-state evoked
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 430 A86-47741 Improved flexibility of an EVA glove p 433 A86-48713 EXTRAVEHICULAR MOBILITY UNITS  EVOLUTION of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522 EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] p 222 N86-23276 Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162839] p 225 N86-24204 ELF (Extremely Low Frequency) biological effects library development [AD-A162900] p 225 N86-24205 Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life [AD-A168733] p 417 N86-32953 EYE (ANATOMY) A graphic anthropometric aid for seating and workplace	[PB86-135779] p 273 N86-25126  Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation Eye protection against intense light sources p 284 N86-26817  Eye protection against intense light sources p 284 N86-26818  Calculations on technical requirements for protection devices against a nuclear light flash  The application of diffraction optics techniques to laser eye protection p 284 N86-26819  The application of diffraction optics techniques to laser eye protection p 284 N86-26819  Foveal flashes and human performance p 284 N86-26821  Foveal flashes and human performance p 284 N86-26822  Permanent visual change associated with punctate foveal lesions p 284 N86-26823  EYEPIECES  New glasses for presbyopic pilots p 283 N86-26814  Contact lenses for pilots and aircrew in the services p 284 N86-26815  F  F-14 AIRCRAFT  Evaluation of pilot performance and aircrew protective devices in a simulated F-14 flat spin environment p 86 A86-19351  Visual capabilities related to fighter aircrew performance in the F-14 and adversary aircraft p 400 N86-30320  F-16 AIRCRAFT  Advanced fighter technology integration (AFTI) F-16 - The pilot interface	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840  FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A16203] p 223 N86-24198 Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A16206] p 242 N86-24219 Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613 An investigation of the use of steady-state evoked potentials for human performance and workload assessment and control
Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove p 433 A86-48713 EVATEMENT SEVOLUTION of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522 EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] p 222 N86-23276 Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162899] p 225 N86-24204 ELF (Extremely Low Frequency) biological effects literature data base management system [AD-A162900] p 225 N86-24205 Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life [AD-A168733] P 417 N86-32953 EVE (ANATOMY) A graphic anthropometric aid for seating and workplace design	P886-135779  p 273 N86-25126	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840 FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-2298 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-2360 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162026] p 242 N86-24198 Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A162026] p 242 N86-24219 Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613 An investigation of the use of steady-state evoked potentials for human performance and workload assessment and control
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 430 A86-47741 Improved flexibility of an EVA glove p 433 A86-48713 EXTRAVEHICULAR MOBILITY UNITS  EVOLUTION of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522 EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] p 222 N86-23276 Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162839] p 225 N86-24204 ELF (Extremely Low Frequency) biological effects library development [AD-A162900] p 225 N86-24205 Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life [AD-A168733] p 417 N86-32953 EYE (ANATOMY)  A graphic anthropometric aid for seating and workplace design [AD-A156988] p 23 N86-10788 Cortical plasticity: Theoretical analysis, experimental	PB86-135779  p 273 N86-25126	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840 [FATIGUE (BIOLOGY)]  The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 [P 163 A86-29306]  Cage-size and gender effects on fatigue in rats p 198 A86-30430 [P 163 A86-29306]  Eye-movement activity as index of functional state of brain p 14 N86-10756 [P 164 N86-10756]  Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890 [NASA-TM-88197] p 176 N86-22098 [NG-A161678] p 176 N86-22098 [Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 [P 223 N86-24198] [AD-A16203] p 223 N86-24198 [Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A162026] p 242 N86-24219 [P 242 N86-24219] [P 247 N86-28613 An investigation of the use of steady-state evoked potentials for human performance and workload assessment and control [AD-A16205] p 404 N86-30332 [P 277 NACIOS]
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove p 433 A86-48713 EXTRAVEHICULAR MOBILITY UNITS Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522 EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] p 222 N86-23276 Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162839] p 225 N86-24204 ELF (Extremely Low Frequency) biological effects literature data base management system [AD-A162900] p 225 N86-24205 Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life [AD-A168733] p 417 N86-32953 EVE (ANATOMY) A graphic anthropometric aid for seating and workplace design [AD-A156988] p 23 N86-10788 Cortical plasticity: Theoretical analysis, experimental results	PB86-135779] p 273 N86-25126  Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to + Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation  Eye protection against intense light sources  p 284 N86-26817  Eye protection against intense light sources  Calculations on technical requirements for protection devices against a nuclear light flash  The application of diffraction optics techniques to laser eye protection  p 284 N86-26819  The application of diffraction optics techniques to laser eye protection  p 284 N86-26819  Foveal flashes and human performance  p 284 N86-26822  Permanent visual change associated with punctate foveal lesions  p 284 N86-26823  EYEPIECES  New glasses for presbyopic pilots  p 283 N86-26814  Contact lenses for pilots and aircrew in the services  p 284 N86-26815  F  F-14 AIRCRAFT  Evaluation of pilot performance and aircrew protective devices in a simulated F-14 flat spin environment  p 86 A86-19351  Visual capabilities related to fighter aircrew performance in the F-14 and adversary aircraft  Advanced fighter technology integration (AFTI) F-16  The pilot interface  [SAE PAPER 841633]  p 146 A86-26018  Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report  p 401 N86-30323	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840 FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-22860 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A162026] p 242 N86-24219 Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613 An investigation of the use of steady-state evoked potentials for human performance and workload assessment and control [AD-A166005] p 404 N86-30332 FATTY ACIDS Effect of elevated FFA on carbohydrate and lipid oxidation during prolonged exercise in humans
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47741 Design of a portable, collapsible hyperbaric chamber p 430 A86-47741 Improved flexibility of an EVA glove p 417 A86-47741 Improved flexibility of an EVA glove p 433 A86-48713  EXTRAVEHICULAR MOBILITY UNITS Evolution of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522  EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162839] p 222 N86-23276 Extremely Low Frequency) biological effects literature data base management system [AD-A162900] p 225 N86-24204 ELF (Extremely Low Frequency) biological effects literature data base management system [AD-A162900] p 225 N86-24205 Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life [AD-A168733] p 417 N86-32953  EVE (ANATOMY) A graphic anthropometric aid for seating and workplace design [AD-A157865] p 38 N86-10788 Cortical plasticity: Theoretical analysis, experimental results [AD-A157865] p 38 N86-12961	PB86-135779  p 273 N86-25126	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840  FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A16203] p 223 N86-24198 Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A162026] p 242 N86-24219 Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613 An investigation of the use of steady-state evoked potentials for human performance and workload assessment and control [AD-A166205] p 404 N86-30332 FATTY ACIDS  Effect of elevated FFA on carbohydrate and lipid oxidation during prolonged exercise in humans p 215 A86-30679
EVA suit glove design p 383 A86-40521 Advanced EVA operation on-orbit tasks and services [AIAA PAPER 86-1175] p 384 A86-40585 Advanced space suit development for future on-orbit operations [AIAA PAPER 86-2310] p 407 A86-46941 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 Improved flexibility of an EVA glove p 433 A86-48713  EXTRAVEHICULAR MOBILITY UNITS EVOLUTION of the Shuttle Extravehicular Mobility Unit's life support system [SAE PAPER 851333] p 137 A86-23522  EXTREMELY LOW FREQUENCIES Biological effects of electric fields [PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces [PB86-116530] p 222 N86-23276 Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162839] p 225 N86-24204 ELF (Extremely Low Frequency) biological effects literature data base management system [AD-A162900] Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life [AD-A168733] p 417 N86-32953  EYE (ANATOMY) A graphic anthropometric aid for seating and workplace design [AD-A15988] p 23 N86-10788 Cortical plasticity: Theoretical analysis, experimental results [AD-A157965] p 38 N86-12961	P86-135779] p 273 N86-25126  Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802  Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces  p 294 N86-26816  Effects of broad-banded eye protection on dark adaptation  Eye protection against intense light sources  p 284 N86-26817  Eye protection against intense light sources  p 284 N86-26818  Calculations on technical requirements for protection devices against a nuclear light flash  The application of diffraction optics techniques to laser eye protection  p 284 N86-26819  The application of diffraction optics techniques to laser eye protection  p 284 N86-26821  Foveal flashes and human performance  p 284 N86-26822  Permanent visual change associated with punctate foveal lesions  EYEPIECES  New glasses for presbyopic pilots  p 283 N86-26814  Contact lenses for pilots and aircrew in the services  p 284 N86-26815  F  F-14 AIRCRAFT  Evaluation of pilot performance and aircrew protective devices in a simulated F-14 flat spin environment  p 86 A86-19351  Visual capabilities related to fighter aircrew performance in the F-14 and adversary aircraft  p 400 N86-30320  F-16 AIRCRAFT  Advanced fighter technology integration (AFTI) F-16 - The pilot interface  [SAE PAPER 841633]  p 146 A86-26018  Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report  p 401 N86-30323  Treadmill spiroergometry in the selection and screening	Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 The Berkeley Serendip Project p 309 N86-26906 FASTING Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate p 52 A86-18840 FATIGUE (BIOLOGY) The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306 Cage-size and gender effects on fatigue in rats p 198 A86-30430 Eye-movement activity as index of functional state of brain p 14 N86-10756 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-22860 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A162026] p 242 N86-24219 Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613 An investigation of the use of steady-state evoked potentials for human performance and workload assessment and control [AD-A166005] p 404 N86-30332 FATTY ACIDS Effect of elevated FFA on carbohydrate and lipid oxidation during prolonged exercise in humans

FAULT TOLERANCE	Relationship between alkylation sites and induction of	FILTRATION
Interaction between controlling, planning, and fault managing in complex man-machine systems	dominant lethals and heritable translocations in mice [DE85-014309] p 7 N86-11835	Expedient methods of respiratory protection. 3:
p 240 A86-33184	Effects of simulated weightlessness on meiosis.	Submicron particle tests and summary of quality factors [TI85-018278] p 94 N86-17983
FAULT TREES	Fertilization, and early development in mice	Utilization of membranes for H2O recycle system
Impact of the human on system safety analysis [DE86-008182] p 409 N86-31224	[NASA-CR-177106] p 410 N86-30342 FERTILIZERS	p 148 N86-19910
FEAR	Phosphorobacterin and its effectiveness	Water recycling system using thermopervaporation method p 150 N86-19921
The scared pilot p 228 A86-29887 FEAR OF FLYING	[AD-A164508] p 248 N86-25973	FINANCE
Flying and danger, joy and fear pilot motivation and	FETUSES Teratogenic effects of microwave radiation	Biotechnology: The US Department of Agriculture's
fear of flying	[PB85-207462] p 7 N86-11837	biotechnology research efforts [GAO/RCED-86-39BR] p 376 N86-29494
[AD-A166555] p 131 A86-25655 US Air Force combat psychiatry	Biological studies of swine exposed to 60-Hz electric	FINGERS
[AD-A165011] p 292 N86-27921	fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345	Suture needle holder [AD-D011764] p. 37 N86-12958
FEEDBACK	FEVER P 411 N86-30345	[AD-D011764] p 37 N86-12958 Some dominant frequencies of postural tremor are lower
Studies on visual information processing in retinal neurons	Clinico-epidemiological characteristics of Q fever in	at 31 bar p 122 N86-19859
[EL-859] p 288 N86-27906	Carpathian foothills p 118 N86-19834 FIBER OPTICS	FIREPROOFING
FEEDBACK CONTROL	Fiber optic pressure sensors in skin-friction	Refurbishing spray on aluminum enamel on proximity clothing
Studies on human vehicle control [B8563352] p 19 N86-10775	measurements	[AD-A159707] p 153 N86-19944
[B8563352] p 19 N86-10775 The biomorphic model of the human pilot	[NASA-CR-176294] p 16 N86-11838 Infrared optical measurement of blood gas	Inhelation toricalogy 5. Fundamental and a torical and a torical
[VTH-LR-310] p 100 N86-17991	Infrared optical measurement of blood gas concentrations and fiber optic catheter	Inhalation toxicology. 5: Evaluation of relative toxicity to rats of thermal decomposition products from two aircraft
Servo operated anti-G suit pressurization system [AD-D011932] p 147 N86-18988	[AD-D011836] p 37 N86-12955	seat fire-blocking materials
[AD-D011932] p 147 N86-18988 Modified superposition: A simple time series approach	Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring	[AD-A165034] p 277 N86-27866 FISHES
to closed-loop manual controller identification	[DE86-002239] p 225 N86-24209	Identification and quantification of the water-soluble
p 442 N86-33009 A flight test method for pilot/aircraft analysis	FIBROBLASTS	components of JP-4 and a determination of their biological
p 442 N86-33011	Metabolism of T-2 mycotoxin by cultured cells [AD-A159678] p 107 N86-18951	effects upon selected freshwater organisms
Closed-loop, pilot/vehicle analysis of the approach and	[AD-A159678] p 107 N86-18951 FIELD OF VIEW	[AD-A160271] p 108 N86-18957 Investigations of the reproductive physiology of the
landing task p 442 N86-33013 FEET (ANATOMY)	Visual lobe area for single targets on a competing	rainbow trout (Salmo gairdneri Richardson)
Drop foot corrective device	homogeneous background p 234 A86-31821 New glasses for presbyopic pilots	p 388 N86-29521
[NASA-CASE-LAR-12259-2] p 188 N86-22112	p 283 N86-26814	Function-dependent plasticity in the nervous system p 389 N86-29528
The design, fabrication and delivery of a manipulator foot restraint mockup for space telescope development	FIELD STRENGTH	FITNESS
testing	Assessment of selected physiological indicators in antenna operators at short-wave transmitting and receiving	Changes in fitness and shipboard task performance
[NASA-CR-178837] p 272 N86-25121	centers p 220 N86-23250	following circuit weight training programs featuring continuous or interval running
Method of demonstrating calcium in human foot by neutron activation of (alpha, N)-sources	FIGHTER AIRCRAFT	[AD-A163110] p 225 N86-24206
p 287 N86-27899	Human pilot parameter identification for a simulated air-to-ground target acquisition task p 18 A86-10157	FIXED WINGS
FEMALES	air-to-ground target acquisition task p 18 A86-10157 Computer tools and techniques for analysis of discrete	The helicopter to fixed wing conversion program: A critical review
Testosterone and muscle hypertrophy in female rats	data from aircrew automated escape systems (AAES)	[AD-A156820] p 42 N86-12968
p 2 A66-12026 Comparison of the Air Force female and male pilot	p 96 A86-19302 Advanced fighter technology integration (AFTI) F-16 -	FLAMMABLE GASES
grounded time in the Air Force Military Airlift Command	The pilot interface	Inhalation toxicology. Part 6: Evaluation of the relative toxicity of thermal decomposition products from 9 aircraft
[AD-A158093] p 68 N86-15902 A comparison of the effects of circuit weight training	[SAE PAPER 841633] p 146 A86-26018	panel materials
on men and women	Vision in spatial disorientation (SDO) and loss of situational awareness p 226 A86-29853	[AD-A168250] p 424 N86-32958 FLASH BLINDNESS
[AD-A159419] p 69 N86-15910	situational awareness p 226 A86-29853 Pilot usage of decoupled flight path and pitch controls	Potency of photoflash-produced retrograde amnesia in
Less bubble formation in women divers p 126 N86-19883	p 236 A86-29854	rats
Helicopter-referenced single control, center-position	Development of a comprehensive voice message vocabulary for tactical aircraft p 237 A86-29861	[AD-A159149] p 55 N86-15859
force exertion capabilities of males and females	Subjective assessment of pilot workload in the advanced	Calculations on technical requirements for protection devices against a nuclear light flash
[AD-A161234] p 154 N86-19946 Comparison of male and female maximum lifting	fighter cockpit p 238 A86-29878	p 284 N86-26819
capacity	G-induced loss of consciousness - Combat aircraft pilots head for trouble p 396 A86-44814	Foveal flashes and human performance
[AD-A160687] p 171 N86-21111	An engineering test and evaluation of several new anti-G	p 284 N86-26822 FLEXIBILITY
Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction	valves for high performance fighter aircraft	Direct model reference adaptive control of a flexible
p 220 N86-23259	p 430 A86-47734 Current research on advanced concept anti-G suits	robotic manipulator [NASA-CR-176659] p 188 N86-22113
Acute oral toxicity (LD50) of guanidine hydrochloride in	p 431 A86-47747	[NASA-CR-176659] p 188 N86-22113 FLEXIBLE SPACECRAFT
rats [AD-A165747] p 376 N86-28608	Single stage rapid response anti-G valve	On-orbit manipulators - Sensory and control
FEMUR	p 432 A86-47762 The beginnings of airborne weightlessness research	approaches [AIAA PAPER 86-2185] p 429 A86-47467
Correlated light and electron microscopy of the	[AD-A160575] p 115 N86-18966	[AIAA PAPEH 86-2185] p 429 A86-47467 FLICKER
vasculature of cortical bone in rat femora and tibiae p 193 A86-30395	Medical Selection and Physiological Training of Future	The effects of the contrast, spatial frequency, and
FERMENTATION	Fighter Aircrew [AGARD-CP-396] p 398 N86-30309	temporal frequency of a surrounding field upon the detection thresholds of gratings p 132 A86-26293
Biotechnology: Science and practice	Aircrew aspects of United Stated future fighter aircraft	detection thresholds of gratings p 132 A86-26293 FLIGHT ALTITUDE
p 4 N86-10742 Design concepts for bioreactors in space	p 398 N86-30310	The effects of preview period on descent detection
p 151 N86-19926	Medical selection and physiological training of fighter pilots: A 1985 perspective and overview	p 230 A86-29902 Sources of optical information and their metrics for
FERTILIZATION	p 399 N86-30312	detecting loss in altitude p 230 A86-29903
Intracellular pH shift leads to microtubule assembly and microtubule-mediated motility during sea urchin fertilization	Selection and medical testing of Mirage 2000 pilots:	Increasing sensitivity to optical information specifying
<ul> <li>Correlations between elevated intracellular pH and</li> </ul>	Report of echocardiography p 399 N86-30314 Continuous ECG monitoring of Mirage 2000 pilots	loss in altitude p 230 A86-29904
microtubule activity and depressed intracellular pH and microtubule disassembly p 82 A86-22709	(comparison with Mirage 3 and F1 pilots)	Altitude estimation of pilot and non-pilot observers using real-world scenes p 230 A86-29905
Early mammalian development under conditions of	p 399 N86-30315	Mild hypoxia and visual performance with night vision
reorientation relative to the gravity vector	Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30317	goggles
p 194 A86-30399 Fertilization, development and spicule formation in sea	Computer analysis of visual and vestibular oculomotor	[AD-A156969] p 23 N86-10787 FLIGHT CHARACTERISTICS
urchins under conditions of constant reorientation relative	function in the medical selection of fighter aircrew members p.400 NR6-30319	The decision to fly by aircraft pilots
to the gravitation axis p 195 A86-30406	vision test battery threshold and response time as	[SAE PAPER 841613] p 132 A86-26024
Amphibian fertilization and development in microgravity p 195 A86-30408	predictors of air-to-air visual target acquisition in F-14 and	The role of fundamental expression in instrument flight
Microtubule configurations during fertilization, mitosis.	adversary aircraft p 400 N86-30321	performance p 229 A86-29896 Maximum normalized acceleration as a flying qualities
and early development in the mouse and the requirement	The vertebral column: Selection and aptitude of combat aircraft pilots of the future p 400 N86-30322	parameter p 442 N86-33012
for egg microtubule-mediated motility during mammalian fertilization p 371 A86-40674	Relationship of cardiopulmonary fitness to flight	FLIGHT CLOTHING
Nuclear lamins and peripheral nuclear antigens during	performance in tactical aviation p 401 N86-30326 FILLERS	Laboratory and flight testing of ballistic protective
fertilization and embryogenesis in mice and sea urchins	Standardization of carbon-phenolic composite test	headgear for rotary wing aircrew p 97 A86-19344 A waterproof vent valve for immersion suits
p 371 A86-40675	methodology p 243 N86-24527	[REPT-515] p 99 N86-17988

Dynamics of head protection (impact protective
comparison of the SPH-4 flight helmet to a commercial motorcycle helmet)
[AD-A161164] p 154 N86-19945 Methodology for integration testing of aircrew clothing
and equipment [AD-A165328] p 295 N86-26842 LIGHT CONTROL
Advanced fighter technology integration (AFTI) F-16 -
The pilot interface [SAE PAPER 841633] p 146 A86-26018
Pilot usage of decoupled flight path and pitch controls p 236 A86-29854
Applicability of using the CAR-II model in design and
evaluation of multioperator workstations with shared controls p 268 A86-33805
Helicopter flight control with one hand p 269 A86-34923
A multiple-regression model of pilot performance in vertical and translational flight
[AD-A161364] p 188 N86-22115 Aircrew aspects of United Stated future fighter aircraft
p 398 N86-30310 Flight test of a displacement sidearm controller
p 439 N86-32992 Anthropometric considerations for a 4-axis side-arm
flight controller p 439 N86-32993
A flight test method for pilot/aircraft analysis p 442 N86-33011
The development and evaluation of color systems for airborne applications: Fundamental visual, perceptual and
display systems considerations [AD-A168563] p 443 N86-33020
LIGHT CREWS
Cold water immersion test of prototype anti-exposure suits for aircrews p 44 A86-13942
The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832
Non-invasive physiologic brain monitoring in USAF
operational environments p 85 A86-19332 Canadian developments in aircrew chemical defence
protection p 97 A86-19342 A computer-based system for workstation design and
analysis for flight crews p 142 A86-23707
Effects of physiological and mental stress on crew members in relatively long flight by C-1 jet transport
aircraft p 161 A86-28100 Captain I was trying to bring up the fact that you made
a mistake earlier' - Deference and demeanor at 30,000 feet p 229 A86-29894
An analysis of the dearth of assertiveness by subordinate crewmembers p 229 A86-29897
Professional flightcrew human resource development Developing a Needs Assessment Programme
p 232 A86-29915
Human performance aspects of accident investigation p 233 A86-29931
Future directions for cost effective Air Force aircrew training - Managed technology and the training system
P 262 A86-33830 A case for realistic training of flight crews
[SAE PAPER 851915] p 264 A86-35445 Realistic training for effective crew performance
[SAE PAPER 851916] p 264 A86-35446 A practical attitude toward ventricular repolarization
abnormalities in flight crews p 282 A86-39773 Relationships among aircrew performance measures for
evaluating flight simulator training effectiveness
Phase shifting two coupled circadian pacemakers -
Implications for jet lag p 377 A86-40684 Air Force uses computer lessons to train instructors,
The technology impact of the Advanced Technology
Crew Protection (ATCP) system on high performance aircraft p 406 A86-44779
'The ACDAR' - Advanced chemical defense aircrew
The development of two prototype facial protection
systems for high performance aircrew helmets
Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746
The changing face of constant wear anti-exposure protection of Naval aircrewmen against immersion
nypothermia p 431 A86-47749
Determination of the load and stress on a cockpit crew during flight using tasking networks and the SAINT
simulation language p 432 A86-47770 Enhancing sensitivity to visual motion and enhancing
visual sensitivity
One aspect of crew training p 40 N86-13889 p 72 N86-15885

```
members
experience
processes
Station era
```

```
Instructions for flight crew members and flight crew
                                                                    Fitness-for-duty, a pilot's viewpoint
  training and examination guidelines of the West German
                                                                                                       p 232 A86-29925
  Federal Board of Transport
                                                                    Mental fitness for duty and control of arousal state
                                        p 95 N86-17985
                                                                    AE PAPER 851778] p 263 A86-35429
Flight fitness and a past myocardial infarction
                                                                  [SAE PAPER 851778]
    Night vision manual for the flight surgeon
  [AD-A1597201
                                       p 114 N86-18961
                                                                                                       p 281 A86-39772
    An experimental trial to test the efficacy of ternazepam
                                                                    Intraventricular conduction disturbances in flying
  to induce sleep and improve subsequent performance
                                                                  personnel Right bundle branch block
  during partial sleep deprivation and circadian rhythm
                                                                                                        p 378 A86-41788
                                                                     Ergometric examination of the cardiovascular system
  [AD-A1607951
                                       p 116 N86-18972
                                                                  in flight personnel
                                                                                                       p 421 A86-49370
    A study of the flight environment component of aircrew
                                                                    Canadian forces approach
                                                                                                    to
                                                                                                         aircrew
 fatigue in student navigators
[AD-A160796]
                                                                                                       p 399 N86-30311
                                       p 117 N86-18973
                                                                FLIGHT HAZARDS
    Incorporation of active elements into the articulated total
                                                                    Physiological problems of ascent to altitude
 body model
[AD-A162518]
                                                                                                       p 376 A86-40566
                                       p 177 N86-22101
                                                                FLIGHT INSTRUMENTS
    Development of a computer-managed readiness
                                                                    A multiple-regression model of pilot performance in
  assessment system
                                                                  vertical and translational flight
  [AD-A162931]
                                       p 236 N86-24215
                                                                  [AD-A161364]
                                                                                                        p 188 N86-22115
    Rehavioral
                considerations for space station design
                                                                    Optical and
                                                                                                      variables affecting
                                                                                     event-duration
  [AD-A1634781
                                       p 265 N86-25118
                                                                  self-motion perception
[AD-A161836]
    Methodology for integration testing of aircrew clothing
                                                                                                        p 223 N86-24194
  and equipmen
                                                                FLIGHT MANAGEMENT SYSTEMS
  [AD-A165328]
                                       p 295 N86-26842
                                                                    Situation versus command --- flight information for
    Effects of atropine sulfate on aircrew performance
  [AD-A1650631
                                       p 290 N86-27919
                                                                  [SAE PAPER 841638]
                                                                                                        p 147 A86-26023
    Crew factors in flight operations. Part 4: Sleep and
                                                                    Cognitive network organization and cockpit automation
p 237 A86-29858
  wakefulness in international aircrews
  [NASA-TM-882311
                                       p 379 N86-28613
                                                               FLIGHT PATHS
    The effects of expressivity and flight task on cockpit
                                                                    Pilot usage of decoupled flight path and pitch controls
  communication and resource management
                                                                    p 236 A86-29854
Interactive scenario computer model for dose rates to
  [NASA-CR-177036]
                                       p 383 N86-29505
    Pilot interaction with automated airborne decision
                                                                  aircrews in flight through nuclear debris clouds
 making systems
[NASA-CR-177002]
                                                                  [AD-A158741]
                                                                                                        p 40 N86-13888
                                       p 385 N86-29508
                                                               FLIGHT SAFETY
    Aircrew aspects of United Stated future fighter aircraft
                                                                    The use of accident statistics to influence simulator
                                      p 398 N86-30310
                                                                                                       p 144 A86-23744
    Canadian forces approach to
                                       aircrew
                                                 medical
                                                                    Some problems in flight mechanics with respect to flight
                                       p 399 N86-30311
    Computer analysis of visual and vestibular oculomotor
                                                                                                       p 131 A86-23772
                                                                    Clinical problems encountered by a squadron flight
  function in the medical selection of fighter aircrew
                                                                    rgeon p 112 A86-24502
Clinical problems posed by the medical surveillance of
                                                                  surgeon
                                       p 400 N86-30319
    Visual capabilities related to fighter aircrew performance
                                                                  pilots exposed to high levels of acceleration
  in the F-14 and adversary aircraft
                                      p 400 N86-30320
                                                                    p 112 A86-24503
When should pilot discipline end and pilot savvy
 Hypobaric training of flight compromising quality of life
                                     personnel
                                                 without
                                       p 401 N86-30327
                                                                                                              A86-2989
    Attention tasks and their relation to aging and flight
                                                                                                       p 228
                                                                    The attitude and information components of the risk
                                                                  assessment-judgement process --- of aircraft pilots
                                       p 405 N86-30337
                                                                                                       p 229
                                                                                                              A86-20802
   Human factors research in aircrew performance and
                                                                    The role of the flight psychologist in the RNLAF in A/C
                                                                  accident investigation and prevention
 [AD-A167740]
                                      p 427 N86-32967
                                                                                                       p 233 A86-29926
   An experimental paradigm for team decision
                                                                    A case for realistic training --- of flight crews
                                      p 440 N86-33000
                                                                  [SAE PAPER 851915]
                                                                                                       p 264 A86-35445
    investigation of crew performance in a multi-vehicle
                                                                    Quantification of pilot fatigue - A new approach to a p 376 A86-40231
supervisory control task
FLIGHT FATIGUE
                                      p 440 N86-33001
                                                                  crucial problem
                                                                    Inflight loss of consciousness - A
                                                                                                      first look at the U.S.
   Physiological considerations for EVA in the Space
                                                               Navy experience
FLIGHT SIMULATION
                                                                                                       p 396 A86-44780
 [SAE PAPER 851313]
                                       p 111 A86-23504
                                                                    Human pilot parameter identification for a simulated r-to-ground target acquisition task p 18 A86-10157
   Helicopter crew evaluations on the effects of vibration
                                                                  air-to-ground target acquisition task
 on performance
                                       p 260 A86-33800
                                                                    Simulator sickness - Incidence of simulator aftereffects
    Quantification of pilot fatigue - A
                                      new approach to a
                                                                  in Navy flight trainers
                                                                                                        p 85 A86-19346
 crucial problem
                                      p 376
                                                                    Evaluation of pilot performance and aircrew protective
    A study of the flight environment component of aircrew
                                                                  devices in a simulated F-14 flat spin environment
  fatigue in student navigators
                                                                                                        p 86 A86-19351
 [AD-A1607961
                                       p 117 N86-18973
                                                                    The effects of aerial perspective on altitude estimation
    US Air Force combat psychiatry
                                                                                                       p 130 A86-23730
 [AD-A165011]
                                       p 292 N86-27921
                                                                    Comparison of voice types for helicopter voice warning
FLIGHT FITNESS
   Behavioral Airsickness Management program for
                                                                  [SAE PAPER 841611]
                                                                                                       p 147 A86-26030
 student pilots
                                                                    Evaluation of 16 measures of mental workload using a
 [AD-A161266]
                                        p 18 A86-10258
                                                                  simulated flight task emphasizing mediational activity
   Medical evaluation of cosmonauts - Assessment of
                                                                                                       p 179 A86-28864
 vestibular system
                                        p 11 A86-12429
                                                                    Sources of optical information and their metrics for
   Complete right branch blocking and the flight fitness
                                                                  detecting loss in altitude
                                                                                                       p 230 A86-29903
                                        p 31 A86-13567
                                                                    Eye-scan behavior in a flight simulation task as a function
   Ophthalmological problems linked to helicopter flight
                                                                  of level of training
                                                                                                       p 260 A86-33794
                                                                    level or training
Assessment of simulation fidelity using measurements
biloting technique in flight. II p 264 A86-35667
                                      p 112 A86-24504
   Recurrent serious otitis in a reconnaissance pilot - The
                                                                  of piloting technique in flight. If
                                      p 112 A86-24506
 consequences for his career
                                                                    The role of flight simulation in helicopter crew station
   A cold thyroid nodule - Statistical data and aeronautical
                                      p 112 A86-24507
                                                                  [SAE PAPER 851900]
                                                                                                       p 272 A86-36940
   Some psychological aspects of air sickness
                                                                  Relationships among aircrew performance measures for evaluating flight simulator training effectiveness
                                      p 131 A86-24508
   Gastric and duodenal ulcers and the flight fitness of
                                                                                                       p 381 A86-40479
                                      p 113 A86-24509
                                                                    Resolution and scene detail performance of the visual
   Mitral valve prolapse in a young person - An estimation
                                                                  system in flight simulation
                                                                                                       p 381 A86-40482
 of the risk of arrhythmia - The impact on the flight fitness
                                                                    The importance of stereoscopic imagery in flight
                                      p 113 A86-24510
                                                                                                       D 383 A86-40483
   Ischemic cardiopathology in pilots - The risk, the
                                                                   Importance of color displays in visual flight simulation
 methods of detection and prevention
                                                                                                      p 381 A86-40484
                                      p 113 A86-24511
                                                                   Simulated aerial combat maneuvering tolerance and
   Reliability of military pilots - Problems and prospects
                                                                 physical conditioning - Current status
```

p 227 A86-29884

p 396 A86-44097

FLIGHT SIMULATORS		SUBJECT INDEX
Visual information transfer. Part 1: Assessment of	FLIGHT TRAINING	The effects of Bis (tri-n-butyltin) oxide on three species
specific information needs. Part 2: Parameters of appropriate instrument scanning behavior	Psychological states of student pilots in flight training p 41 A86-13943	of marine phytoplankton
[NASA-CR-176277] p 21 N86-11850	Simulator sickness - Incidence of simulator aftereffects	[AD-A162115] p 212 N86-24188 Fiberoptics immunofluorescence spectroscopy for
Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870	in Navy flight trainers p 85 A86-19346	chemical and biological monitoring
USSR Space Life Sciences Diges: Index to Issues 1-4	Recurrent cockpit resource management training at United Airlines p 228 A86-29889	[DE86-002239] p 225 N86-24209 A preliminary study of flat-panel displays
[NASA-CR-3922(06)] p 248 N86-25971 A model and experimental analysis of pilot decision	Private pilot judgment training in flight school settings	p 236 N86-24546
making behavior for various automatic approach	<ul> <li>A demonstration project p 228 A86-29890</li> <li>Altitude estimation of pilot and non-pilot observers using</li> </ul>	Magnetic separation device [AD-D012163] p 249 N86-25975
conditions [NLR-TR-84037-U] p 292 N86-26835	real-world scenes p 230 A86-29905	FLUOROPOLYMERS
Distinctions in humoral control of metabolism with	Student pilot stress - An emotional barrier to efficient	Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when
simulation of spaceflight factors p 286 N86-27884 FLIGHT SIMULATORS	flight training p 231 A86-29912 A preliminary study - A multivariate analysis of attitudinal	heated p 175 N86-21131
Space motion sickness preflight adaptation training	characteristics of flight instructors p 232 A86-29914	FLUX DENSITY Inhalation toxicology. 5: Evaluation of relative toxicity
Preliminary studies with prototype trainers [IAF PAPER 85-311] p 35 A86-15822	Interactive computer-based flight training	to rats of thermal decomposition products from two aircraft
The effects of simulator and aircraft motion on eye scan	[SAE PAPER 851991] p 263 A86-35430 Visual display requirements for boom operator training	seat fire-blocking materials [AD-A165034] p 277 N86-27866
behavior p 128 A86-23709 The use of accident statistics to influence simulator	in aerial refueling p 383 A86-40486	Inhalation toxicology. Part 6: Evaluation of the relative
design p 144 A86-23744	A blitz of bends - Decompression sickness in four students after hypobaric chamber training	toxicity of thermal decomposition products from 9 aircraft panel materials
Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880	p 378 A86-41790	[AD-A168250] p 424 N86-32958
Simulated terrain following flight - Visual and radar terrain	The significance of recurrent childhood respiratory	FLY BY WIRE CONTROL  Pilot usage of decoupled flight path and pitch controls
correlation requirements p 231 A86-29906	disorders in flight training applicants p 395 A86-44095 Visual information transfer. Part 1: Assessment of	p 236 A86-29854
Canadian automated pilot selection system p 231 A86-29908	specific information needs. Part 2: Parameters of	Pilot interface with fly by wire control systems p 438 N86-32990
Test anxiety in the simulator environment	appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850	FLYING PERSONNEL
p 231 A86-29910 A control theory model of aviator behavior	Performance measurement guidelines for research	A study of functional asymmetry of paired organs in aircraft personnel p 10 A86-10750
p 232 A86-29913	[AD-A159055] p 71 N86-14891	Possible effect of hyperlipemia on the development and
Knowing what we get from training devices - Substituting a little arithmetic for a measure of emotion	Development of a computer-managed readiness assessment system	course of atherosclerosis in flight personnel
p 232 A86-29921	[AD-A162931] p 236 N86-24215	p 90 A86-22568 Normal or pathological coronary status - Reflections and
Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923	Changes in Naval Aviation Basic Instrument flight training: An analysis	practical experiences for expertise with flight personnel
Future directions for cost effective Air Force aircrew	[AD-A164738] p 291 N86-26830	p 282 A86-39774 Hygenic aspects of regular diet of flight personnel
training - Managed technology and the training system p 262 A86-33830	Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the	p 60 N86-14849
Visual cue dominance hierarchies - Implications for	next decade p 399 N86-30313	Inhalation toxicology. 5: Evaluation of relative toxicity
simulator design [SAE PAPER 851946] p 265 A86-36947	Human factors research in aircrew performance and training	to rats of thermal decomposition products from two aircraft seat fire-blocking materials
Simulators; Proceedings of the Conference, Norfolk, VA,	[AD-A167740] p 427 N86-32967	[AD-A165034] p 277 N86-27866
March 3-8, 1985 p 381 A86-40476 A comparison of postural equilibrium effects following	Multitask performance: Predicting success in Naval Aviation primary flight training	FOCUSING
exposure to different ground-based flight trainers	[AD-A168246] p 428 N86-32972	Enhanced detection in the aperture of focal attention during simple discrimination tasks p 403 A86-45955
p 418 A86-47754 Performance measurement guidelines for research	FLOTATION  Low temperature inflator apparatus	New glasses for presbyopic pilots
[AD-A159055] p 71 N86-14891	[AD-D011810] p 45 N86-12974	p 283 N86-26814 FOLDING STRUCTURES
Pilot interaction with automated airborne decision making systems	FLOW DISTRIBUTION Suit penetration study: Preliminary analysis of flow about	Design and production of damage-resistant tray pack containers
[NASA-CR-177002] p 385 N86-29508 FLIGHT STRESS	a circular cylinder	[AD-A164595] p 294 N86-26837
The scared pilot p 228 A86-29887	[DE86-005760] p 385 N86-28623 FLOW MEASUREMENT	FOLIAGE Foliage plants for indoor removal of the primary
FLIGHT STRESS (BIOLOGY) Effects of physiological and mental stress on crew	Measurement and prediction of flow through a replica	combustion gases carbon monoxide and nitrogen
members in relatively long flight by C-1 jet transport	segment of a mildly atherosclerotic coronary artery of man p 374 A86-43440	dioxide p 156 A86-29089 Nitrogen uptake and utilization by intact plants
aircraft p 161 A86-28100	FLOW REGULATORS	p 153 N86-19941
Systolic blood pressure in fighter pilots after 12-15 years service p 250 A86-33762	Performance comparison of thirty, two-stage demand regulators underwater breathing apparatus	FOOD USSR report: Life sciences. Biomedical and behavioral
Quantification of pilot fatigue - A new approach to a crucial problem p 376 A86-40231	[ARE(M6)-TM-83818] p 99 N86-17987	sciences
crucial problem p 376 A86-40231 Experimental and general theoretical research: Nature	FLOW RESISTANCE Estimating the small airways resistance from	[JPRS-UBB-86-001] p 109 N86-19828 FOOD INTAKE
of circulatory regulation in pilots p 285 N86-27880	measurements of the upstream resistance of several gas	1,25-dihydroxyvitamin D3 normalizes maternal food
Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881	mixtures p 162 A86-28448 FLOW VELOCITY	consumption and pup growth in rats p 52 A86-18400 Effect of immobilization stress on body weight in rats
FLIGHT SURGEONS	Headache at high altitude is not related to internal carotid	p 81 A86-22324
Clinical problems encountered by a squadron flight surgeon p 112 A86-24502	arterial blood velocity p 8 A86-10108 FLUID DYNAMICS	Early adaptation to altered gravitational environments in the squirrel monkey p 203 A86-30461
The flight surgeon and psychiatry - Interest and skills	Fluid dynamic study in a femoral artery branch casting	Tritium ingestion in rats p 58 N86-15895
p 131 A86-25654 Retrospective analysis of Naval Special Boards of Flight	of man with upstream main lumen curvature for steady flow p 397 A86-45254	FOOD PROCESSING Processing and packaging - Preparation techniques
Surgeons, 1974-83 p 251 A86-33763 US Air Force combat psychiatry	FLUID FILTERS	enhance meals on the Shuttle p 187 A86-29497
[AD-A165011] p 292 N86-27921	Development of U.S. Army reverse osmosis water purification equipment	Utilization of non-conventional systems for conversion of biomass to food components: Potential for utilization
FLIGHT TESTS	[AD-A165667] p 385 N86-28621	of algae in engineered foods
A review of pilot workload measurement techniques used on the A-10 single seat night attack test program	FLUID FLOW Standardization of carbon-phenolic composite test	[NASA-CR-176257] p 6 N86-11830 Potential for utilization of algal biomass for components
[SAE PAPER 841492] p 146 A86-26016 Test anxiety in the simulator environment	methodology p 243 N86-24527	of the diet in CELSS p 148 N86-19907
p 231 A86-29910	Suit penetration study: Preliminary analysis of flow about a circular cylinder	Plan for CELSS test bed project p 149 N86-19915 The development of an unconventional food
Methodology for integration testing of aircrew clothing and equipment	[DE86-005760] p 385 N86-28623	regeneration process: Quantifying the nutritional
[AD-A165328] p 295 N86-26842	FLUORESCENCE The role of reabsorption in the spectral distribution of	components of a model methylotrophic yeast p 151 N86-19928
Human factors research in aircrew performance and training	phytoplankton fluorescence emission p 50 A86-16924	Antibiotic properties of bifidobacteria
[AD-A167740] p 427 N86-32967	Fluorescent-polarization properties of chromophores of water-soluble proteins of normal and cataractal human	p 219 N86-23236 FOOD PRODUCTION (IN SPACE)
Flight test of a displacement sidearm controller	lens p 118 N86-19832	Determining a carbohydrate profile for Hansenula
p 439 N86-32992 A flight test method for pilot/aircraft analysis	Bimane derivatives as fluorescent probes for biological macromolecules	polymorpha p 82 A86-22710 Potential for utilization of algal biomass for components
p 442 N86-33011	[AD-A162725] p 160 N86-22088	of the diet in CELSS
FLIGHT TIME Comparison of the Air Force female and male pilot	Standardization of conditions for measuring intensity of specific fluorescence in continuous cell cultures infected	[SAE PAPER 851388] p 140 A86-23567
grounded time in the Air Force Military Airlift Command	with variants of Japanese encephalitis virus	Mass-balance model for a controlled ecological life support system on Mars
[AD-A158093] p 68 N86-15902	p 211 N86-23255	[AAS 84-184] p 186 A86-28810

Wheat farming in a lunar base		A86-30165
Plant growth responses to atm		
environmental variables in the Space Unit		Plant Growth A86-30415
FOREARM	p .00	7100 00413
Time course of muscular blood forearm rhythmic exercise in hypoxia	metabo	lites during
тоговити ттуптике вхегстве ит пуроха	р 252	A86-36222
Forearm skin and muscle vasocon		
body negative pressure	p 280	A86-39093
FORMALDEHYDE		
Acute pulmonary effects of forms humans	lidenyde	exposure in
[DE85-014728]	p 17	N86-11848
Energy yields in the prebiotic sy		
cyanide and formaldehyde	p 300	N86-26863
FORMS (PAPER) Weather and migraine	n 166	N86-21027
FORTRAN	p 100	1100-21027
Performance measurement guid		for research
[AD-A159055]	p 71	N86-14891
FOSSILS  Carbon isotope discrepancy bet	woon B	rocambrian
stromatolites and their modern analogous	xas - Infe	rences from
hypersaline microbial mats of the Sir	nai Coas	t
		A86-14119
Use of laboratory simulated pyr history of sedimentary organic matte	'Olysis ir	tracing the
mstory or sedimentally organic matte	p 304	N86-26884
Recent progress in Precambrian p		
	p 305	N86-26887
Microfossils in the Antarctic co		
implications for Mars  The fossil record of evolution: Ana		N86-26897
The lossifiecold of evolution. Ans		N86-26901
The fossil record of evolution: De		
and extinction	p 308	N86-26902
Geochemical anomalies, bolide in		
extinctions on the Earth FOURIER TRANSFORMATION	b 308	N86-26903
Analytical comparison of transie	nt and	steady state
visual evoked cortical potentials	p 436	N86-32978
Comparison of the STI NIPIP identification with the on-line Fourier	trackin	g dynamics
Renuncation with the on-line Fourier		
including a time varying case		
including a time varying case FOVEA	p 442	N86-33010
including a time varying case	p 442 nance	N86-33010
including a time varying case  FOVEA  Foveal flashes and human perform	p 442 nance p 284	N86-33010 N86-26822
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions	p 442 nance p 284 ated wi	N86-33010 N86-26822 th punctate
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION	p 442 nance p 284 ated wi p 284	N86-33010 N86-26822 th punctate N86-26823
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION  Carbon isotopic fractionation in he	p 442 nance p 284 ated wi p 284	N86-33010 N86-26822 th punctate N86-26823 hic microbial
including a time varying case FOVEA Foveal flashes and human perform Permanent visual change associ foveal lesions FRACTIONATION Carbon isotopic fractionation in he metabolism	p 442 nance p 284 ated wi p 284 sterotrop p 371	N86-33010 N86-26822 th punctate N86-26823 hic microbial A86-40669
including a time varying case FOVEA Foveal flashes and human perform Permanent visual change associ foveal lesions FRACTIONATION Carbon isotopic fractionation in he metabolism	p 442 nance p 284 ated wi p 284	N86-33010 N86-26822 th punctate N86-26823 hic microbial A86-40669
including a time varying case FOVEA FOVEA Foveal flashes and human perform Permanent visual change associ foveal lesions FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception [AD-A161836]	p 442 nance p 284 ated wi p 284 sterotrop p 371	N86-33010 N86-26822 th punctate N86-26823 hic microbial A86-40669
including a time varying case  FOVEA FOVEA Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception [AD-A161836]  FRACTURING	p 442 nance p 284 ated wi p 284 terotrop p 371 variable:	N86-26822 th punctate N86-26823 hic microbial A86-40669 a affecting
including a time varying case FOVEA FOVEA Foveal flashes and human perform Permanent visual change associ foveal lesions FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception [AD-A161836]	p 442 nance p 284 ated wi p 284 sterotrop p 371 variables p 223 callus for	N86-26822 th punctate N86-26823 hic microbial A86-40669 s affecting N86-24194
including a time varying case  FOVEA FOVEA Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception [AD-A161836]  FRACTURING Effects of non weight bearing on of  FRAGMENTATION	p 442 nance p 284 ated wi p 284 eterotrop p 371 variable p 223 callus for p 193	N86-26822 th punctate N86-26823 hic microbial A86-40669 s affecting N86-24194 mation A86-30394
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION  Carbon isotopic fractionation in he metabolism  Optical and event-duration self-motion perception [AD-A161836]  FRACTURING  Effects of non weight bearing on of  FRAGMENTATION  An examination of injury criteria for	p 442 nance p 284 ated wi p 284 eterotrop p 371 variable p 223 callus for p 193	N86-26822 th punctate N86-26823 hic microbial A86-40669 s affecting N86-24194 mation A86-30394
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION  Carbon isotopic fractionation in he metabolism  Optical and event-duration self-motion perception [AD-A161836]  FRACTURING  Effects of non weight bearing on of  FRAGMENTATION  An examination of injury criteria for to explosive safety studies	p 442 nance p 284 ated wi p 284 eterotrop p 371 variable p 223 callus for p 193	N86-26822 th punctate N86-26823 hic microbial A86-40669 s affecting N86-24194 rmation A86-30394 al application
including a time varying case  FOVEA FOVEA Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception [AD-A161836]  FRACTURING Effects of non weight bearing on of to explosive safety studies [AD-P004883]  FREE RADICALS	p 442 nance p 284 ated wi p 284 sterotrop p 371 variables p 223 callus for p 193 potentia	N86-26822 th punctate N86-26823 hic microbial A86-40669 s affecting N86-24194 rmation A86-30394 al application N86-20629
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION  Carbon isotopic fractionation in he metabolism  Optical and event-duration self-motion perception [AD-A161836]  FRACTURING  Effects of non weight bearing on of  FRAGMENTATION  An examination of injury criteria for to explosive safety studies [AD-P004883]  FREE RADICALS  Postradiation disorders of periphera	p 442 nance p 284 ated wi p 284 eterotrop p 371 variable: p 223 callus for p 193 r potentia p 163	N86-26822 th punctate N86-26823 hic microbial A86-40669 s affecting N86-24194 rmation A86-30394 al application N86-20629
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION  Carbon isotopic fractionation in he metabolism  Optical and event-duration self-motion perception [AD-A161836]  FRACTURING  Effects of non weight bearing on of  FRAGMENTATION  An examination of injury criteria for to explosive safety studies [AD-P004883]  FREE RADICALS  Postradiation disorders of periphera and the role of free-radical oxida	p 442 nance p 284 ated wi p 284 sterotrop p 371 variables p 223 callus for p 193 r potentic p 163 al-nerve tion pro	N86-26822 th punctate N86-26823 hic microbial A86-40669 s affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION  Carbon isotopic fractionation in he metabolism  Optical and event-duration self-motion perception (AD-A161836)  FRACTURING  Effects of non weight bearing on of  FRAGMENTATION  An examination of injury criteria for to explosive safety studies (AD-P004883)  FREE RADICALS  Postradiation disorders of periphera and the role of free-radical oxida appearance of these disorders  Structural correlates of aging in Dr	p 442 nance p 284 ated wi p 284 sterotrop p 371 variables p 223 callus for p 193 r potentia p 163 al-nerve tion pro p 101a	N86-26822 th punctate N86-26823 hic microbial A86-40689 a affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION  Carbon isotopic fractionation in he metabolism  Optical and event-duration self-motion perception [AD-A161836]  FRACTURING  Effects of non weight bearing on of  FRAGMENTATION  An examination of injury criteria for to explosive safety studies [AD-P004883]  FREE RADICALS  Postradiation disorders of periphera and the role of free-radical oxida appearance of these disorders  Structural correlates of aging in Dn to the cell differentiation, rate-of-liv	p 442 nance p 284 ated wi p 284 sterotrop p 371 variables p 223 callus for p 193 r potentia p 163 al-nerve tion pro p 101a	N86-26822 th punctate N86-26823 hic microbial A86-40689 a affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION  Carbon isotopic fractionation in he metabolism  Optical and event-duration self-motion perception [AD-A161836]  FRACTURING  Effects of non weight bearing on of to explosive safety studies [AD-P004883]  FREE RADICALS  Postradiation disorders of peripher and the role of free-radical oxida appearance of these disorders Structural correlates of aging in Dr to the cell differentiation, rate-of-liv theories of aging	p 442 nance p 284 ated wi p 284 sterotrop p 371 variables p 223 callus for p 193 r potentia p 163 al-nerve tion pro p 105 osophila ing and	N86-26822 th punctate N86-26823 hic microbial A86-40689 a affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION  Carbon isotopic fractionation in he metabolism  Optical and event-duration self-motion perception  [AD-A161836]  FRACTURING  Effects of non weight bearing on of the performance of the	p 442 nance p 284 ated wi p 284 sterotrop p 371 variables p 223 callus for p 193 r potentia p 163 al-nerve tion pro p 105 osophila ing and	N86-26822 th punctate N86-26823 hic microbial A86-40669 s affecting N86-24194 rmation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 - Relevance free radical
including a time varying case  FOVEA FOVEA Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception [AD-A161836]  FRACTURING Effects of non weight bearing on of the examination of injury criteria for to explosive safety studies [AD-P004883]  FREE RADICALS Postradiation disorders of periphera and the role of free-radical oxida appearance of these disorders Structural correlates of aging in Dr to the cell differentiation, rate-of-liv theories of aging FREEZING Freezing of living cells [DE85-016297]	p 442 nance p 284 ated wi p 284 to recovery p 371 variables p 223 callus for p 193 r potentia p 163 al-nerve tion pro p 105 osophila ing al15	N86-26822 th punctate N86-26823 hic microbial A86-40669 s affecting N86-24194 rmation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 - Relevance free radical
including a time varying case FOVEA FOVEA Foveal flashes and human perform Permanent visual change associ foveal lesions FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception (AD-A161836) FRACTURING Effects of non weight bearing on of FRAGMENTATION An examination of injury criteria for to explosive safety studies (AD-P004883) FREE RADICALS Postradiation disorders of periphera and the role of free-radical oxida appearance of these disorders Structural correlates of aging in Dr. to the cell differentiation, rate-of-liv theories of aging FREEZING Freezing of living cells [DE85-016297] FREQUENCY SYNTHESIZERS	p 442 nance p 284 ated wi p 284 sterotrop p 371 variable: p 223 callus for p 163 al-nerve tion pro p 165 osophila ing and p 415	N86-26822 th punctate N86-26823 hic microbial A86-40669 s affecting N86-24194 mation A86-30394 all application N86-20629 regeneration ducts in the A86-24422 - Relevance free radical A86-49999
including a time varying case FOVEA FOVEA Foveal flashes and human perform Permanent visual change associ foveal lesions FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception [AD-A161836] FRACTURING Effects of non weight bearing on of FRAGMENTATION An examination of injury criteria for to explosive safety studies [AD-P004883] FREE RADICALS Postradiation disorders of periphera and the role of free-radical oxida appearance of these disorders Structural correlates of aging in Dr to the cell differentiation, rate-of-liv theories of aging FREEZING Freezing of living cells [DE85-016297] FREQUENCY SYNTHESIZERS The Berkeley Serendip Project	p 442 nance p 284 ated wi p 284 sterotrop p 371 variable: p 223 callus for p 163 al-nerve tion pro p 165 osophila ing and p 415	N86-26822 th punctate N86-26823 hic microbial A86-40669 a affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 - Relevance free radical A86-49999
including a time varying case FOVEA FOVEA Foveal flashes and human perform Permanent visual change associ foveal lesions FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception (AD-A161836) FRACTURING Effects of non weight bearing on of FRAGMENTATION An examination of injury criteria for to explosive safety studies (AD-PO04883) FREE RADICALS Postradiation disorders of periphera and the role of free-radical oxida appearance of these disorders Structural correlates of aging in Dr to the cell differentiation, rate-of-liv theories of aging FREEZING Freezing of living cells [DE85-016297] FREQUENCY SYNTHESIZERS The Berkeley Serendip Project FRONTS (METEOROLOGY)	p 442 nance p 284 ated wi p 284 deterotrop p 371 variable: p 223 callus for p 193 r potentia p 163 al-nerve tion pro p 105 osophila ing and p 415 p 55 p 309	N86-26822 th punctate N86-26823 th punctate N86-26823 th curcrobial A86-40669 affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 - Relevance free radical A86-49999 N86-15862
including a time varying case FOVEA FOVEA Foveal flashes and human perform Permanent visual change associ foveal lesions FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception [AD-A161836] FRACTURING Effects of non weight bearing on of FRAGMENTATION An examination of injury criteria for to explosive safety studies [AD-P004883] FREE RADICALS Postradiation disorders of periphera and the role of free-radical oxida appearance of these disorders Structural correlates of aging in Dr. to the cell differentiation, rate-of-liv theories of aging FREEZING Freezing of living cells [De85-016297] FREQUENCY SYNTHESIZERS The Berkeley Serendip Project FRONTS (METEOROLOGY) Meteorotropic determinants of accidents	p 442 nance p 284 ated wi p 284 sterotrop p 371 variable: p 223 callus for p 163 al-nerve tion pro p 165 osophila ing and p 415 p 55 p 309 road or	N86-26822 th punctate N86-26823 th punctate N86-26823 th curcrobial A86-40669 affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 - Relevance free radical A86-49999 N86-15862
including a time varying case FOVEA FOVEA Foveal flashes and human perform Permanent visual change associ foveal lesions FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception (AD-A161836) FRACTURING Effects of non weight bearing on of FRAGMENTATION An examination of injury criteria for to explosive safety studies (AD-PO04883) FREE RADICALS Postradiation disorders of periphera and the role of free-radical oxida appearance of these disorders Structural correlates of aging in Dr. to the cell differentiation, rate-of-liv theories of aging FREEZING Freezing of living cells [DE85-016297] FREQUENCY SYNTHESIZERS The Berkeley Serendip Project FRONTS (METEOROLOGY) Meteorotropic determinants of accidents FROSTBITE	p 442 nance p 284 ated wi p 284 deterotrop p 371 variable: p 223 callus for p 193 r potentia p 163 call-nerve tion pro p 105 osophila ing and p 415 p 55 p 309 road c p 165	N86-26822 th punctate N86-26823 th punctate N86-26823 hic microbial A86-40669 affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 - Relevance free radical A86-49999 N86-15862 N86-26906 ollisions and N86-21022
including a time varying case FOVEA FOVEA Foveal flashes and human perform Permanent visual change associ foveal lesions FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception [AD-A161836] FRACTURING Effects of non weight bearing on of FRAGMENTATION An examination of injury criteria for to explosive safety studies [AD-P004883] FREE RADICALS Postradiation disorders of periphera and the role of free-radical oxida appearance of these disorders Structural correlates of aging in Dr. to the cell differentiation, rate-of-liv theories of aging FREEZING Freezing of living cells [De85-016297] FREQUENCY SYNTHESIZERS The Berkeley Serendip Project FRONTS (METEOROLOGY) Meteorotropic determinants of accidents	p 442 nance p 284 ated wi p 284 deterotrop p 371 variable: p 223 callus for p 193 r potentia p 163 call-nerve tion pro p 105 osophila ing and p 415 p 55 p 309 road c p 165	N86-26822 th punctate N86-26823 th punctate N86-26823 hic microbial A86-40669 affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 - Relevance free radical A86-49999 N86-15862 N86-26906 ollisions and N86-21022
including a time varying case  FOVEA FOVEA Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception (AD-A161836) FRACTURING Effects of non weight bearing on of FRAGMENTATION An examination of injury criteria for to explosive safety studies (AD-P004883) FREE RADICALS Postradiation disorders of periphera and the role of free-radical oxida appearance of these disorders Structural correlates of aging in Dr to the cell differentiation, rate-of-liv theories of aging FREZING Freezing of living cells [DE85-016297] FREQUENCY SYNTHESIZERS The Berkeley Serendip Project FRONTS (METEOROLOGY) Meteorotropic determinants of accidents FROSTBITE Platelet-endothelial function in relat temperature [AD-A160744]	p 442 nance p 284 ated wi p 284 beterotrop p 371 variables p 223 callus for p 193 callus for p 193 callus for p 193 callus for p 195 p 55 p 309 road c p 165 tion to en	N86-26822 th punctate N86-26823 th punctate N86-26823 hic microbial A86-40669 affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 - Relevance free radical A86-49999 N86-15862 N86-26906 ollisions and N86-21022
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION  Carbon isotopic fractionation in he metabolism  Optical and event-duration self-motion perception (AD-A161836)  FRACTURING  Effects of non weight bearing on of the self-motion perception (AD-A161836)  FRACTURING  Effects of non weight bearing on of the self-motion of injury criteria for to explosive safety studies (AD-P004883)  FREE RADICALS  Postradiation disorders of peripheral and the role of free-radical oxide appearance of these disorders Structural correlates of aging in Dr. to the cell differentiation, rate-of-live theories of aging  FREEZING  Freezing of living cells [DE85-016297]  FREQUENCY SYNTHESIZERS  The Berkeley Serendip Project  FRONTS (METEOROLOGY)  Meteorotropic determinants of accidents  FROSTBITE  Platelet-endothelial function in relatemperature  [AD-A160744]  FUEL CONTAMINATION	p 442 nance p 284 ated wi p 284 sterotrop p 371 variable: p 223 callus for p 193 r potentia p 163 al-nerve tion pro p 105 p 905 p 309 road c p 165 tion to ee	N86-26321 th punctate N86-26823 hic microbial A86-40669 a affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 Relevance free radical A86-46999 N86-15862 N86-26906 collisions and N86-21022 myironmental N86-18970
including a time varying case  FOVEA FOVEA Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception (AD-A161836) FRACTURING Effects of non weight bearing on of FRAGMENTATION An examination of injury criteria for to explosive safety studies (AD-P004883) FREE RADICALS Postradiation disorders of periphera and the role of free-radical oxida appearance of these disorders Structural correlates of aging in Dr to the cell differentiation, rate-of-liv theories of aging FREZING Freezing of living cells [DE85-016297] FREQUENCY SYNTHESIZERS The Berkeley Serendip Project FRONTS (METEOROLOGY) Meteorotropic determinants of accidents FROSTBITE Platelet-endothelial function in relat temperature [AD-A160744]	p 442 nance p 284 ated wi p 284 sterotrop p 371 variable: p 223 callus for p 193 r potentia p 163 al-nerve tion pro p 105 p 905 p 309 road c p 165 tion to ee	N86-26321 th punctate N86-26823 hic microbial A86-40669 a affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 Relevance free radical A86-46999 N86-15862 N86-26906 collisions and N86-21022 myironmental N86-18970
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION  Carbon isotopic fractionation in he metabolism  Optical and event-duration self-motion perception (AD-A161836)  FRACTURING  Effects of non weight bearing on of the self-motion perception (AD-A161836)  FRACTURING  Effects of non weight bearing on of the self-motion of injury criteria for to explosive safety studies (AD-P004883)  FREE RADICALS  Postradiation disorders of periphera and the role of free-radical oxide appearance of these disorders  Structural correlates of aging in Dr. to the cell differentiation, rate-of-live theories of aging  FREEZING  Freezing of living cells  [DE85-016297]  FREQUENCY SYNTHESIZERS  The Berkeley Serendip Project  FRONTS (METEOROLOGY)  Meteorotropic determinants of accidents  FROSTBITE  Platelet-endothelial function in relatemperature  [AD-A160744]  FUEL CONTAMINATION  The evaluation of copper compounciocides  [AMTE(M)-84520]	p 442 nance p 284 ated wi p 284 terotropp p 371 variable: p 223 callus for p 193 r potentia p 163 al-nerve tion pro p 105 cosophila ing and p 415  p 55 p 309 road cr p 165 tion to er p 116 nds as r	N86-26321 th punctate N86-26823 hic microbial A86-40669 a affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 Relevance free radical A86-46999 N86-15862 N86-26906 collisions and N86-21022 myironmental N86-18970
including a time varying case FOVEA FOVEA FOVEA FOVEA Hashes and human perform Permanent visual change associ foveal lesions FRACTIONATION Carbon isotopic fractionation in he metabolism Optical and event-duration self-motion perception (AD-A161836) FRACTURING Effects of non weight bearing on of FRAGMENTATION An examination of injury criteria for to explosive safety studies (AD-P004883) FREE RADICALS Postradiation disorders of periphera and the role of free-radical oxida appearance of these disorders Structural correlates of aging in Dr to the cell differentiation, rate-of-liv theories of aging FREEZING Freezing of living cells [De85-016297] FREQUENCY SYNTHESIZERS The Berkeley Serendip Project FRONTS (METEOROLOGY) Meteorotropic determinants of accidents FROSTBITE Platelet-endothelial function in relat temperature [AD-A160744] FUEL CONTAMINATION The evaluation of copper compoul bicocides [AMTE(M)-84520] FUNCTIONAL DESIGN SPECIFICATION	p 442 nance p 284 ated wi p 284 to p 284 representation p 371 p 223 callus for p 193 callus for p 195 p 323 callus for p 193	N86-26822 th punctate N86-26823 the M86-26823 hic microbial A86-40669 a affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 - Relevance Free vance Free vance A86-26906 ollisions and N86-21022 nvironmental N86-18970 cotential fuel N86-17974
including a time varying case  FOVEA  Foveal flashes and human perform  Permanent visual change associ foveal lesions  FRACTIONATION  Carbon isotopic fractionation in he metabolism  Optical and event-duration self-motion perception (AD-A161836)  FRACTURING  Effects of non weight bearing on of the self-motion perception (AD-A161836)  FRACTURING  Effects of non weight bearing on of the self-motion of injury criteria for to explosive safety studies (AD-P004883)  FREE RADICALS  Postradiation disorders of periphera and the role of free-radical oxide appearance of these disorders  Structural correlates of aging in Dr. to the cell differentiation, rate-of-live theories of aging  FREEZING  Freezing of living cells  [DE85-016297]  FREQUENCY SYNTHESIZERS  The Berkeley Serendip Project  FRONTS (METEOROLOGY)  Meteorotropic determinants of accidents  FROSTBITE  Platelet-endothelial function in relatemperature  [AD-A160744]  FUEL CONTAMINATION  The evaluation of copper compounciocides  [AMTE(M)-84520]	p 442 nance p 284 ated wi p 284 to p 284 representation p 371 p 223 callus for p 193 callus for p 195 p 323 callus for p 193	N86-26822 th punctate N86-26823 the M86-26823 hic microbial A86-40669 a affecting N86-24194 mation A86-30394 al application N86-20629 regeneration ducts in the A86-24422 - Relevance Free vance Free vance A86-26906 ollisions and N86-21022 nvironmental N86-18970 cotential fuel N86-17974

Description of concept and first feasibility test results

p 149 N86-19912

of a life support subsystem of the Botany Facility based

**FUNGI** 

on water reclamation

```
system
GANGLIA
```

```
FUNGICIDES
    The evaluation of copper compounds as potential fuel
  [AMTE(M)-84520]
                                       p 84 N86-17974
FURNACES
    Inhalation toxicology. 5: Evaluation of relative toxicity
  to rats of thermal decomposition products from two aircraft
  seat fire-blocking materials
  [AD-A165034]
                                      p 277 N86-27866
                          G
GALACTIC COSMIC RAYS
    On the biological hazard of galactic antinuclei
                                     p 378 A86-43437
GALACTIC NUCLEI
    Diatoms on earth, comets, Europa and in interstellar
                                     p 410 A86-44354
GALILEO SPACECRAFT
    Light-Weight Radioisotope Heater Unit Safety Analysis
  Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document
  [DE86-001457]
                                     p 172 N86-21113
GALVANIC SKIN RESPONSE
    Estimate of emotional stress during working activity
  based on systems analysis of skin-galvanic reaction
                                     p 220 N86-23259
    An analysis of potential predictive parameters of motion
  sickness using a computerized biophysical data acquisition
  FAD-A1640991
                                     p 257 N86-25981
GAMMA RAYS
    Interactive scenario computer model for dose rates to
  aircrews in flight through nuclear debris clouds
    AD-A158741] p 40 N86-13888
Bacterial inactivation by means of ionizing radiation
  [AD-A158741]
  [DE86-901038]
                                     p 412 N86-30348
    is the cerebellum involved in motor and perceptual
 timing: A case study [AD-A157452]
                                      p 16 N86-11842
    Mechanism of electromagnetic energy effects on the
  nervous system: Voltage-clamp study
                                     p 282 N86-26798
GAS ANALYSIS
    Infrared optical measurement
                                      of blood gas
  concentrations and fiber optic catheter
  [AD-D0118361
                                      p 37 N86-12955
GAS CHROMATOGRAPHY
    Gas chromatographic analysis of free fatty acids of skin
  surface lipids
                                      p 67
                  of the method
    Investigation
                                              determine
  carboxyhaemoglobin in blood
  [AD-A1610611
                                      p 127 N86-19892
    A gas chromatograph experiment for a Titan entry robe p 299 N86-26856
    Investigation of porous polymer gas chromatographic
  packings for atmospheric analysis of extraterrestrial
    odies p 299 N86-26858
multiplex gas chromatography: A novel analytical
  technique for future planetary studies
                                     p 299 N86-26860
GAS COMPOSITION
    Pulmonary function in microgravity - Spacelab 4 and
 beyond
[IAF PAPER 85-322]
                                       p 36 A86-15828
GAS EXCHANGE
    Pulmonary gas exchange in humans during exercise at
  sea level
                                     p 281
    A fundamental problem in determining functional
  residual capacity or residual volume --- of lungs
                                     p 281 A86-39099
    How well mixed is inert gas in tissues?
                                     p 391 A86-44197
    Pulmonary gas exchange in humans exercising at sea
  level and simulated altitude
                                     D 419 A86-47874
    Respiratory function in inhabitants of northeastern
                                     p 119 N86-19845
    Observations on gas exchange and element recycle
  within a gas-closed algal-mouse system
                                     p 150 N86-19924
    Advantages of the gas exchange approach to
  microbiological studies
  [AD-A166887]
                                     p 393 N86-31207
    Gas exchange characteristics of leaves as indicators
  of the basic limitations to the rate of photosynthesis
  [DE86-0096321
                                     p 416 N86-32085
    Guard cell biochemistry: Response to environmental
```

stimuli causing changes in gas exchange

Low temperature inflator apparatus

p 416 N86-32086

p 45 N86-12974

[DE86-010287]

**GAS GENERATORS** 

[AD-D011810]

```
GAS MIXTURES
  Decompression outcome following saturation dives with multiple inert gases in rats
  [AD-A163720]
                                      p 28 A86-16054
   Effect of hyperoxic gas mixtures on oxygen mass transfer
  through the hematoparenchymatous barrie
                                    p 103 A86-23492
   Estimating the small airways
                                     resistance from
  measurements of the upstream resistance of several gas
  mixtures
                                    p 162 A86-28448
   Evaluation of the use of hydrogen-oxygen as a breathing
  gas in deep-sea diving
  AD-A1657971
                                     p 380 N86-29499
GAS PRESSURE
    A small oxygen concentrator
  [AD-A163145]
                                     p 273 N86-25993
GAS RECOVERY
   CELSS experiment model and design concept of gas
  recycle system
  [SAE PAPER 851393]
                                     p 141 A86-23570
GAS SPECTROSCOPY
   New physical methods for biological aerosol detection
 [AD-A158218]
                                      p 29 N86-13881
GAS TRANSPORT
   Role of hemoglobin P50 in O2 transport during normoxic
  and hypoxic exercise in the dog
                                       p 1 A86-10103
   Effects of hemodilution on O2 transport in high-altitude
  polycythemia
                                      p 37 A86-16053
   Mechanical resistance of erythrocytes and oxygen mass
  transport in hypoxic states due to different conditions
                                      p 88 A86-21452
   The effect of prolonged physical work at the levels of
  submaximal and extreme intensity upon the mass transfer
  and utilization of oxygen
                                      p 89 A86-22536
   Calculation method for determining energy expenditures
  for operators
                                     p 90 A86-22567
   Resistance, exchange and capacitance functions of
  skeletal muscle vessels in the presence of acute hypoxic
                                      p.81 A86-22593
    Effect of hyperoxic gas mixtures on oxygen mass transfer
  through the hematoparenchymatous barrier
                                    p 103 A86-23492
   Blood transport of oxygen (The role of erythrocytes)
                                     p 208 A86-33073
    A model of inhaled gas and vapor transport in the human
 lung
[AD-A160829]
                                     p 117 N86-18976
   Resistance, exchange, and capacitance functions of
  skeletal muscle vessels in acute hypoxic hypoxia
                                     p 379 N86-28611
GAS TURBINE ENGINES
   User interface description of a gas turbine control
  [ASME PAPER 86-GT-2961
                                     p 433 A86-48309
   Drugs and surfactants used to prevent caisson disease
    Transport of arterial blood gates through human skin
                                      p 91 N86-16887
   CELSS experiment model and design concept of gas except system p 148 N86-19909
  recycle system
   Gas and water recycling system for IOC vivarium
                                     p 150 N86-19920
  experiments
    A preliminary study of flat-panel displays
                                     p 236 N86-24546
   Direct spectrophotometric method of assaying ammonia
  concentration in gas environment of seeding chambers
                                     p 280 N86-27900
GASTROINTESTINAL SYSTEM
    Tachygastria and motion sickness
                                      p 32 A86-14315
    Hypokinezia and space flight reflected on
  stomach
                                     p 200 A86-30442
   Review of duodenal and gastric ulcer
                                     p 117 N86-18977
  [AD-A1609191
    Vection-induced gastric dysrhythmias and motion
  sickness
  [NASA-CR-176620]
                                     p 176 N86-22095
    Acute oral toxicity (LD50) of guanidine hydrochloride in
  rats
 [AD-A165747]
                                     p 376 N86-28608
GENERAL AVIATION AIRCRAFT
   The training and certification of the general aviation
  [SAE PAPER 841468]
                                     p 132 A86-26013
GENETIC CODE
   A multivariate study of the relationship between the
  genetic code and the physical-chemical properties of
                                     p 104 A86-23997
  amino acids
      change in the genetic code in Mycoplasma
  capricolum
                                    p 105 A86-24000
   Rationalization of some
                                  genetic anticodonic
p 189 A86-28723
   Conservation of the secondary structure of protein during
  evolution and the role of the genetic code
                                     p 372 A86-41047
```

GENETIC ENGINEERING SUBJECT INDEX

Intramolecular interactions in aminoacyl nucleotides: Geochemical anomalies, bolide impacts and biological Altitude acclimatization attentuates plasma ammonia Implications regarding the origin of genetic coding and extinctions on the Earth p 308 N86-26903 during submaximal exercise p 302 N86-26873 AD-A168630] protein synthesis GEOGRAPHY p 425 N86-32962 A comparative study of prebiotic and present day The effects of color-coding in geosit displays. 1: Color **GLUTAMATES** p 303 N86-26877 translational models a redundant code Response of rat hindlimb muscles to 12 hours recovery **GENETIC ENGINEERING** from tail-cast suspension [AD-A161107] p 181 N86-22108 p 198 A86-30426 Biotechnology regulation Chemically induced damage to the hippocampal The effects of color-coding in GEOSIT (geographical o.3 N86-10733 [GPO-43-778] situational) displays. 2: Redundant versus non-redundant Somatic cell and molecular genetics approach to DNA [NDRE/PUBL-86/1002] p 255 N86-25112 repair and mutagenesis p 405 N86-30334 Multidisciplinary studies on excitatory amino acids as [AD-A166263] [DE85-0141811 p 4 N86-10737 transmitters in the brain **GEOLOGY** HLA-D: The T cell perspective AD-A1642581 p 256 N86-25115 The fossil record of evolution: Analysis of extinction [AD-A160019] AD-A160019] p 84 N86-17976 Clonal analysis of HLA-DR and -dQ associated GLUTAMINE p 308 N86-26901 Response of rat hindlimb muscles to 12 hours recovery GEOMAGNETISM determinants: Their contribution to dw specificities from tail-cast suspension p 198 A86-30426 The dependence of thromboelastographic indices in AD-A160059] p 84 N86-17977 Sequence polymorphism of HLA-DR beta 1 alleles [AD-A160059] Vaccine Proteins R and D on Salyut-7 healthy subjects on geomagnetic-field conditions p 220 N86-23256 p 90 A86-22545 relating to T cell-recognized determinants GLUTATHIONE p 107 N86-18956 The rhythms of paramagnetic-center concentration in [AD-A160237] Effect of intensive visible light on activity of glutathione mouse liver and a mathematical model of synchronized autooscillations p 247 A86-36497 Production of gene bank from cotton plant chloroplast DNA foi HC/MF p 210 N86-23228 peroxidase in pigmented epithelium of eye p 210 N86-23226 Effect of plasmids on virulence of pseudomonas **GEOMETRIC ACCURACY** Comparative biochemistry and metabolism. Part 2: The metric of visual space p 234 A86-32072 aeruginosa strains in mouse experiments Naphthalene lung toxicity p 210 N86-23237 Virtual space and 2-dimensional effects in perspective [AD-A163144] p 257 N86-25983 Cloning and expression of leptospira pomona hemolysin ene in escherichia coli p 211 N86-23249
Cloning and analysis of genes for anthrax toxin p 441 N86-33005 displays Evolution of thiol protective systems in prokaryotes gene in escherichia coli GEOMETRY p 307 N86-26896 A comparative study of prebiotic and present day GLYCINE components translational models p 303 N86-26877 Radiation chemistry of an aqueous solution of glycine [AD-A161901] p 212 N86-24186 Compounds of interest to chemical evolution studie USSR report: Life sciences. Biomedical and behavioral Carbon exchange between the mantle and the crust and its effect upon the atmosphere: Today compared to p 23 A86-12003 A search for interstellar glycine p 274 A86-33668 [JPRS-UBB-86-009] p 376 N86-28610 p 304 N86-26882 GLYCOGENS Biotechnology: The US Department of Agriculture's Increased gluconeogenesis in rats exposed to hyper-G GEOTROPISM biotechnology research efforts Investigations of the effects of gravity on Paramecium [GAO/RCED-86-39BR] p 376 N86-29494 Determining a carbohydrate profile for Hansenula caudatum structure and behavior GENETICS polymorpha [DFVLR-FB-85-40] p 82 A86-22710 p 56 N86-15863 Biological parameters in Japanese quail genetically Increased gluconeogenesis in rats exposed to hyper-G Influence of gravity on structure and behavior of selected for resistance or sensitivity to an acute hypoxic p 103 A86-23311 stress Paramecium caudatum survival p 2 A86-10256 Possible mechanism for changes in glycogen [ESA-TT-963] An intron in the 23S ribosomal RNA gene of the p 416 N86-32087 metabolism in unloaded soleus muscle GERMINATION archaebacterium Desulfurococcus mobilis p 198 A86-30427 Modification of cytogenetic and physiological effects of p 80 A86-21588 Muscle protein and glycogen responses to recovery from Molecular archaeology of the mitochondrial genome space flight factors by biologically active compounds hypogravity and unloading by tail-cast suspension p 104 A86-23996
Sequence of the 16S rRNA gene from the termoacidonbilio activities [NASA-TM-87987] p 386 N86-28624 p 202 A86-30457 **GERONTOLOGY** Application of photosynthetic N2-fixing cyanobacteria to thermoacidophilic archaebacterium Sulfolobus solfataricus geroprotective activity of 2,6-dimethyl the CELSS program e CELSS program p 151 N86-19929 Collagen, lipid and glycogen content of rat skeletal p 104 A86-23998 3,5-diethoxycarbonyl 1,4-dihydropyridine and its evolutionary implications p 49 A86-16783 Sequence divergence of an archaebacterial gene cloned muscles in recovery period after 15-15- and 30-day p 279 N86-27886 from a mesophilic and a thermophilic methanogen The effect of high energy (HZE) particle radiation (Ar-40) hypokinesia p 104 A86-23999 on aging parameters of mouse hippocampus and retina Somatic cell and molecular genetics approach to DNA p 50 A86-17679 Metabolic distinctions of human red blood during repair and mutagenesis p 60 N86-14850 Structural correlates of aging in Drosophila - Relevance long-term spaceflights [DE85-014181] p 4 N86-10737 to the cell differentiation, rate-of-living and free radical **GLYCOLYSIS** Positive genetic hazard predictions from short-term tests The distinctive features of the energetic metabolism, theories of aging p 415 A86-49999 have proved false for results in mammalian spermatogonia **GLASS** glycolysis, and tissue respiration of the myocardium in rats with all environmental chemicals so far tested having high and low resistance to hypoxia In vitro comparison of zinc phosphate and glass [DE85-013640] p 6 N86-11833 p 80 A86-21455 ionomers ability to inhibit decalcification under and Skeletal muscle lactate release and glycolytic stermediates during hypercapnia p 155 A86-28124 HLA-D: The T cell perspective adjacent to orthodontic bands [AD-A160019] p 84 N86-17976 [AD-A160881] p 127 N86-19889 intermediates during hypercapnia Clonal analysis of HLA-DR and -dQ associated Changes in glycolytic intermediates in rat erythrocytes GLIDING determinants: Their contribution to dw specificities Molecular and biological properties of an during exposure to simulated high altitude [AD-A1600591 p 84 N86-17977 p 156 A86-29097 immunopotentiating complex polysaccharide adjuvant Molecular approaches to selective immunization Models of glycolysis: Glyceraldehyde as a source of produced by a gliding bacterium [AD-A1601411 p 107 N86-18954 AD-A162664] energy and monomers for prebiotic condensation p 160 N86-22086 DNA and protein studies of HLA class 2 molecules: Their GLOBULINS reactions p 302 N86-26876 relationship to T cell recognition Small X-ray diffraction of immunoglobulin-membrane GOGGLES [AD-A160704] p 116 N86-18968 complexes Mild hypoxia and visual performance with night vision Review of duodenal and gastric ulcer [AD-A158252] goggles p 29 N86-13882 p 249 A86-33755 p 117 N86-18977 [AD-A160919] Compendium of protective eyewear Fab-fragment of heterologic immunoglobulin for flu CELSS science needs p 151 N86-19925 p 273 N86-25126 prophylaxis and treatment p 219 N86-23241 [PB86-135779] Annual report and summaries of FY 1985 activities GLOVES Operational experiences with night vision goggles in supported by the Division of Biological Energy Research Enhancement of space suit glove performance helicopter low-level flight at night p 293 N86-26805 [DE85-009132] p 209 N86-23220 [SAE PAPER 851335] p 138 A86-23524 Visual and spectroradiometric performance criteria for USSR report: Life sciences. Biomedical and behavioral Advanced spacesuit glove design Night Vision Goggles (NVG) compatible aircraft interior [AAS 84-175] p 186 A86-28801 p 294 N86-26807 [JPRS-UBB-86-002] p 209 N86-23222 EVA suit glove design p 383 A86-40521 GOLD COATINGS Investigations with methanobacteria and with evolution the genetic code p 306 N86-26890 The WPI space glove design project Abrasion-resistant aluminized-coated aramid fabrics for of the genetic code p 383 A86-40522 manufacture of firefighters' protective clothing Effect of increased body clothing insulation on hand USSR report: Life sciences. Biomedical and behavioral [AD-A157056] p 75 N86-14901 temperature in a cold environment **GRAPH THEORY** [JPRS-UBB-86-008] p 278 N86-27869 p 22 N86-10786 The prediction of biological activity using molecular The effect of cold training and the wearing of gloves A theoretical concept for state changes and shape connectivity indices on manual performance in the cold: A comparison of pure changes in weightlessness p 387 N86-29516 [AD-A166986] p 394 N86-31208 ability and operational tasks **GEOCENTRIC COORDINATES** GRAPHIC ARTS [AD-A163893] p 273 N86-25124 Investigation of factors determining pilot's geocentric A graphic anthropometric aid for seating and workplace GLUCOSE orientation p 72 N86-15868 Increased gluconeogenesis in rats exposed to hyper-G GEOCHEMISTRY [AD-A156988] p 23 N86-10788 ress p 103 A86-23311
Remarkable metabolic availability of oral glucose during Carbon exchange between the mantle and the crust GRATINGS and its effect upon the atmosphere: Today compared to The effects of the contrast, spatial frequency and long-duration exercise in humans p 216 A86-30684 Archean time p 304 N86-26882 Determination of the lumped constant and the kinetic temporal frequency of a surrounding field upon the

constants for deoxyglucose and fluorodeoxyglucose in

Enzyme cofactor modified electrodes

p 118 N86-18978

p 375 N86-28607

[DE86-000317]

[AD-A165604]

detection thresholds of gratings

Gravity sensing in animal cells

Vertebrate gravity sensors as dynamic systems

GRAVIRECEPTORS

p 132 A86-26293

p 192 A86-30389

p 193 A86-30391

Earth's early atmosphere as seen from carbon and

The fossil record of evolution: Analysis of extinction

p 304 N86-26883

p 308 N86-26901

nitrogen isotopic analysis of Archean sediments

The structure and development of the starch sheath in pea epicotyls D 196 A86-30414 Morphological evidence of mechanoreceptive gravity perception in a water flea - Daphnia magna p 199 A86-30435 Morphology and development of the inner ear of Anurans p 389 N86-29529 NASA Workshop on Animal Gravity-Sensing Systems N86-29529 [NASA-TM-88249] p 417 N86-32950 GRAVITATION Soft contact lens wear during +G(Z) acceleration [AD-A165013] p 289 N86-27915 GRAVITATIONAL EFFECTS Permanent distortion of positional system of Xenopus embryo by brief early perturbation in gravity The effective intensity of Coriolis, cross-coupling stimulation is gravitoinertial force dependent - Implications for space motion sickness p 163 A86-29093 Comparative analysis of hypo - and hyper-gravity effects on prenatal development of mammals p 191 A86-30377 Effects of gravitational and muscular loading on bone formation in growing rats p 194 A86-30396
Response of amphibian egg non-yolk cytoplasm to p 194 A86-30396 gravity orientation p 195 A86-30407 Gravistimulation-induced changes in current patterns around root caps p 196 A86-30411 Respiratory diseases - Aeromedical aspects including disposal p 252 A86-35291 Investigations of the effects of gravity on Paramecium caudatum structure and behavior [DFVLR-FB-85-40] p 56 N86-15863 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Exobiology experiment concepts for space station p 310 N86-27152 Soft contact lens wear during +G(Z) acceleration FAD-A1650131 p 289 N86-27915 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p.380 NR6-29498 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] 0.387 N86-29514 A theoretical concept for state changes and shape changes in weightleseness p 387 N86-29516 Some remarks on gravitational biology p 387 N86-29517 The origin of the spicule skeleton of fresh water sponges p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) p 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29522 A learning model as a basis for investigations of the effects of gravity on the learning processes and memory formulation p 389 N86-29525 Morphology and development of the inner ear of p 389 N86-29529 The temporal response of bone to unloading [NASA-TM-89228] p 397 N86-30303 Medical Selection and Physiological Training of Future Fighter Aircrew [AGARD-CP-396] p 398 N86-30309 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Effects of simulated weightless ness on meiosis. Fertilization, and early development in mice [NASA-CR-177106] p 410 N86-30342 Influence of gravity on structure and behavior of Paramecium caudatum [ESA-TT-963] p 416 N86-32087 NASA Workshop on Animal Gravity-Sensing Systems [NASA-TM-88249] p 417 N86-32950 GRAVITATIONAL PHYSIOLOGY Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance Hemodynamic effects of anti-G suit inflation in a 1-G p 22 A86-12379 Positive pressure respiration, a means of protecting against +Gz accelerations - A theoretical approach p 31 A86-13568 Psychomotor performance after forward-facing impact

loading

p 32 A86-14310

Effects of suspension hypokinesia/hypodynamia on rat The structure and development of the starch sheath in skeletal muscle n 26 A86-14313 pea epicotyls Space motion sickness preflight adaptation training Preliminary studies with prototype trainers [IAF PAPER 85-311] n 35 A86-15822 The human cardiovascular system in the absence of [IAF PAPER 85-315] n 35 A86-15825 Spacelab life sciences flight experiments - An integrated approach to the study of cardiovascular deconditioning and orthostatic hypotension [IAF PAPER 85-316] p 36 A86-15826 Quantitative evaluation of human arterial baroreceptor reflexes [IAF PAPER 85-317] p 36 A86-15827 Red blood cell decreases of microgravity [IAF PAPER 85-324] p 36 Increased gluconeogenesis in rats exposed to hyper-G p 52 A86-18397 The effects of +Gz on the coronary circulation - A D.86 A86-20401 Increased gluconeogenesis in rats exposed to hyper-G p 103 A86-23311 Mathematical models of the effect of gravitation on lung functions -- Russian book p 111 A86-24135 Proteinuria in fighter pilots after high +Gz exposure p 113 A86-25653 The effects of circuit weight training and G experience on +Gz tolerance n +Gz tolerance p 161 A86-28098
The effective intensity of Coriolis, cross-coupling stimulation is gravitoinertial force dependent - Implications for space motion sickness p 163 A86-29093 Effect of weightlessness on the development of neurosecretory structures of hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169 gravity - A theoretical study
International Union of Physiological Sciences,
Commission on Gravitational, Physiology, Annual Meeting, Sciences. 7th, Niagara Falls, NY, October 13-18, Proceedings p 191 A86-30376 Comparative analysis of hypo - and hyper-gravity effects suspension on prenatal development of mammals p 191 A86-30377 Spaceflight and calcium metabolism p 192 A86-30378 Skeletal mass change as a function of gravitational pading p 192 A86-30380 Effects of gravity on the fluid balance and distribution p 214 A86-30383 Volume regulating hormones p 214 A86-30384 Fluid and electrolyte control in simulated and actual p 214 A86-30385 Mechanisms for negative water balance reightlessness Immersion or bed rest? from SL-3 rats p 214 A86-30386 Cardiorespiratory responses to lower body negative spaceflight pressure and tilt tests after exposure to simulated weightlessness p 215 Investigations of higher plants under weightlessness p 192 A86-30388 p 192 A86-30389 Gravity sensing in animal cells The effects of real and simulated microgravity on estibulo-oculomotor interaction p 193 A86-30390 Plasma vestibulo-oculomotor interaction Vertebrate gravity sensors as dynamic systems p 193 A86-30391 Chronic acceleration and egg production in domestic p 193 A86-30392 Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae p 193 A86-30395 chances Effects of gravitational and muscular loading on bone formation in growing rats p 194 A86-30396 Early mammalian development under conditions of function reorientation relative to the gravity vector p 194 A86-30399 Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400 Growth and development of mice and rats conceived and reared at different G-intensities during chronic centrifugation p 195 A86-30403 A marsupial model for the investigation of gravitational ffects on early development p 195 A86-30404 effects on early development Fertilization, development and spicule formation in sea urchins under conditions of constant reorientation relative to the gravitation axis p 195 A86-30406 Gravistimulation-induced changes in current patterns p 196 A86-30411 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots

p 196 A86-30412

p 196 A86-30413

Red light shifts the locus and rate of gravitropic curvature

in etiolate pea epicotyls

p 196 A86-30414 Plant growth responses to atmosphere and other environmental variables in the Space Shuttle Plant Growth p 196 A86-30415 Immunocytochemical localization of calmodulin in pea root caps and plumules and its relevance to hypothesis on gravitronism p 197 A86-30419 Effects of norflurazon on the levels of abscisic acid and xanthoxin in caps of gravistimulated roots of maize p 197 A86-30420 Correlated changes in calmodulin activity and gravitropic sensitivity in roots of maize p 197 A86-30422 Bone loss during simulated weightlessness - is it glucocorticoid mediated? p 197 A86-30423 Altered carbohydrate metabolism in the whole body suspended rat p 199 A86-30431 Oxygen consumption during cold exposure at 2.1 G in rats adapted to hypergravic fields p 199 A86-30432 Effects of clinostat rotation on Aurelia statolith p 199 A86-30436 Protein concentration elevations in lungs of mice following sudden, transient cephalad (+Gz) acceleration p 199 A86-30437 Transient dehydration of lungs in tail-suspended rats p 200 A86-30438 influence of exposure to a prolonged hyperdynamic field on body temperature in the squirrel monkey p 200 A86-30439 Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441 Day course of blood and plasma density in relation to other hematological parameters p 215 A86-30446 Microvascular flow adjustments with postural changes p 215 A86-30448 Electron microprobe analyses of Ca, S, Mg and P distribution in incisors of Spacelab-3 rats p 202 A86-30455 Responses of amino acids in hindlimb muscles to recovery from hypogravity and unloading by tail-cast p 202 A86-30456 Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on p 202 A86-30459 Early adaptation to altered gravitational environments in the squirrel monkey p 203 A86-30461 Effects of weightlessness on neurotransmitter receptors in selected brain areas p 203 A86-30462 The effect of a hyperdynamic environment on the development of the rat retina p 203 A86-30463 Otoconial morphology in space-flown rats D 204 A86-30470 Morphologic and histochemical studies of bone cells p 205 A86-30473 Osteocalcin as an indicator of bone metabolism during p 205 Bone maturation in rats flown on the Spacelab-3 ission p 205 A86-30479 p 205 The use of suspension models and comparison with true weightlessness --- Animal Model Workshop on Gravitational Physiology p 205 A86-30480 viscosity elevations with p 253 A86-36312 Head movements in non-terrestrial force environments elicit motion sickness - Implications for the etiology space motion sickness p 253 A86-36315 Hemodynamics of miniature swine during with and without anti-G support p 275 p 275 A86-39096 The role of gravity in producing digestive system p 391 A86-43677 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal p 395 A86-44089 Physical training and +Gz tolerance reevaluated p 396 A86-44096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097 Effect of head-out water immersion on response to exercise training p 396 A86-44194 Human factors problems in the tactical air command D 396 A86-44778 G-induced loss of consciousness - Combat aircraft pilots head for trouble p 396 A86-44814 The frequency of sister chromatid exchanges in blood cells under prolonged hypokinesia p 421 A86-49272 Dynamics of the cupula in the semicircular canal of the vestibular analyzer --- Russian book p 421 A86-49339 Development of otoconia in the embryonic chick (Gallus D 414 A86-49871 Biochemical responses of Xenopus Laevis muscles to changes in environment I. - Comparison to Rana Catesbeiana and exposure to gravic environment p 415 A86-50288

An updated model for a Space Station Health

The use of a constitutional approach in the evaluation health status p 420 A86-49270

Health and performance of antarctic winter-over

p 397 A86-46938

p 182 N86-22109

[AIAA PAPER 86-2303]

personnel: A follow-up study

of health status

[AD-A161773]

Description of concept and first feasibility test results Rinchemical regnances of Yenonus laevis muscles to Practical application of basic research on impulse noise changes in environment. II - Responses to gravity and pressure p 415 A86-50289 of a life support subsystem of the Botany Facility based hazard p 149 N86-19912 [AD-A160432] on water reclamation p 115 N86-18964 Effects of -Gz centrifugal acceleration upon cardiac Carbon dioxide evolution rate as a method to monitor A proposal for a longitudinal study to assess the hazards p 415 A86-50290 output of hamster radiation in space flight and control an aerobic biological waste treatment Contractile properties of rat muscle fibers during p 151 N86-19930 [AD-A160801] p 117 N86-18975 long-term exposure to +2 Gx accelerations The clinical prediction of dangerousness Development, growth and time --- biological model p 54 N86-14858 p 135 N86-19899 [CWI-CS-R8516] p 277 N86-26795 In vivo nuclear magnetic resonance imaging HEAD (ANATOMY) Controlled environment life support system: Growth [NASA-CR-171928] p 170 N86-21105 Effects of head and body restraint on experimental studies with potatoes GRAVITROPISM motion-induced sickness in squirrel monkeys [NASA-CR-177400] p 434 N86-32101 Evidences for changes in sensitivity to auxin and in p 26 A86-14314 Growth and development of rhesus monkeys exposed cell-wall properties during gravitropic bending of dicot Critical impact and acceleration loading to the head Effects of simulated gravity nullification on to ELF (Extremely Low Frequency) electric and magnetic p 214 A86-30381 fields during the first 54 months of life The event related brain potential as an index of [AD-A168733] p 417 N86-32953 shoot-inversion release of apical dominance in Pharbiti information processing, cognitive activity, and skill acquisition: A program of basic research GUANIDINES p 196 A86-30410 Acute oral toxicity (LD50) of guanidine hydrochloride in Effect of calmodulin and auxin transport inhibitors on n 43 N86-13897 [AD-A1591181 calcium net uptake along apical corn roots Human head/neck/upper-torso model response to p 376 N86-28608 [AD-A165747] p 196 A86-30412 dynamic loading p 221 N86-23266 **GUINEA PIGS** Red light shifts the locus and rate of gravitropic curvature HEAD MOVEMENT Identification of vaccine resistant isolates of bacillus in eticlate pea epicotyls p 196 A86-30413 Adapted head- and eye-movement responses An attempt to localize and identify the gravity sensing anthracis p 250 A86-33758 added-head inertia p 212 N86-24187 p 197 A86-30417 [AD-A162002] mechanism of plants Eye and head response to an attention cue in a dual **GUN PROPELLANTS** Cytochemical localization of calcium in cap cells of p 262 A86-33827 task paradigm Health hazard evaluation of liquid monopropellants. primary roots of Zea mays L p 197 A86-30418 Head movements in non-terrestrial force environments Phase 4. Subchronic inhalation of hydroxylammonium Immunocytochemical localization of calmodulin in pea elicit motion sickness - Implications for the etiology of p 253 A86-36315 root caps and plumules and its relevance to hypothesis nitrate. January 1985 space motion sickness p 197 A86-30419 [AD-A157623] p 17 N86-11844 Effect of hydration on some on gravitropism orthostatic and Effects of norflurazon on the levels of abscisic acid and haematological responses to head-up tilt p 419 A86-49225 xanthoxin in caps of gravistimulated roots of maize H p 197 A86-30420 HEAD-UP DISPLAYS Correlated changes in calmodulin activity and gravitropic sensitivity in roots of maize p 197 A86-30422 Head-up/head-down transition - Measurement of HARITARII ITY p 186 A86-29092 transition times **GREENHOUSE EFFECT** Habitability of the early earth - Clues from the physiology Climatic consequences of very high CO2 levels in Earth's of nitrogen fixation and photosynthesis Headache at high altitude is not related to internal carotid p 308 N86-26904 p 25 A86-14117 arterial blood velocity p 8 A86-10108 p 166 N86-21027 GREENHOUSES Space Station crew safety - Human factors model Weather and migraine Greenhouses with curvilinear planting surface p 143 A86-23742 Environmental impact research program. Status and Effects of high altitude on neurological and pulmonary p 159 N86-21132 function: The effect of high altitude on visual evoked **GROUND SPEED** ource of habitat models and literature reviews, December potentials in humans on Mt. Everest Optical and event-duration variables affecting [AD-A1683351 p 424 N86-32959 1984 self-motion perception HEALING [AD-A1568991 p 28 N86-12950 [AD-A1618361 Electrical enhancement of healing p 223 N86-24194 HABITUATION (LEARNING) GROUP DYNAMICS p 156 A86-28449 The effect of antimotion sickness drugs on habituation Human factors in space station architecture 1: Space p 377 A86-41780 Effects of non weight bearing on callus formation station program implications for human factors research p 193 A86-30394 HALOPHILES [NASA-TM-86702] p 46 N86-13900 Dicyclohexylcarbodiimide-sensitive **ATPase** HEALTH Evaluation of a multi-method group treatment approach p 49 A86-16902 Halobacterium saccharovorum Health maintenance and human productivity in the Space for the management of stress Halobacterium denitrificans sp. nov. - An extremely Station Fra [AD-A1608131 p 135 N86-19897 p 414 A86-49524 [SAE PAPER 851312] halophilic denitrifying bacterium p 110 A86-23503 The clinical prediction of dangerousness The rhodopsin-like pigments of halobacteria Assessments and viewpoints on the biological and [AD-A160820] p 135 N86-19899 Light-energy and signal transducers in an p 415 A86-50271 human health effects of Extremely Low Frequency (ELF) Attention allocation, distraction, and the type A/Type archaebacterium electromagnetic fields: Compilation of commissioned B behavior pattern HAMSTERS papers for the ELF literature review project [AD-A160671] p 180 N86-21141 Ventilatory responses of hamsters and rats to hypoxia [AD-A156942] p 16 N86-11839 Behavioral considerations for space station design and hypercapnia p 79 A86-20005 Health hazard evaluation of liquid monopropellants. The experimental determination of safe atmospheric [AD-A163478] p 265 N86-25118 Phase 5: Comparative inhalation toxicities of LGP 1776. exposure concentrations of JP-10 jet fuel An experimental paradigm for team decision LGP 1845, and HAN (hydroxylammonium nitrate) p 258 N86-25985 AD-A1631701 p 440 N86-33000 p 40 N86-13891 processes [AD-A1590901 HAND (ANATOMY) GROWTH A proposal for a longitudinal study to assess the hazards Hand grip strength decrease related to hand skin Testosterone and muscle hypertrophy in female rats of radiation in space flight temperature drop during six-hour ice cold water p 2 A86-12026 [AD-A160801] p 117 N86-18975 p 86 A86-19348 1,25-dihydroxyvitamin D3 normalizes maternal food Assessing the health risks of carrier landings in US Navy Effect of increased body clothing insulation on hand consumption and pup growth in rats p 52 A86-18400 pilots temperature in a cold environment p 127 N86-19891 AD-A1609281 Effect of rotopositioning on the growth and maturation p 22 N86-10786 (AD-A1565971 of mandibular bone in immobilized Rhesus monkeys Health and performance of antarctic winter-over Some dominant frequencies of postural tremor are lowe p 106 A86-25659 ersonnel: A follow-up study 31 bar p 122 N86-19859 Respiratory response and muscle function during at 31 bar [AD-A161773] Thymic involution in the suspended rat - Adrenal p 182 N86-22109 hypertrophy and glucocorticoid receptor content Executive summary: Ambient ozone and human health: isometric handgrip exercise at high altitude p 106 A86-25660 An epidemiological analysis [AD-A162003] p 223 N86-24198 Comparative analysis of hypo - and hyper-gravity effects [PB86-114089] p 226 N86-24212 on prenatal development of mammals Review of book on principles of aviation psychology Ambient ozone and human health: An epidemological p 191 A86-30377 p 235 N86-23261 analysis, volume 3 Growth and differentiation of mammalian embryonic HANDLING EQUIPMENT [PB86-114105] p 226 N86-24213 tissues exposed to hypergravity in vivo and in vitro Study of biosample preservation, handling, and bservation facilities Factors influencing carboxyhemoglobin stability p 289 N86-27918 p 194 A86-30400 [AD-A165032] p 213 N86-24191 [ESA-CR(P)-2126] Growth and development of mice and rats conceived HEALTH PHYSICS HARDWARE and reared at different G-intensities during chronic Age-related augmentation of plasma catecholamines Goldstone field test activities: Target search centrifugation p 195 A86-30403 during dynamic exercise in healthy males A marsupial model for the investigation of gravitational fects on early development p 195 A86-30404 p 309 N86-26911 p 10 A86-12376 HAZARDS effects on early development Absorption of millimeter waves by human beings and Human body impedance and threshold currents for The effect of a hyperdynamic environment on the its biological implications p 111 A86-24442 perception and pain for contact hazard analysis in the p 203 A86-30463 development of the rat retina Cardiovascular epidemiology, exercise, and health p 281 A86-39598 VLF-MF band Bone maturation in rats flown on the Spacelab-3 40-year followup of the U.S. Navy's '1000 aviators' Biotechnology regulation p 378 A86-41789 p 205 A86-30479 p 3 N86-10733 [GPO-43-778]

A new hazard function estimator of performance time

Health hazard evaluation of liquid monopropellants.

Phase 5: Comparative inhalation toxicities of LGP 1776.

LGP 1845, and HAN (hydroxylammonium nitrate)

Magnetic-field hazards bibliography, 2nd edition

[AD-A157843]

[AD-A159090]

[AD-A160154]

p 42 N86-12971

p 40 N86-13891

p 107 N86-18955

bone formation

The effects of prostaglandin E2 in growing rats -

Investigation of distinctions referable to growth,

development and metabolism of Closteriopsis acicularis

algae when cells are limited in nitrogen as related to

biological life-support systems for man

p 375 A86-43450

p 57 N86-15883

Increased metaphyseal hard tissue and cortico-endosteal

Effect of intensive visible light on activity of glutathione peroxidase in pigmented epithelium of eye p 210 N86-23226 Discovery regarding electron redistribution among cell membranes p 217 N86-23227 Assessment of selected physiological indicators in antenna operators at short-wave transmitting and receiving p 220 N86-23250 Biological effects of ionizing radiation p 288 N86-27909 Effects of radiation health p 288 N86-27910 HEARING A study of functional asymmetry of paired organs in aircraft personnel p 10 A86-10750 Methods of measuring the attenuation of hearing protection devices rotection devices p 406 A86-45073 Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study [AD-A1607991 p 117 N86-18974 A comparison of dichotic listening task scoring methods [AD-A1599201 p 133 N86-18980 The effect of impulse intensity and the number of impulses on hearing and cochlear pathology in the chinchilla [AD-A161230] p 109 N86-19827 A chinchilla restraint system [AD-A1674081 p 416 N86-32084 Speech analysis based on a model of the auditory system AD-A1674261 p 427 N86-32098 HEART Heat acclimation - Cardiac performance of isolated rat eart p 82 A86-22663 Morphological changes in some internal organs of guinea pigs due to the effect of a constant electromagnetic p 103 A86-23490 Microgravity changes in heart structure and cyclic-AMF p 203 A86-30465 metabolism Modeling electrocardiograms using interacting Markov chains [AD-A162758] p 178 N86-22105 Remote sensing of body signs and signatures [AD-A1621061 p 224 N86-24199 Cardiokymography [PB86-133790 p 258 N86-25987 HEART DISEASES Ischemic cardiopathology in pilots - The risk, the methods of detection and prevention p 113 A86-24511 Evaluation of precordial mapping before and after submaximal exercise amongst normal and asymptomatic subjects with non specific ST-T abnormalities p 251 A86-35290 Longitudinal study of cardiovascular disease in U.S. Navy pilots p 253 A86-36314 A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities [AD-A159811] p 93 N86-17982 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987

Advanced clinical research in shock and trauma

[AD-A1627301 p 177 N86-22103 Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983 [AD-A1622091 p 224 N86-24201

Aerobic capacity and coronary risk factors in middle-aged army population AD-A163998 HC A02/MF An1 [AD-A1639981

p 257 N86-25979 Cardiokymography [PB86-133790] p 258 N86-25987

HEART FUNCTION

Cardiac response of submaximal exercise in dogs susceptible to sudden cardiac death p 1 A86-10107 The environment and the heart --- Russian book

p 25 A86-13460 Analyses of maximum cardiopulmonary performance during exposure to acute hypoxia at simulated attitude -Sea level to 5000 meters (760-404 mm Hg)

p 60 A86-18839 Investigation of the functional condition of pilots in the case of oxygen breathing under excess pressure

p 88 A86-22525 The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation

p 216 A86-30895

Antioxidants as antiarrhythmic remedies

p 246 A86-35938 Changes in the contractile and electrical activities of the rat myocardium under the effect of verapamil under insufficient oxygenation p 246 A86-35939

Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536

Exercise conditioning increases rat myocardial calcium uptake p 276 A86-39097 Cardiovascular responses of women to lower body negative pressure D 377 A86-41779 The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure

D 395 A86-44091 The contractile function and the energy metabolism of the myocardium under emotional stress and during adaptation of animals to short stress effects

p 392 A86-45322 Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290 Assessment of state of chronotropic and inotropic heart function at different degrees of physical fitness

p 12 N86-10746 Increased inotropi of the heart in normoxic hyperbaric tmosphere p 123 N86-19869
Selection and medical testing of Mirage 2000 pilots: Report of echocardiography p 399 N86-30314 The use of ECG changes caused by acceleration as tolerance predicition factors p 399 N86-30316 HEART MINUTE VOLUME

Noninvasive Doppler determination of cardiac output during submaximal and peak exercise

p 21 A86-10102

**HEART RATE** 

Noninvasive Doppler determination of cardiac output during submaximal and peak exercise

p 21 A86-10102 Biophysical basis of the two-component analysis of biosignals of the pulsed filling of the blood vessels p 34 A86-15517

Plasma norepinephrine, blood pressure and heart rate response to graded change in body position

p 59 A86-18835 Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate

p 52 A86-18840 Disturbance of the multiperiodic synchronization of the heart-beat and respiratory rhythms after transmeridian flights through three time zones p 88 A86-22533 Changes in the heart rate and in the cerebral vascular tonus affected by alternating physical and mental loads

p 89 A86-22535 Calculation method for determining energy expenditures p 90 A86-22567 Device for rapid quantification of human carotid baroreceptor-cardiac reflex responses

p 162 A86-28125 Homeostasis and biological rhythms in the rat during spaceflight p 202 A86-30460 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt p 250 A86-33757

Synchronization of heart contractions and respiration during thermoregulatory polypnea in dogs

p 245 A86-34490 impulse activity of the brain stem neurons related to the cardiac and respiratory rhythms p 246 A86-35940 Heart and respiration rates during a mental task performed with varying degrees of success

p 254 A86-36526 Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536 Circadian variations of systolic time intervals

p 394 A86-44087 The use of cardiac-rhythm statistical characteristics in evaluating mental work capacity p 420 A86-49265 Dynamics of changes of statistical indicators of heart rhythm of persons with different degree of motion p 12 N86-10743 sickness Assessment of state of chronotropic and inotropic heart

function at different degrees of physical fitness

p 12 N86-10746 Effect of positive pressure breathing on hemodynamics in patients with borderline hypertension submitted to water immersion p 61 N86-14855

Hemodynamic parameters as related to different tolerance to head-pelvis accelerations p 61 N86-14859

Biocybernetic analysis of a hybrid workload model [AD-A159033] p 63 N86-14880

Resting metabolic rate in men following prolonged treadmill exercise p 121 N86-19853

Analysis techniques for continuous twenty four hour ambulatory blood pressure patterns p 170 N86-21103 Heat acclimatization developed during summer running in northeastern United States

[AD-A162728] p 177 N86-22102

Remote sensing of body signs and signatures
AD-A162106] p 224 N86-24199 Effectiveness of an air-cooled vest using selected air

temperature and humidity combinations [AD-A162026] p 242 N86-24219

An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition system

[ÁD-A164099] p 257 N86-25981 Perceptual and physiological responses during exercise in cool and cold water [AD-A1654911

p 283 N86-26800 Cardiac reserve during weightlessness simulation and

[NASA-CR-177085] p 380 N86-29497 Complex monitoring performance and the coronary-prone type A behavior pattern

[AD-A168240] p 428 N86-32971 **HEART VALVES** 

Mitral valve prolapse in a young person - An estimation of the risk of arrhythmia - The impact on the flight fitness of a pilot p 113 A86-24510

**HEAT ACCLIMATIZATION** 

Indicators of external respiration in young athletes during adaptation to high environmental temperature

p 9 A86-10699

Adaptation of the human organism to the repeated short-term exposures to a hot environment

p 10 A86-10701 Heat sensitivity of the medial preoptic region of the hypothalamus during seasonal adaptation and acclimatization to high ambient temperature

p 26 A86-14594 Muscle metabolism during exercise in the heat in unacclimatized and acclimatized humans

p 36 A86-16051 Experimental validation of training regime and a monitoring method connected with accelerated adaptation to heat p 88 A86-22524 adaptation during training ng by graded p 89 A86-22538 hyperthermia Thermoregulation in man under thermal stress

p 89 A86-22541 Hematological criteria of the heat adaptation of seamen p 90 A86-22569 Heat acclimation - Cardiac performance of isolated rat heart p 82 A86-22663

Substantiation of physiological criteria for assessing the functional status of the human body in high-temperature environments p 255 A86-36532 Human adaptation to antagonistic environmental p 255 A86-36535 factors

Mechanism of adaptogenic action of prickly eleuterococcus on man during heat stress

p 14 N86-10757 Factors which alter human physiological responses during exercise-heat acclimation

[AD-A160580] p 115 N86-18967 Heat acclimatization developed during summer running in northeastern United States

[AD-A162728] p 177 N86-22102 HEAT BUDGET

Man's thermal budget under various climates

p 164 N86-21016 Weather sensitivity as discomfort p 165 N86-21025

**HEAT EXCHANGERS** Development of an improved liquid cooling system

in protective clothing p 97 A86-19341 HEAT PUMPS Description of concept and first feasibility test results

of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 HEAT STORAGE

Application of a nonstationary energy budget model to determine thermal comfort p 164 N86-21017 HEAT STROKE

An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency

[AD-A157620] p 6 N86-11832 Man's thermal budget under various climates

p 164 N86-21016 Application of a nonstationary energy budget model to determine thermal comfort p 164 N86-21017 HEAT TOLFRANCE

Correlation between plasma fibronectin level and experimental rat heat stress mortality

[AD-A1609431

Heat sensitivity of the medial preoptic region of the pothalamus during seasonal adaptation and hypothalamus acclimatization to high ambient temperature

p 26 A86-14594 Plasma hormonal responses at graded hypohydration levels during exercise-heat stress

[AD-A164941] p 86 A86-20004 Zonal differentiation of performance under heat stress - of humans p 251 A86-33801 Effect of inclusion of supplementary ascorbic acid in

daily diet on degree of vitamin saturation of body and thermoresistance of erythrocytes while working in p 13 N86-10749

Heat transfer in impermeable clothing: Sweat plays a	A multiple-regression model of pilot performance in	Review of modified hemoglobin solutions for use as
role after all [iZF-1985-9] p 100 N86-17992	vertical and translational flight [AD-A161364] p 188 N86-22115	temporary blood substitutes [AD-A164210] p 256 N86-25114
Factors which alter human physiological responses	A review of the pilot backache problem in the CH113	Influence of erythrocythemia on blood volume and
during exercise-heat acclimation	Labrador helicopter	thermoregulation during exercise-heat stress
[AD-A160580] p 115 N86-18967	[AD-A164011] p 256 N86-25113	[AD-A165014] p 289 N86-27916
Heat acclimatization developed during summer running in northeastern United States	Human factors research in aircrew performance and	AFRRI (Armed Forces Radiobiology Research Institute)
[AD-A162728] p 177 N86-22102	training [AD-A167740] p 427 N86-32967	[AD-A165810] p 379 N86-28614
HEAT TRANSFÉR	HELIUM	Biological studies of swine exposed to 60-Hz electric
Afterdrop of body temperature during rewarming - An	Estimating the small airways resistance from	fields. Volume 5: Hematology and serum chemistry
alternative explanation p 162 A86-28122  The effect of high temperature on the heat exchange	measurements of the upstream resistance of several gas	[DE86-005362] p 411 N86-30344 Induced erythrocythemia and maximal aerobic power:
and the nutritional status of pilots p 397 A86-45325	mixtures p 162 A86-28448	An examination of modifying factors
Heat transfer mechanism in human extremities	HELIUM IONS Radiobiological validation of quality factor of protons and	[AD-A166522] p 402 N86-31212
p 14 N86-10759	helium ions p 287 N86-27895	HEMATOPOIESIS
Heat transfer in impermeable clothing: Sweat plays a role after all	HELIUM-NEON LASERS	Regulation of hematopoiesis in rats exposed to antiorthostatic hypokinetic/hypodynamia. II - Mechanisms
[IZF-1985-9] p 100 N86-17992	Changes in the carbohydrate energy metabolism in the	of the 'anemia' p 80 A86-20404
Prediction modeling of physiological responses and	rat brain under laser radiation p 276 A86-39719	Hematologic parameters of astrorats flown on SL-3
human performance in the heat	HELMET MOUNTED DISPLAYS Evaluation of helmet display formats	p 202 A86-30458
[AD-A160513] p 115 N86-18965 Man's thermal budget under various climates	p 184 A86-28440	The content of lactic acid in the blood and erythropoiesis during hypoxia p 393 A86-45324
p 164 N86-21016	HELMETS	Indices of blood oxygen transporting properties and
HEAT TRANSMISSION	Laboratory and flight testing of ballistic protective	erythropoiesis in rats after prolonged stay in
Refurbishing spray on aluminum enamel on proximity	headgear for rotary wing aircrew p 97 A86-19344	nitrogen-oxygen mixture at elevated pressure
clothing [AD-A159707] p 153 N86-19944	The development of two prototype facial protection	p 5 N86-10761 Hematopoiesis in conventional mice after wound
[AD-A159707] p 155 Noo-19944  HEATERS	systems for high performance aircrew helmets p 430 A86-47739	trauma
Light-Weight Radioisotope Heater Unit Safety Analysis	A new standard for protective headgear - BS 6658	[AD-A160436] p 108 N86-18959
Report (LWRHU-SAR). Volume 1. A. Introduction and	p 431 A86-47752	Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo
executive summary. B. Reference Design Document	Improvements and modifications to naval helicopter	and in vitro p 388 N86-29524
(RDD) [DE86-001457] p 172 N86-21113	helmets p 431 A86-47761  Dynamics of head protection (impact protective	HEMATOPOIETIC SYSTEM Glucocorticoid antagonism by endotoxin: Biological
HEATING	comparison of the SPH-4 flight helmet to a commercial	effects during stress and basis for inhibition of
Afterdrop of body temperature during rewarming - An	motorcycle helmet)	phosphoenolpyruvate carboxykinase
alternative explanation p 162 A86-28122	[AD-A161164] p 154 N86-19945	[AD-A160740] p 116 N86-18969
Efficiency of muscular work in white rats during adaptation to cold p 5 N86-10763	The vertebral column: Selection and aptitude of combat aircraft pilots of the future p 400 N86-30322	Review of modified hemoglobin solutions for use as temporary blood substitutes
HEATING EQUIPMENT	HEMATOCRIT RATIO	[AD-A164210] p 256 N86-25114
Diver response to hot water loss at depths greater than	Plasma volume methodology: Evans blue,	Macrophage structure and function
300 meters: Experimental observations and theoretical	hemoglobin-hematocrit, and mass density	[AD-A163314] p 276 N86-26793
interpretation p 121 N86-19855  Development of thermoelectric water heating-cooling	transformations [NASA-TM-86834] p 37 N86-12956	HEMODYNAMIC RESPONSES  Cardiac response of submaximal exercise in dogs
devices	HEMATOLOGY	susceptible to sudden cardiac death p 1 A86-10107
[AD-A166949] p 409 N86-31221	Role of hemoglobin P50 in O2 transport during normoxic	Effects of 100 percent oxygen on the cardiovascular
HELICOPTER CONTROL	and hypoxic exercise in the dog p 1 A86-10103	responses to vasoactive compounds in the dog
Retention of helicopter flight skills - Is there a 'critical period' for proficiency loss? p 129 A86-23718	Leukocytic reactions caused by emotional stress	p 2 A86-10255 Opposing hemodynamic effects of substance P on
Levels of helicopter control force inputs during in-flight	p 34 A86-15519 Red blood cell decreases of microgravity	pulmonary vasculature in rabbits p 3 A86-12378
emergency conditions as a function of aviator	[IAF PAPER 85-324] p 36 A86-15829	Hemodynamic effects of anti-G suit inflation in a 1-G
experience p 236 A86-29852	The effect of auricular electric stimulation on	environment p 22 A86-12379
Helicopter-control-referenced strength capabilities of small individuals p 213 A86-29855	myelopeptide production and early reactions of blood	Medical evaluation of cosmonauts - Cardiovascular assessment p 11 A86-12428
Helicopter flight control with one hand	systems cell populations in the presence of immobilization stress p 49 A86-16752	Changes in the vascular functions of skeletal muscles
p 269 A86-34923	Changes in the morphofunctional and cytochemical	due to acute hypothermia p 3 A86-12522
Operational experiences with night vision goggles in	indices of blood leukocytes after exposure to low-intensity	Blood circulation changes in the carotid arteries pool
helicopter low-level flight at night p 293 N86-26805 Anthropometric considerations for a 4-axis side-arm	microwave radiation p 52 A86-18150	caused by antiorthostasis and antiorthostatic hypokinesia p 27 A86-15513
flight controller p 439 N86-32993	Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under	Hemodynamics during short-term application of lower
HELICOPTER DESIGN	reduced barometric pressure p 80 A86-21454	body negative pressure p 33 A86-15514
Advanced technology - New fixes or new problems?	Cytochemical studies of blood lymphocytes in the	Typological analysis of central and peripheral
for helicopter voice warning systems p 147 A86-26031	diagnosis and forecasting of changes in the functional	hemodynamics during orthostasis in normal subjects and in patients with arterial hypertonia p 33 A86-15515
The role of flight simulation in helicopter crew station	status of athletes p 89 A86-22540  Hematological criteria of the heat adaptation of	Hemodynamic responses to upright tilt at sea level and
design	seamen p 90 A86-22569	high altitude
[SAE PAPER 851900] p 272 A86-36940	lonizing radiation and blood vessels Russian book	[AD-A163555] p 59 A86-18836
HELICOPTER PERFORMANCE Pilot speech performance while talking to a speech	p 105 A86-24144	Plasma volume and estimated liver plasma flow during hyperbaric and hyperoxic exposures in awake dogs
recognizer and flying a competitive helicopter pursuit	Evaluation of radiation-induced damage in the erythrocyte membranes of rats and dogs according to	p 52 A86-18841
task	changes in the erythrocyte sedimentation behavior	Correlation between the arterial blood pressure, the
[SAE PAPER 851779] p 264 A86-35441	p 106 A86-24424	pulmonary artery pressure, and central venous pressure
Assessment of simulation fidelity using measurements of piloting technique in flight. II p 264 A86-35667	Hematologic parameters of astrorats flown on SL-3	p 90 A86-22542 Effects of detraining on cardiovascular responses to
HELICOPTERS	p 202 A86-30458 Studies of radioprotective properties of adeturon and	exercise - Role of blood volume p 91 A86-22665
How much inherent buoyancy is acceptable in a	polyanion, applied separately and in combination	Mechanism of circulatory disorders in animals subjected
helicopter passenger immersion suit p 96 A86-19310	p 208 A86-32699	to high-dose irradiation p 106 A86-24423
A comparison of voice and keyboard data entry for a	Partial recovery of neutrophil functions during prolonged	Orthostatic tolerance of normal Indians and those with suspected abnormal cardiovascular reflex status
helicopter navigation system p 237 A86-29859	hypothermia in pigs p 246 A86-36220 Plasma viscosity elevations with simulated	p 114 A86-25661
Helicopter crew evaluations on the effects of vibration on performance p 260 A86-33800	weightlessness p 253 A86-36312	The effect of intense mental work under stress on cardiac
A model of the human's use of visual field cues in	The frequency of sister chromatid exchanges in blood	activity, hemodynamics, and brain circulation
nap-of-the-earth flight	cells under prolonged hypokinesia p 421 A86-49272	p 216 A86-30895 Gemme-aminohutvric acid and hulhar mechanisms of
[AIAA PAPER 86-2252] p 426 A86-47498	Plasma volume methodology: Evans blue, hemoglobin-hematocrit, and mass density	Gamma-aminobutyric acid and bulbar mechanisms of hemodynamic regulation p 246 A86-35941
Improvements and modifications to naval helicopter	transformations	Cutaneous vascular responses to heat simulated at a
helmets p 431 A86-47761	[NASA-TM-86834] p 37 N86-12956	high altitude of 5,600 m p 252 A86-36219
The helicopter to fixed wing conversion program: A critical review	Design, construction and testing of a dc bioeffects	Hemodynamic response to LBNP following 2 hours HDT
[AD-A156820] p 42 N86-12968	enclosure for small animals [DE05-016798] p 29 N86-13883	(-6 deg) lower body negative pressure with head-down tilt p 252 A86-36309
An analysis of visual tasks in helicopter shipboard	Health hazard evaluation of liquid monopropellants.	Cardiovascular dynamics associated with tolerance to
landing	Phase 5: Comparative inhalation toxicities of LGP 1776,	lower body negative pressure p 253 A86-36310
[AD-A161101] p 136 N86-19903	LGP 1845, and HAN (hydroxylammonium nitrate)	Forearm skin and muscle vasoconstriction during lower
The role of vibration and rattle in human response to helicopter noise	[AD-A159090] p 40 N86-13891 Detection of HBsAg in families of children with viral	body negative pressure p 280 A86-39093 Hemodynamics of miniature swine during +Gz stress
[AD-A162486] p 182 N86-22110	hepatitis B p 218 N86-23232	with and without anti-G support p 275 A86-39096

Cardiovascular responses of women to lower body		
negative pressure p 377 A86-41779	HEREDITY	A study of human lymphocyte morphology from th
Hemodynamic correlates of immobilization stress in	Prospects for DNA methods to measure human heritable mutation rates	peripheral circulation after hyperbaric exposure divers
		p 121 N86-1985
P 0.0 1100 10120	[DE85-014555] p 17 N86-11847	Some dominant frequencies of postural tremor are lower
Measurement and prediction of flow through a replica	Annual report and summaries of FY 1985 activities	at 31 bar noquencies of postular tremor are lowe
segment of a mildly atherosclerotic coronary artery of	supported by the Division of Biological Energy Research	
man p 374 A86-43440	[DE65-009132] p 209 NR6-23220	High pressure oxygen (OHP) induced increase of serur
Changes in pericardial microcirculation in dogs during	HERMES MANNED SPACEPLANE	prolactin is not due to a dopamine (DA)-receptor
adaptation to static muscle loads p 392 A86-45321	Hermes ECLSS - Review of general requirements and	DIOCKAGE p 123 N86-1986
	application to the spaceplane definition	HIGH PRESSURE OXYGEN
The effect of hypoxia on the dynamics of the peripheral		Investigation of the functional condition of pilots in the
lymph flow p 393 A86-45323	[IAF PAPER 85-304] p 45 A86-15817 HETERODYNING	case of oxygen breathing under excess pressure
Effect of nerve block on response of forearm blood flow		
to local temperature p 418 A86-47873	An infrared search for extraterrestrial laser signals	p 88 A86-2252
Fluid and protein shifts after postural changes in	p 309 N86-26907	HIGH TEMPERATURE
	HETEROTROPHS	Supercritical waste oxidation of aqueous wastes
P 421 700-43320	Carbon isotopic fractionation in heterotrophic microbial	p 150 N86-1992
Hemodynamics during gravitational overloads	metabolism p 371 A86-40669	HIGH TEMPERATURE ENVIRONMENTS
(mathematical modeling) p 12 N86-10739	HEURISTIC METHODS	
Capacity for work and hemodynamics in males residing	Generating and generalizing models of visual objects	
at middle and high latitudes p 13 N86-10747	[AD-A158197] p. 43 N86-12804	Extremely thermophilic bacteria living at temperature
Human hamadunamia abanea wadaa bish ataaa abasi	[AD-A158197] p 43 N86-13894 HIBERNATION	above 100 C p 25 A86-1364
Human hemodynamic change under high atmospheric pressure p.37 N86-12458		Heat sensitivity of the medial preoptic region of the
p 01 1100-12-100	Proteins and RNA in the neuron-neuroglia system of	hypothalamus during seasonal adaptation and
Effect of positive pressure breathing on hemodynamics	n. raphe dorsalis neurons of the ground squirrel brain during	acclimatization to high ambient temperature
in patients with borderline hypertension submitted to water	hibernation p 26 A86-14593	
immersion p 61 N86-14855	Study of brain biochemistry during hypothermia	P 26 A86-14594
Hemodynamic parameters as related to different	p 285 N86-27875	Prediction of human physical work capacity in
tolerance to head-pelvis accelerations	HIERARCHIES	high-temperature environments p 34 A86-15522
	Development of a hierarchical multiprocessor control for	An atropinized heat-stressed rat model: Anticholinergic
p 61 N86-14859	a polyarticulated machanical structure and details at the	and anticholinesterase drug potency
On the importance of cooling in climatic therapy	a polyarticulated mechanical structure used to study human	[AD-A157620] p 6 N86-11832
p 165 N86-21020	operators subjected to vibrations French thesis	HIGHLY MANEUVERABLE AIRCRAFT
Review of modified hemoglobin solutions for use as	p 433 A86-48553	The technology impact
temporary blood substitutes	Stimulus structures and mental representations in expert	The technology impact of the Advanced Technology
	comprehension of computer programs	Crew Protection (ATCP) system on high performance
	[AD-A157520] p.42 N86-12060	aircraft p 406 A86-44779
Experimental and general theoretical research: Nature	Skill acquisition: Compilation of weak-method problem	HIPPOCAMPUS
of circulatory regulation in pilots p 285 N86-27880	solutions	The effect of high energy (HZE) particle radiation (Ar-40
HEMODYNAMICS	EAD 44507051	On aging parameters of mouse binesses and allon (Ar-40)
The effect of +Gz acceleration on cardiac volumes		on aging parameters of mouse hippocampus and retina
determined by two dimensional ashessatis assets	HIGH ACCELERATION	p 50 A86-17679
determined by two-dimensional echocardiography	The choice of seat back angle to improve acceleration	Chemically induced damage to the hippocampa
p 58 A86-18547	tolerance	formation
Fluid dynamic study in a femoral artery branch casting	[CEV-70-209] p 386 N86-29512	[NDRE/PUBL-86/1002] p 255 N86-25112
of man with upstream main lumen curvature for steady	HIGH ALTITUDE	HISTAMINES
flow p 397 A86-45254	The bends at high altitude p 32 A86-13573	
Cumulative effect of coriolis accelerations on coronary	Hemodynamic responses to upright tilt at sea level and	Functional activity of human serotoninergic and
hemodynamics p 61 N86-14861	high altitude	histaminergic systems during long-term antiorthostation
Some human reactions during 7-day antiorthostatic	7.50 4.400000	hypokinesia p 60 N86-14852
	[AD-A163555] p 59 A86-18836	Effects of 24 h sleep deprivation on biogenic amine
	Changes in glycolytic intermediates in rat erythrocytes	metabolism p 120 N86-19846
Human central hemodynamics during lower limb	during exposure to simulated high altitude	HISTOCHEMICAL ANALYSIS
decompression p 286 N86-27887	p 156 A86-29097	Ortochomical studies of blood to a service
Phasic processes in kinetics of formed blood elements	Pulmonary adaptation to high altitude	Cytochemical studies of blood lymphocytes in the
p 286 N86-27888	[AD-A157694] p 62 N86-14873	diagnosis and forecasting of changes in the functional
HEMOGLOBIN	Investigation of catecholamine metabolism at high	status of athletes p 89 A86-22540
Plasma volume methodology: Evans blue,		Morphologic and histochemical studies of bone cells
hemoglobin-hematocrit, and mass density	Condition of cardiovascular system in presence of acute	from SL-3 rats p 205 A86-30473
		Freezing of living cells
transformations		
transformations	mountain sickness p 174 N86-21127	IDEAL ALABAMA
[NASA-TM-86834] p 37 N86-12956	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high	[DE85-016297] p 55 N86-15862
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518	[DEB5-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-2323	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBsAg and its antibodies in carriers of HSsAg in various	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBoAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29287
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091	[DEB5-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 23 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-1873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-1989 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 23 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls Corticoreticular interactions in the mechanisms of
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-1989 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart — Russian book p 25 A86-13460	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071
[NASA-TM-86834] p 37 N86-12956 Inverse Fararday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book P 25 A86-13460 Physiological profile of world-class high-altitude	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414 Corticoreticular interactions in the mechanisms of reflexotherapy Topical effects of molten salt on rat integument - A
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBaAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart — Russian book p 25 A86-13460	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414 Corticoreticular interactions in the mechanisms of reflexotherapy Topical effects of molten salt on rat integument - A
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30414 The structure and development of the starch sheath in pea epicotyls p 196 A86-30414 Corticoreticular interactions in the mechanisms of reflexotherapy Topical effects of molten salt on rat integument - A histological and photometric assessment
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls p 196 A86-30414 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  1EMOSTATICS Changes in the hemostatis system of the animal	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls p 298 A86-30414 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  IEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  HISTOGRAMS  Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920  HISTOLOGY  Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257  Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412  The structure and development of the starch sheath in pae epicotyls p 196 A86-30414  Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071  Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761  Rapid identification of micro-organisms  [AD-A159945] p 107 N86-18952
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome p 218 N86-23234 HEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under reduced barometric pressure p 80 A86-21454	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS  Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY  Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls p 196 A86-30414 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 Rapid identification of micro-organisms [AD-A159945] Skeletal response to short-term weightlessness
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  HEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia	[DE85-016297] p 55 N86-15862 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30414 The structure and development of the starch sheath in pea epicotyls p 196 A86-30414 Corticoreticular interactions in the mechanisms of reflexotherapy Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 Rapid identification of micro-organisms [AD-A159945] p 107 N86-18952 Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N88-29408
[NASA-TM-86834] p 37 N86-12956 Inverse Fararday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  IEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with accute exercise	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia  HIGH FREQUENCIES The effect of high frequency electromagnetic fields on	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemna of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls p 196 A86-30412 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 Rapid identification of micro-organisms [AD-A159945] p 107 N86-18952 Skeletal response to short-term weightlessness [NASA-TM-88778] Weightlessness simulation: Physiological changes in fast
[NASA-TM-86834] p 37 N86-12956 Inverse Fararday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  IEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with accute exercise	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS  Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY  Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls p 196 A86-30412 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 Rapid identification of micro-organisms [AD-A159945] p 245 A86-33761 Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N86-29496 Weightlessness simulation: Physiological changes in fast and slow muscle
[NASA-TM-86834] p 37 N86-12956 Inverse Fararday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  IEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with acute exercise p 215 A86-30680 Microcirculation and cellular hemostasis in men with	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000	DEB5-016297] Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] P 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] P 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30414 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 Rapid identification of micro-organisms [AD-A159945] Skeletal response to short-term weightlessness [NASA-TM-88778] P 379 N86-29496 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] P 380 N86-29498
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  HEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis is men with borderline arterial hypertension submitted to	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart — Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS  Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY  Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls p 196 A86-30412 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 Rapid identification of micro-organisms [AD-A159945] p 245 A86-33761 Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N86-29496 Weightlessness simulation: Physiological changes in fast and slow muscle
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  IEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with acute exercise Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) HIGH GRAVITY ENVIRONMENTS	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  HISTOGRAMS  Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920  HISTOLOGY  Mechanisms of calcium permeability changes in the sarcolemna of vascular smooth-muscle cells during hypoxia p 157 A86-29257  Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412  The structure and development of the starch sheath in pea epicotyls p 196 A86-30472  Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071  Topical effects of molten salt on rat integument - A histological and photometric assessment  [AD-A159945] p 107 N86-18952  Skeletal response to short-term weightlessness [NASA-TM-88778] Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498  HOLDERS
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome p 218 N86-23234 HEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with pacture exercise Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193 HIGH GRAVITY ENVIRONMENTS Growth and differentiation of mammalian embryonic	DEBS-016297
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  HEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with acute exercise p 215 A86-30680 Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to accute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) HIGH GRAVITY ENVIRONMENTS Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS  Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY  Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 Rapid identification of micro-organisms [AD-A159945] p 107 N86-18952 Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N86-29496 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498 HOLDERS  Suture needle holder [AD-D011764] p 37 N86-12958
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral repatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  HEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis as associated with acute exercise p 215 A86-30680 Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193 HIGH GRAVITY ENVIRONMENTS Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro	DEBS-016297
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome p 218 N86-23234 HEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with pacture exercise p 18 N86-230680 Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water  PARENTIS Detection of HBsAg in families of children with viral hepatitis B	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193 HIGH GRAVITY ENVIRONMENTS Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS  Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY  Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls p 196 A86-30371 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 Rapid identification of micro-organisms [AD-A159945] p 107 N86-18952 Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N86-29496 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498 HOLDERS  Suture needle holder [AD-D011764] p 37 N86-12958 HOLDERS  Suture neadle contact of micro-organisms and slow muscle [NASA-CR-17644] p 37 N86-12958 HOLDERS  Suture needle holder [AD-D011764] The application of diffraction optics techniques to laser
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome p 218 N86-23234 HEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with pacture exercise p 18 N86-230680 Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water  PARENTIS Detection of HBsAg in families of children with viral hepatitis B	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193 HIGH GRAVITY ENVIRONMENTS Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS  Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY  Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-30414 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-3361 Rapid identification of micro-organisms [AD-A159945] p 107 N86-18952 Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N86-29496 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498 HOLDERS  Suture needle holder [AD-D011764] p 37 N86-12958 Topication of diffraction optics techniques to laser eye protection p 284 N86-26821
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome p 218 N86-23234 HEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with pacute exercise p 215 A86-30680 Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water p 61 N86-14854 HEPATITIS Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) Figoretic provides a p 248 A86-34193 HIGH GRAVITY ENVIRONMENTS Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400 Influence of exposure to a prolonged hyperdynamic field on body temperature in the squirrel monkey	DEBS-016297
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  IEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with acute exercise p 215 A86-30680 Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water  P 61 N86-14854 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23232	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart — Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193 HIGH GRAVITY ENVIRONMENTS Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400 Influence of exposure to a prolonged hyperdynamic field on body temperature in the squirrel monkey p 200 A86-30439	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS  Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY  Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls p 196 A86-30414 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 Rapid identification of micro-organisms [AD-A159945] p 379 N86-18952 Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N86-29496 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498 HOLDERS  Suture needle holder [AD-D011764] p 37 N86-12958 HOLDERS  Suture needle holder [AD-D011764] p 37 N86-12958 HOLOGRAPHY  The application of diffraction optics techniques to laser eye protection p 284 N86-26821
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome p 218 N86-23234 HEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with pacute exercise Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water  P 18 N86-23232 HEPATTIS Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23233 HERBICIDES	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193 HIGH GRAVITY ENVIRONMENTS Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400 Influence of exposure to a prolonged hyperdynamic field on body temperature in the squirrel monkey p 200 A86-30439 The effect of a hyperdynamic environment on the	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS  Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY  Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 Rapid identification of micro-organisms [AD-A159945] p 107 N86-18952 Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N86-29496 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498 HOLDERS  Suture needle holder [AD-D011764] p 37 N86-12958 The effect of kallikrein on the development of a general adaptation syndrome p 49 A86-16751
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBaAg and its antibodies in carriers of HSsAg in various regions of USSR p 18 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome p 218 N86-23234 HEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with acute exercise p 215 A86-30680 Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water p 61 N86-14854 HEPATITIS Detection of HBsAg in families of children with viral petaltits B p 218 N86-23233 HERBEICIDES US Department of Agriculture/Corps of Engineers	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193 HIGH GRAVITY ENVIRONMENTS Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400 Influence of exposure to a prolonged hyperdynamic field on body temperature in the squirrel monkey p 203 A86-30463	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS  Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY  Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 Rapid identification of micro-organisms [AD-A159945] p 107 N86-18952 Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N86-29496 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498 HOLDERS  Suture needle holder [AD-D011764] p 37 N86-12958 The effect of kallikrein on the development of a general adaptation syndrome p 49 A86-16751
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  IEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with acute exercise p 215 A86-30680 Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water  #EPATITIS Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various p 218 N86-23233 HERBICIDES US Department of Agriculture/Corps of Engineers cooperative aquatic plant control research. Annual report	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart — Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193 HIGH GRAVITY ENVIRONMENTS Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400 Influence of exposure to a prolonged hyperdynamic field on body temperature in the squirrel monkey p 200 A86-30439 The effect of a hyperdynamic environment on the development of the rat retina p 203 A86-30463 HIGH PRESSURE	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-3361 Rapid identification of micro-organisms [AD-A159945] p 107 N86-18952 Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N86-29496 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498 HOLDERS Suture needle holder [AD-D011764] p 37 N86-12958 The application of diffraction optics techniques to laser eye protection HOMEOSTASIS The effect of kallikrein on the development of a general adaptation syndrome p 49 A86-16751 Homeostasis and biological rhythms in the rat during
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome p 218 N86-23234 HEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with acute exercise p 215 A86-30680 Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water p 61 N86-14854 HEPATITIS Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HEPATITIS Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HEPAG and its antibodies in carriers of HSsAg in various p 218 N86-23233 HERBICIDES US Department of Agriculture/Corps of Engineers cooperative aquatic plant control research. Annual report for FY 1983; chemical control technology	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart — Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193 HIGH GRAVITY ENVIRONMENTS Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400 Influence of exposure to a prolonged hyperdynamic field on body temperature in the squirrel monkey p 200 A86-30439 The effect of a hyperdynamic environment on the development of the rat retina p 203 A86-30463 HIGH PRESSURE	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS  Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY  Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls p 196 A86-30414 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 Rapid identification of micro-organisms [AD-A159945] p 379 N86-29496 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-TM-88778] p 379 N86-29498 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498 HOLDERS  Suture needle holder [AD-D011764] p 37 N86-12958 The application of diffraction optics techniques to laser eye protection p 284 N86-26821 HOMEOSTASIS  The effect of kallikrein on the development of a general adaptation syndrome p 49 A86-16751 Homeostasis and biological rhythms in the rat during spaceflight p 202 A86-30480
[NASA-TM-86834] p 37 N86-12956 Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance Raman activity [AD-A159806] p 84 N86-17975 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 HEMOLYSIS Phasic processes in kinetics of formed blood elements p 286 N86-27888 HEMORRHAGES Continuous blood densitometry - Fluid shifts after graded hemorrhage in animals p 392 A86-45251 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  IEMOSTATICS Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Physiological changes in hemostasis associated with acute exercise p 215 A86-30680 Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water  #EPATITIS Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various p 218 N86-23233 HERBICIDES US Department of Agriculture/Corps of Engineers cooperative aquatic plant control research. Annual report	mountain sickness p 174 N86-21127 Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 HIGH ALTITUDE BREATHING Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 HIGH ALTITUDE ENVIRONMENTS The environment and the heart Russian book p 25 A86-13460 Physiological profile of world-class high-altitude climbers p 281 A86-39098 HIGH ALTITUDE PRESSURE Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 HIGH FREQUENCIES The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193 HIGH GRAVITY ENVIRONMENTS Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400 Influence of exposure to a prolonged hyperdynamic field on body temperature in the squirrel monkey p 203 A86-30463	Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112 HISTOGRAMS Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 HISTOLOGY Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots p 196 A86-30412 The structure and development of the starch sheath in pea epicotyls Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071 Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-3361 Rapid identification of micro-organisms [AD-A159945] p 107 N86-18952 Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N86-29496 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498 HOLDERS Suture needle holder [AD-D011764] p 37 N86-12958 The application of diffraction optics techniques to laser eye protection HOMEOSTASIS The effect of kallikrein on the development of a general adaptation syndrome p 49 A86-16751 Homeostasis and biological rhythms in the rat during

p 177 N86-22101

p 223 N86-24193 FCC (Federal

incorporation of active elements into the articulated total

The effect of high frequency electromagnetic fields on

human beings (frequency range between 1 kHz and 1000

Evaluating compliance with FCC (Federal Communications Commission) specified guidelines for

body model

[AD-A162518]

HOMOGENETIT	
Functional activity of human serotoninergic and	Indi
histaminergic systems during long-term antiorthostatic	during
hypokinesia p 60 N86-14852	period
Hematopoiesis in conventional mice after wound	Ada
trauma [AD-A160436] p 108 N86-18959	[AD-A] Hun
Man's thermal budget under various climates	station
p 164 N86-21016	[NAS
Mechanisms of bioenergetic homeostasis during	USS
exercise: A general model [AD-A161678] p 176 N86-22098	scienc
[AD-A161678] p 176 N86-22098 Meteorological adaptation research at biology institute	(JPRS Syll
p 211 N86-23257	[AD-A
HOMOGENEITY	Mul
A general model for the homogeneous case of the	words
continuous response [AD-A159345] p 73 N86-15914	[AD-A
[AD-A159345] p 73 N86-15914 Studies of the electric field distribution in biological	A s treatr
bodies. Experimental dosimetry at radiofrequencies	[AD-A
[AD-A163156] p 249 N86-25976	On
HORIZONTAL FLIGHT	proce
A multiple-regression model of pilot performance in vertical and translational flight	[AD-/
[AD-A161364] p 188 N86-22115	Att B bel
HORMONE METABOLISMS	[AD-/
Serum levels of eleven steroid hormones following	Me
motion sickness p 8 A86-10259	
Testosterone and muscle hypertrophy in female rats p 2 A86-12026	US scien
Hypoxia-induced vasopressin release and coagulopathy	(JPR
in a normal subject p 60 A86-18844	Es
Plasma hormonal responses at graded hypohydration	base
levels during exercise-heat stress	_
[AD-A164941] p 86 A86-20004 Volume regulating hormones p 214 A86-30384	Re 23 A
Somatostatin inhibits the ventilatory response to hypoxia	[FOA
in humans p 216 A86-30681	Ā
The role of hormonal changes in the development of	infor
motion sickness in man p 216 A86-30896	[AD-
Seasonal and circadian rhythms in androgen excretion in the extremely continental climate of Trans-Baikal and	Co [AD-
the BAM region among groups of local nonnative	Th
population p 420 A86-49269	com
Functional activity of human serotoninergic and	[NAS
histaminergic systems during long-term antiorthostatic hypokinesia p 60 N86-14852	Ef
Individual differences in maximum oxygen uptake	obje and
regulation and level p 62 N86-14863	[NA
Mitochondrial manifestations of stress and response to	Th
hormonal stimulation and hydroaeroions	para
p 84 N86-16885 Distinctions in humoral control of metabolism with	[AD- Th
simulation of spaceflight factors p 286 N86-27884	
HORMONES	HUMA
Cardiovascular receptors and fluid volume control (1985	Ð
Armstrong Lecture) p 157 A86-29099 Effect of single actions of weak electromagnetic fields	sper
of ultralow frequency on indices of endocrine system	(DE
p 12 N86-10744	and
Use of membrane vesicles as a simplified system for	[DE
studying transport of auxin [DE86-002264] p 209 N86-23219	Pi
[DE86-002264] p 209 N86-23219 A possible role for endogenous glucocorticoids in	mut [DE
orchiectomy-induced atrophy of the rat levator ani muscle:	(DE
Studies with RU38486, a potent and selective	freq
antiglucocorticoid	[DE
[NASA-CR-177029] p 411 N86-30343	M
HOSPITALS  Medical technology in space - Foreseeable economic	A
issues p 155 A86-27878	oni
HOVERING	[AC
An analysis of visual tasks in helicopter shipboard	C
landing [AD-A161101] p 136 N86-19903	the
HUBBLE SPACE TELESCOPE	IA]
The design, fabrication and delivery of a manipulator	rad
foot restraint mockup for space telescope development	and
testing	[DE
[NASA-CR-178837] p 272 N86-25121	^
HUMAN BEHAVIOR	in a [PE
A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772	Į PE
Visual scanning behavior p 178 A86-28452	lun
A review of the psychological aspects of space flight	[A[
p 179 A86-29090	E
The relation between the Type A behavior pattern,	reti [Al
pacing, and subjective workload under single- and	الما

```
vidual typological features of autonomic reactions
autogenic training in polar expedition members in
of wintering in Antarctica
                              p 13 N86-10748
ptive motivation theory
1574401
                               p 21 N86-11851
nan factors in space station architecture 1: Space
program implications for human factors research
A-TM-867021
                              p 46 N86-13900
SR report: Life sciences. Biomedical and behavioral
S-URR-85-0241
159190]
1605171
nent
1607511
essing organizations
1610151
havior pattern
A1606711
S-UBB-86-004]
.
Jg. - 10 Sep. 1985
-C-50027-H3]
mation processing organizations
A1620831
omponents of verbal intelligence
A163359]
munication and resource management
SA-CR-1770361
SA-CR-1770031
A1679581
ne effects of stress on attentional resources
N BEINGS
85-0141781
Sifo on March 1, 1954
85-0146951
ation rates
85-0145551
uencies in humans
85-0160841
men and women
-A1594191
search for mental models
-A159080]
85-017601]
```

human exposure to radiofrequency radiation p 256 N86-25117 [PB86-1270811 Behavioral considerations for space station design p 64 N86-14885 p 265 N86-25118 logistic reasoning tasks, a methodological review [AD-A163478] Man-machine systems of the 1990 decade: Cognitive p 71 N86-14892 factors and human interface issues Itimodal versus unimodal information processing of [AD-A163865] p 273 N86-25123 Emergent techniques for assessment of visual p 134 N86-18984 study of patient's self-image during orthodontic erformance p 258 N86-25988 . PB86-1447551 Macrophage structure and function p 126 N86-19888 the analysis and design of human information p 276 N86-26793 Fluid-Electrolyte-Mineral interrelations as affecting work p 136 N86-19902 performance [AD-A165325] p 282 N86-26799 ention allocation, distraction, and the type A/Type Effects of cold exposure on thermal status of men and p 285 N86-27874 p 180 N86-21141 women hteorological adaptation research at biology institute p 211 N86-23257 Studies on accurate measurements and analyses of human olfactory evoked potentials [EL-863] p 288 N86-27907 SR report: Life sciences. Biomedical and behavioral Information processing in mammalian visual cortex p 376 N86-28609 p 212 N86-23258 [AD-A165832] Monkeys as a source of viral diseases in man timate of emotional stress during working activity p 386 N86-28625 [NASA-TM-78017] d on systems analysis of skin-galvanic reaction Spatiotemporal characteristics of visual localization p 220 N86-23259 p 404 N86-30331 [AD-A166097] port from a behavioral science study grip to Australia, Physical interaction of humans and animals with p 235 N86-23280 power-frequency electric and magnetic fields p 402 N86-31215 methodology for the analysis and design of human Effects of high altitude on neurological and pulmonary function: The effect of high altitude on visual evoked p 235 N86-24214 potentials in humans on Mt. Everest p 290 N86-26828 [AD-A168335] p 424 N86-32959 Altitude acclimatization attentuates plasma ammonia e effects of expressivity and flight task on cockpit during submaximal exercise p 425 N86-32962 [AD-A168630] p 383 N86-29505 HUMAN BODY ects of consuming various foods and nutrients on Human body biomechanics and movements after ctive and subjective aspects of human performance 120-day antiorthostatic hypokinesia p 60 N86-14851 p 167 N86-21038 Effects of air pollution on man p 385 N86-29509 What in human biometeorology can contribute to e startle reflex as a learning task; Apparatus and test assessment of the effects of hazardous substances on n 428 N86-32970 Head-spine structure modeling: Enhancements to p 437 N86-32986 secondary loading path model and validation of head-cervical spine model p 172 N86-21112 [AD-A1614251 etection of chromosomal abnormalities in human Studies of the electric field distribution in biological bodies. Experimental dosimetry at radiofrequencies p 7 N86-11834 hyroid absorbed dose for people at Rongelap, Utirik [AD-A163156] p 249 N86-25976 Individual parameters in thermoregulatory control; a review --- plasma diagnostics p 17 N86-11846 [IZF-1985-26] p 283 N86-26801 rospects for DNA methods to measure human heritable Suit penetration study: Preliminary analysis of flow about p 17 N86-11847 circular cylinder [DE86-005760] p 385 N86-28623 ariation in baseline sister chromatid exchange A comparison of the specific absorption rate in a homogeneous man model and a man model containing p 64 N86-14883 lan's tolerance to fulminant form of hypoxic hypoxia realistic model bones [AD-A168547] p 424 N86-32960 p 66 N86-15879 Radiographic determination of mass of inertial tensors comparison of the effects of circuit weight training of anatomical segments p 69 N86-15910 [AD-A168581] p 425 N86-32961 On looking into the black box: Prospects and limits in Proposal for a new tomographic device providing information on the chemical properties of a body sectio p 73 N86-15913 [DE86-010547] p 425 N86-32964 n vivo detection, localization and measurement of **HUMAN CENTRIFUGES** ionuclides in man; a detection system for the localization Evaluation of pilot performance and aircrew protective measurement of small amounts of photon emitters devices in a simulated F-14 flat spin environment p 93 N86-16893 p 86 A86-19351 ssessment of individual human exposures to ozone Assisted positive pressure breathing and modified health study anti-acceleration suit filling tested up to 9 G in a human p 94 N86-17984 centrifuge, Karolinska Institute 85-245975] model of inhaled gas and vapor transport in the human p 408 N86-30341 [FOA-C-50038-H11] Activities report on physical and psychological health p 117 N86-18976 D-A1608291 of flying personnel leyond associations: Strategic components in memory p 423 N86-32093 [ETN-86-97385] Activities report on physical and psychological health D-A160783] p 134 N86-18985 of flying personnel Interactive activation models of perception and p 423 N86-32094 [ETN-86-97386] comprehension HUMAN FACTORS ENGINEERING [AD-A161362] p 181 N86-21143 Human factors in aviation. III - Some comtemporary A procedure-based approach to human information p 44 A86-13263 issues processing models Ensuring Space Station human productivity [AD-A162454] p 181 N86-21144 [IAF PAPER 85-500] p 45 A86-15944 Suppression of antibody forming cells by muramyl 'Actions not as planned' in military air-traffic control Di-peptides p 70 A86-18546 [AD-A162400] p 159 N86-22084

animals

dual-task conditions

human error in complex systems

p 234 A86-31822

p 208 A86-33070

p 260 A86-33792

p 434 A86-49634

Role of dopaminergic systems of neostriatum during the

An experimental approach to validating a theory of

activity of the central nervous system in man

Issues in rule identification and logical induction

Development of a zero-prebreathe spacesuit p 96 A86-19304 How much inherent buoyancy is acceptable in a helicopter passenger immersion suit p 96 A86-19310 Human error in life support operations p 96 A86-19330 Canadian developments in aircrew chemical defence protection p 97 A86-19342 Underlying behavioral parameters of the operation of tough-input devices - Biases, models, and feedback P 98 A86-20110 Your space suit and you - Significance of manipading in pressure suit design [SAE PAPER 851334] p 137 A86-23523 Human Factors Society, Annual Meeting, 28th, San Antonio, TX, October 22-26, 1984, Proceedings. Volumes 1 & 2 p 141 A86-23701 A computer-based system for workstation design and analysis --- for flight crews p 142 A86-23707 Cognitive attributes to guide display design in automated command-and-control systems p 142 A86-23723 Cockpit automation technology p 142 A86-23724 A digital image processing facility for human factors p 143 A86-23737 Space Station crew safety - Human factors model p 143 A86-23742 Development of an automated anthropometric data measurement system (AADMS) p 144 A86-23748 On the pilot's behavior of detecting a system parameter change p 145 A86-25229 Aerospace Behavioral Engineering Technology Conference, 3rd, Long Beach, CA, October 15-18, 1984, Proceedings (SAE P-1511 p 145 A86-26001 Flight deck design methodology using computerized anthropometric models [SAE PAPER 841472] p 146 A86-26003 Al applications to military pilot decision aiding - A perspective on transition [SAE PAPER 841533] p 146 A86-26004 Winging it in the 1980's - Why guidelines are needed for cockpit automation [SAE PAPER 841634] p 147 A86-26022 The decision to fly --- by aircraft pilots **ISAE PAPER 8416131** p 132 A86-26024 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 A workload index for iterative crewstation evaluation p 184 A86-28433 Workload assessment techniques in system redesign p 184 A86-28434 Computer-based tools for cockpit design p 184 A86-28436 Incorporating human operator considerations into existing weapon system analysis and quantification capabilities D 184 A86-28438 Auditory signals in military aircraft - Ergonomic principles versus practice p 185 A86-28442 Advanced spacesuit glove design **[AAS 84-175]** On scaling performance operating characteristics Caveat emptor D 179 A86-28866 Selecting color codes for a computer-generated topographic map based on perception experiments and functional requirements p 237 A86-29866 Luminance contrast requirements for legibility of symbols on computer-generated map displays in aircraft cockpits p 237 A86-29869 Cockpit resource management - Where do we stand? D 229 A86-29898 Professional flightcrew human resource development Developing a Needs Assessment Programme p 232 A86-29915 Simulator instructor task loading - The tide is turning p 233 A86-30362 The rastered eye - Vision in television p 240 A86-32317 The methodology and techniques used in analyses of operator activity --- Russian book D 234 A86-32523 A unifying approach to human pilot modelling p 241 A86-33187 Human Factors Society, Annual Meeting, 29th, Baltimore, MD, September 29-October 3. 1985 roceedings. Volumes 1 & 2 p 259 A86-33776 Methods and systems

performance capabilities

measurement in

methods

An experimental approach to validating a theory of

computer-generated graphic displays

the 'big picture' or is it a miniseries?

human error in complex systems

high

p 267 A86-33791

p 260 A86-33792

[IZF-1985-11]

Helicopter cockpit organization for night vision [SNIAS-852-210-103] p 101 N8

Workload

Decluttering

evaluation

[IZF-1985-10] A peripheral integrated status display - Is it really giving Color on displays. Part 1: The psychophysical and physiological aspects

measuring human p 267 A86-33786 system design and p 267 A86-33787 density p 267 A86-33790

A workload analysis for strategic conventional standoff **Capability** missions p 268 A86-33803 Applicability of using the CAR-II model in design and evaluation of multioperator workstations with shared controls p 268 A86-33805 Human productivity of Space Station p 268 A86-33813 An automated methodology for conducting human factors evaluations of protective garments D 268 A86-33817 A hierarchical model of pilot's procedural behavior for cockpit workload analysis p 263 A86-33983 Behavioral Engineering Aerospace Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, interface **ISAE P-1681** p 269 A86-35426 Workload assessment - Progress during the last [SAE PAPER 851877] p 270 A86-35440 A case for realistic training --- of flight crews combatants [SAE PAPER 851915] p 264 A86-35445 Realistic training for effective crew performance [SAE PAPER 851916] p 264 A86-35446 The case for training for the potentially catastrophic situation [SAE PAPER 851917] p 264 A86-35447 Control errors: Psychological causes - An automated method of analysis -- Russian book p 270 A86-35460 Designing the conditions of life and work of cosmonauts (2nd revised and enlarged edition) --- Russian book p 290 A86-38984 Human factors problems in the tactical air command p 396 A86-44778 The technology impact of the Advanced Technology Crew Protection (ATCP) system on high performance aircraft p 406 A86-44779 Evaluation of man-machine systems: Methods and problems; Symposium, November 14, 15, 1985, Cologne, West Germany, Reports [DGLR-BERICHT 85-04] p 432 A86-47766 sciences User interface description of a gas turbine control (ASME PAPER 86-GT-296) p 433 A86-48309 application Development of a hierarchical multiprocessor control for a polyarticulated mechanical structure used to study human operators subjected to vibrations -- French thesis p 433 A86-48553 The synthesis and analysis of color images [NASA-TM-86844] p 20 N86-10777 Teleoperator human factors study [NASA-CR-176310] p 23 N86-11854 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Alerted monitors: Human operators aided by automated detectors [PB85-222750] p 47 N86-13906 Architect discusses space habitat designs Performance measurement guidelines for research D-A159055] p 71 N86-14891 [AD-A159055] Human factors engineering design criteria for future systems. Design criteria evolving from the Fire Support Team Vehicle (FIST-V) operational test 2 [AD-A158312] p 74 N86-14897 Human-machine interface in mobile teleoperators [DE85-013639] p 75 N86-14900 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Human factors engineering design criteria for future systems. Report number 3: Design criteria evolving from the Multiple Multiple Rocket System (MLRS) operational test 3 [AD-A158316] p 76 N86-15916 Model evalution of spinal injury likelihood for various ejection system paramater variations p 91 N86-16641 Operations research techniques for human factors [AD-A159384] p 99 N86-16904 Operator environment in the nineties [FOA-A-50002-H2] p 99 N86-16905 Human-machine interfaces for teleoperators: An overview of research and development at the Oak Ridge National Laboratory. Consolidated Fuel Reprocessing Program [DE85-017713] p 100 N86-17990 A Computer Aided Design (CAD) system as a tool for the ergonomist in developing man-machine systems

p 100 N86-17993

p 100 N86-17994

p 101 N86-17996

Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] D 154 N86-19946 Human engineering guidelines for the evaluation and assessment of video display units [TI85-016435] p 187 N86-21149 USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-86-002] D 209 N86-23222 Review of book on principles of aviation psychology p 235 N86-23261 Design guidelines for the use of audio cues in computer [DE85-0151761 p 241 N86-23281 The energy cost of combat engineer tasks [AD-A161861] p 223 N86-24195 Human factors engineering and operability in the design of electronic warfare spaces aboard United States Naval [AD-A162251] p 243 N86-24222 Person computer dialogue: A human engineering data [AD-A163074] D 243 N86-24223 Physical, anthropometrical, and body composition characteristics of workers at Kennedy Space Cente [NASA-TM-83102] p 272 N86-25122 Human factors: The Cinderella discipline in cockpit interface design p 294 N86-26825 Baseline experiments in teleoperator control [NASA-TP-2547] p 294 N86-26836 Human factors in rule-based systems [AD-A165309] p 295 N86-26840 Soldier-computer interface [AD-A165326] p 295 N86-26841 Mental models and problem solving with a knowledge-based expert system [AD-A1653981 p 295 N86-26843 USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-86-008] p 278 N86-27869 Analytical techniques of pilot scanning behavior and their [NASA-TP-2525] p 292 N86-27920 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 The effects of expressivity and flight task on cockpit communication and resource management [NASA-CR-177036] p.383 N86-29505 Pilot interaction with automated airborne decision making systems [NASA-CR-177002] p 385 N86-29508 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview p 399 N86-30312 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Human factors activities in teleoperator development at the Oak Ridge National Laboratory [DE86-005160] D 408 N86-30340 Pilot interaction with automated airborne decision making systems A discrete control model of PLANT [NASA-CR-176986] p 408 N86-31220 Making the human-machine interface responsive to many classes of users [DE86-003453] p 409 N86-31222 Basic human factors considerations [DE86-008181] p 409 N86-31223 Human factors management [DE86-008184] p 409 N86-31226 Evaluating space station applications of automation and robotics technologies from a human productivity point of p 409 N86-31412 Striving for natural usage [DE86-009402] p 435 N86-32105 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques [NLR-TR-84116-L-PT-1] p 435 N86-32107 Control loops with human operators in space operations. Part 4: Research requirements for human-in-the-loop space teleoperator development [NLR-TR-84116-L-PT-4] p 435 N86-32109 Control loops with human operators in space operations. Part 5: Executive summary [NLR-TR-84116-L-PT-5] p 435 N86-32110 Human factors research in aircrew performance and trainina [AD-A1677401 p 427 N86-32967 Twenty-First Annual Conference on Manual Control [NASA-CP-2428] p 436 N86-32976

The development and evaluation of color systems for	The human dual visual systems - Their importance in	Effects of wearing NBC (Nuclear, Biological and
airborne applications: Fundamental visual, perceptual and	simulation p 381 A86-40485	Chemical) protective clothing in the heat on detection of
display systems considerations [AD-A168563] p 443 N86-33020	The effects of age, sleep deprivation, and altitude on complex performance	visual signals [AD-A162321] p 224 N86-24202
Human Factors Review Plan	[AD-A156987] p 15 N86-10771	Changes in fitness and shipboard task performance
[DE86-010561] p 444 N86-33023	Studies on human vehicle control	following circuit weight training programs featuring
Control loops with human operators in space operations.  Part 2: Robotics operations and manual control	[B8563352] p 19 N86-10775	continuous or interval running [AD-A163110] p 225 N86-24206
experiment	Car driving as a supervisory control task [B8563351] p 19 N86-10776	Effect of heat and chemical protective clothing on
[NLR-TR-84116-L-PT-2] p 444 N86-33024	Standardization of tasks: Approach planning human	cognitive performance
HUMAN PATHOLOGY  Hypoxia-induced vasopressin release and coagulopathy	performance assessment	[AD-A162001] p 242 N86-24218 Behavioral considerations for space station design
in a normal subject p 60 A86-18844	[IZF-1984-19] p 20 N86-10782	[AD-A163478] p 265 N86-25118
Normal or pathological coronary status - Reflections and	Cognitive science program: Dissociation of the central timekeeper and the peripheral implementation processes	The effect of cold training and the wearing of gloves
practical experiences for expertise with flight personnel p 282 A86-39774	in repetitive movements	on manual performance in the cold: A comparison of pure ability and operational tasks
Significance of vestibular recruitment and directional	[AD-A157542] p 21 N86-11852	[AD-A163893] p 273 N86-25124
dominance of nystagmus in diagnostic tests	Human cognition and performance [AD-A157665] p 42 N86-12970	Normal and abnormal human vestibular ocular
p 62 N86-14864 HUMAN PERFORMANCE	A new hazard function estimator of performance time	function [NASA-CR-176820] p 257 N86-25978
Control of exercise hyperpnea during hypercapnia in	[AD-A157843] p 42 N86-12971	Fluid-Electrolyte-Mineral interrelations as affecting work
humans p 7 A86-10105	The spatial and temporal parameters of velocity	performance [AD-A165325] p 282 N86-26799
Performance and physiological effects of acceleration-induced (+Gz) loss of consciousness	discrimination [AD-A158735] p 43 N86-13896	Permanent visual change associated with punctate
p 8 A86-10253	Benzodiazepine activity: Daytime effects and the sleep	foveal lesions p 284 N86-26823
A rule-based model of human problem-solving behavior	EEG	Effects of atropine sulfate on aircrew performance [AD-A165063] p 290 N86-27919
in dynamic environments p 70 A86-17772 An empirical demonstration of multiple resources	[AD-A158702] p 63 N86-14879	[AD-A165063] p 290 N86-27919 Inexpert calibration of comprehension
p 141 A86-23703	Performance measurement guidelines for research [AD-A159055] p 71 N86-14891	[AD-A165701] p 382 N86-28617
The detection and identification of pictorial changes	Team performance with large and small screen	Model-based approaches for partitioning subjective
between successive presentations p 129 A86-23721 Personality differences as a moderator of mental	displays	workload assessments [NASA-CR-177030] p 382 N86-29504
workload behavior - Mental workload performance and	[AD-A158761] p 75 N86-14899	The effects of expressivity and flight task on cockpit
strain reactions as a function of cognitive complexity	USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985	communication and resource management [NASA-CR-177036] p 383 N86-29505
p 130 A86-23732 Space Station crew safety - Human factors model	[JPRS-USB-85-006] p 56 N86-15865	[NASA-CR-177036] p 383 N86-29505 The effect of spectrally selective filters on visual search
p 143 A86-23742	Some aspects of determining human physical work	performance
The effect of intervening task performance on subjective	capacity under hyperbaric conditions p 76 N86-15867	[AD-A165835] p 404 N86-30329
workload ratings p 144 A86-23746 European Annual Conference on Human Decision	Some effects of alcohol and simulated altitude on complex performance scores and breathanalyzer	An investigation of the use of steady-state evoked potentials for human performance and workload
Making and Manual Control, 4th, Zeist, Netherlands, May	readings	assessment and control
28-30, 1984, Proceedings p 183 A86-28285	[AD-A158925] p 68 N86-15905	[AD-A166205] p 404 N86-30332 The effects of color-coding in GEOSIT (geographical
A workload index for iterative crewstation evaluation p 184 A86-28433	A comparison of the effects of circuit weight training on men and women	situational) displays. 2: Redundant versus non-redundant
Workload assessment techniques in system redesign	[AD-A159419] p 69 N86-15910	color-coding
p 184 A86-28434	Variations in state of vigilance during continuous	[AD-A166263] p 405 N86-30334 Activities report in perception research
Effects of task difficulty and learning strategies in multiple-task training p 178 A86-28451	operations at a command post [DRIC-T-7503] p 95 N86-16900	[IPO-19-1984] p 405 N86-30335
Review and evaluation of empirical research in	Photosimulation of target acquisition in the presence	Attention tasks and their relation to aging and flight
troubleshooting	of smoke: A pilot study	experience [IZF-1986-4] p 405 N86-30337
[AD-A168660] p 186 A86-28865 On scaling performance operating characteristics -	[IZF-1984-36] p 95 N86-17986 Night vision manual for the flight surgeon	[IZF-1986-4] p 405 N86-30337 Induced erythrocythemia and maximal aerobic power:
Caveat emptor p 179 A86-28866	[AD-A159720] p 114 N86-18961	An examination of modifying factors
POCs and performance decrements - A reply to	Prediction modeling of physiological responses and	[AD-A166522] p 402 N86-31212 Basic human factors considerations
Kantowitz and Weldon p 179 A86-28867 A review of the psychological aspects of space flight	human performance in the heat [AD-A160513] p 115 N86-18965	[DE86-008181] p 409 N86-31223
p 179 A86-29090	An experimental trial to test the efficacy of temazepam	Impact of the human on system safety analysis
Helicopter-control-referenced strength capabilities of	to induce sleep and improve subsequent performance	[DE86-008182] p 409 N86-31224 Process of task analysis
small individuals p 213 A86-29855 Causes of dissociation between subjective workload	during partial sleep deprivation and circadian rhythm desynchronosis	[DE86-008183] p 409 N86-31225
measures and performance - Caveats for the use of	[AD-A160795] p 116 N86-18972	Human factors management
subjective assessments p 238 A86-29875	A study of the flight environment component of aircrew	[DE86-008184] p 409 N86-31226 Artificial intelligence and the Rule Oriented System
Human performance aspects of accident investigation p 233 A86-29931	fatigue in student navigators [AD-A160796] p 117 N86-18973	Simulation (ROSS) language military commanders
Progress in human performance accident investigation	A comparison of dichotic listening task scoring	p 427 N86-32097
p 233 A86-29932	methods	Auditory versus visual selective-attention tasks [IZF-1985-19] p 427 N86-32100
Critical impact and acceleration loading to the head p 214 A86-30381	[AD-A159920] p 133 N86-18980 Physical fitness as a moderator of cognitive work	Human problem solving in fault diagnosis tasks
Modification of the resting oxygen consumption level	capacity and fatigue onset under sustained combat-like	[AD-A167397] p 434 N86-32104
of biological body and its tissues, during prolonged	operations	A simulation study of the effects of sleep deprivation, time of watch and length of time on watch on watchstanding
hypodynamics exposure p 194 A86-30398  The relation between the Type A behavior pattern,	[AD-A160417] p 134 N86-18982 System development and evaluation technology: State	effectiveness
pacing, and subjective workload under single- and	of the art of manned system measurement	[AD-A167729] p 424 N86-32956
dual-task conditions p 234 A86-31822 Automatic and controlled processing approach to	[AD-A160418] p 134 N86-18983	Human factors research in aircrew performance and
interpreting vigilance performance p 259 A86-33777	Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers	training [AD-A167740] p 427 N86-32967
Information processing in vigilance performance -	p 122 N86-19863	Complex monitoring performance and the
Complexity revisited p 259 A86-33778	An investigation into peer and supervisor differences	coronary-prone type A behavior pattern [AD-A168240] p 428 N86-32971
To speak or not to speak - A multiple resource perspective p 259 A86-33784	in the observation of performance-related behaviors [AD-A160819] p 135 N86-19898	Twenty-First Annual Conference on Manual Control
Methods and systems for measuring human	On the analysis and design of human information	[NASA-CP-2428] p 436 N86-32976
performance capabilities p 267 A86-33786	processing organizations	Analytical comparison of transient and steady state
Age-dependent changes in information processing	[AD-A161015] p 136 N86-19902 The influence of quality circles on attitudinal outcomes	visual evoked cortical potentials p 436 N86-32978  The effects of acceleration stress on human workload
abilities between 20 and 60 years p 260 A86-33788  Helicopter crew evaluations on the effects of vibration	among civil engineering personnel	and manual control p 437 N86-32984
on performance p 260 A86-33800	[AD-A161152] p 136 N86-19905	At least some errors are randomly generated (Freud was wrong) p 438 N86-32989
Zonal differentiation of performance under heat stress	Meteorotropic determinants of road collisions and accidents p 165 N86-21022	was wrong) p 438 N86-32989 Hitts Law? A test of the relationship between information
of humans p 251 A86-33801	Attention allocation, distraction, and the type A/Type	load and movement precision p 440 N86-32998
Human productivity of Space Station p 268 A86-33813	B behavior pattern	Some computational techniques for estimating human operator describing functions p 441 N86-33007
Assessing the human performance envelope - A brief	[AD-A160671] p 180 N86-21141 Visual perception in correlated noise	Manual control of unstable systems
guide	p 181 N86-22106	p 441 N86-33008
[SAE PAPER 851776] p 263 A86-35428	Health and performance of antarctic winter-over	A design guide for visual displays and manual tasks in vibration environments. Part 1: Visual displays
Human performance simulation - Combining the data p 381 A86-40480	personnel: A follow-up study [AD-A161773] p 182 N86-22109	[ISVR-TR-133-PT-1] p 442 N86-33014
	•	

ligation

p 393 A86-45960

Template-directed oligonucleotide

SUBJECT INDEX A design guide for visual displays and manual tasks in vibration environments. Part 2: Manual tasks [ISVR-TR-134] n 443 N86-33015 **HUMAN REACTIONS** Enhanced metabolic response to exercise-trained human subjects p caffeine p 7 A86-10106 Effect of head-down tilt on basal plasma norepinephrine and renin activity in humans p 11 A86-12377 Thermoregulation in man under thermal stre p 89 A86-22541 Techniques of subjective workload assessment - A comparison of two methodologies p 238 A86-29877 Shadow mask display visibility - Human thresholds for perception of misconvergence effects p 268 A86-33798
An investigation of the 'von Restorff' phenomenon in post-test workload ratings

p 261 A86-33798 Human thermoregulatory responses to cold air are altered by repeated cold water immersion p 281 A86-39094 Pulmonary gas exchange in humans during exercise at ea level p 281 A86-39095 sea level A comparison of postural equilibrium effects following exposure to different ground-based flight trainers p 418 A86-47754 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 The role of vibration and rattle in human response to helicopter noise [AD-A1624861 p 182 N86-22110 Human reactions to transient electric currents [PB86-117280] p 222 N86-23277 individual parameters in thermoregulatory control; a review --- plasma diagnostics [IZF-1985-26] p 283 N86-26801 Application of portable microprocessor-based system for electrophysiological field testing of neurotoxicity p 379 N86-28615 The effects of stimulus modality and task integrality: Predicting dual-task performance and workload from single-task levels p 436 N86-32981 HUMAN RELATIONS 'Captain I was trying to bring up the fact that you made a mistake earlier' - Deference and demeanor at 30,000 pet p 229 A86-29894 Implications of privacy needs and interpersonal distancing mechanisms for space station design [NASA-CR-176938] p 408 N86-30338 **HUMAN RESOURCES** Professional flightcrew human resource development Developing a Needs Assessment Programme p 232 A86-29915 **HUMAN TOLERANCES** Prediction of human physical work capacity in high-temperature environments p 34 A86-15522 Effect of simulated weightlessness on exercise-induced anaerobic threshold p 250 A86-33756 Regional tolerance to impact acceleration [SAE PAPER 850852] p 293 A86-38512 Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p 13 N86-10750 Neutron effects in humans: Protection considerations [DE85-015047] p 64 N86-14882 Human reactions to transient electric currents [PB86-117280] p 222 N86-23277 HUMAN WASTES Wet oxidation of a spacecraft model waste [SAE PAPER 851372] p 140 A86-23555 Solid waste treatment processes for space station P 47 N86-14091 The development of an unconventional food regeneration process: Quantifying the nutritional regeneration process: Quantifying the nutritional components of a model methylotrophic yeast p 151 N86-19928 HUMIDITY Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 p 166 N86-21029 Weather and asthma symptoms Meteorotropic changes of cardiac patients' blood pressure and pulse frequency during a complex bath CHILE p 166 N86-21031 Weather and subjective health complications in cardiac patients

Croup syndrome and asthmatic airway troubles

p 258 N86-25989

[AD-A1688501

temperature and humidity combinations

[AD-A162026]

exercising adults [PB86-156940]

Optimization of controlled environments for hydroponic production of leaf lettuce for human life support in p 167 N86-21032 Immission and weather effects on children's airway HYDROTHERMAL SYSTEMS troubles in Berlin (1979-1982). Time series investigations: Mesophilic manganese-oxidizing hydrothermal discharge areas at 21 deg North on the East p 168 N86-21044 Effectiveness of an air-cooled vest using selected air Thermophilic archaebacteria occurring in submarine hydrothermal areas p 242 N86-24219 HYDROXIDES Health effects of ambient ozone exposure in vigorously Elementary design guidelines for CO2 scrubbing with LiOH, technical manual

An environmentally-controlled extended-use small HYDROXYL COMPOUNDS animal hypobaric chamber [AD-A166729] p 398 N86-30307 hydroxylapatite Effects of 60 Hz electric field on operant and social stress behaviors of nonhuman primates [DE85-016121] P 411 N86-30346 HUMIDITY MEASUREMENT Performance and endurance testing of a prototype carbon dioxide and humidity control system for Space Shuttle extended mission capability [SAE PAPER 851374] p 140 A86-23557 Human bioclimatic classification methods illustrated with examples of selected countries p 169 N86-21058 HYDRATION Effect of hydration on some orthostatic and haematological responses to head-up tift p 419 A86-49225 HYDRAULIC FLUIDS Toxic hazards research unit annual technical report: 1985 [AD-A161558] p 176 N86-22097 Acute toxicity studies on 2 Air Force hydraulic fluids (MLO 82-233 and MLO 82-585) [AD-A163174] p 258 N86-25984 HYDRAZINES Toxic hazards research unit annual technical report: 1985 [AD-A161558] p 176 N86-22097 HYDROCARBON COMBUSTION Factors influencing carboxyhemoglobin stability [AD-A165032] p 289 N86-27918 HYDROCARBON POISONING USAF toxicology research on petroleum and shale-derived aviation gas turbine fuels
[ASME PAPER 85-GT-34] p 80 A86-22023 **HYDROCARBONS** Health and Environmental Effects of Complex Chemical **Mixtures** [DE85-016336] p 92 N86-16892 HYDROCHLORIDES Acute oral toxicity (LD50) of guanidine hydrochloride in (AD-A165747) p 376 N86-28608 HYDROCYANIC ACID Photochemistry of methane and the formation of hydrocyanic acid (HCN) in the earth's early atmosphere p 243 A86-30697 Energy yields in the prebiotic synthesis of hydrogen cyanide and formaldehyde p 300 N86-26863 HYDROGEN Biosynthetic porphyrins and the origin photosynthesis p 306 N86-26894 Evaluation of the use of hydrogen-oxygen as a breathing gas in deep-sea diving [AD-A165797] p 380 N86-29499 HYDROGEN BONDS Base pairing and base mis-pairing in nucleic acids p 304 N86-26881 HYDROGEN CHLORIDES Acute oral toxicity (LD50) of guanidine hydrochloride in [AD-A165747] p 376 N86-28608 HYDROGEN PRODUCTION Static feed water electrolysis system for Space Station O2 and H2 generation [SAE PAPER 851339] p 138 A86-23526 Characterization and optimization of hydrogen production by a salt water blue-green alga Oscillatoria sp. Miami BG 7. II - Use of immobilization for enhancement of hydrogen production p 156 A86-28860 Hydrogen production from salt water by Marine blue green algae and solar radiation p 245 A86-34985 Method for improving product yields in an anionic metalloporphyrin-based artificial photosynthesis system [DE85-0177231 p 85 N86-17978 HYDROLYSIS Dicyclohexylcarbodiimide-sensitive **ATPasa** Halobacterium saccharovorum p 49 A86-16902 HYDROPONICS Electrochemical control of pH in a hydroponic nutrient p 150 N86-19918

p 152 N86-19936

p 51 A86-18032

D 51 A86-18034

p 444 N86-33022

from

rats following immobilization stress

bacteria

HYDROXYL RADICALS Health hazard evaluation of liquid monopropellants.
Phase 4. Subchronic inhalation of hydroxylammonium nitrate, January 1985 [AD-A157623] D 17 N86-11844 HYGIENE A handbook of radiation dosimetry and hygiene Russian book D 25 A86-13457 A study to define a set of requirements for cleansing agents for use in the Space Station whole body shower [NASA-CR-171910] p 99 N86-16903 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 HYOSCINE Transdermal scopolamine - Human performance and side effects p 163 A86-29094 HYPERBARIC CHAMBERS Plasma volume and estimated liver plasma flow during hyperbaric and hyperoxic exposures in awake dogs p 52 A86-18841 Tissue gas bubble dynamics during hypobaric exposures [SAE PAPER 851337] p 111 A86-23525 Disturbances in the night sleep structure and organization and their significance adaptive-recuperation processes p. 217 the p 217 A86-32875 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 Increased inotropi of the heart in normoxic hyperbaric atmosphere p 123 N86-19869 Hyberbaric oxygen in the treatment of Bell's palsy p 124 N86-19870 Ultrasonic detection of circulating bubbles in ewes exposed to simulated dives deeper than 800 msw under isobaric conditions and with unchanged gas mixtures p 125 N86-19882 **HYPERCAPNIA** Control of exercise hyperpnea during hypercapnia in humans p 7 Responses of bulbospinal and laryngeal respiratory neurons to hypercapnia and hypoxia p 3 A86-12381 Changes in antidromic latencies of medullary respiratory neurons in hypercapnia and hypoxia p 3 A86-12382 Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753 Ventilatory responses of hamsters and rats to hypoxia As 20005

Skeletal muscle lactate release and glycolytic intermediates during hypercapnia p 155 A86-28124

Dynamics of the salivary electrolyte composition and renal excretory function during human adaptation to an altered gaseous environment altered gaseous environment

Dynamics of general resistance of rats during readaptation period after training in altered gas environment

P 2 10 rats during in altered gas p 6 N86-10767 Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 Predictors of periodic breathing at altitude [AD-A167947] p 424 N86-32957 **HYPEROXIA** Effects of 100 percent oxygen on the cardiovascular responses to vasoactive compounds in the dog Plasma volume and estimated liver plasma flow during hyperbaric and hyperoxic exposures in awake dogs p 52 A86-18841 Effect of hyperoxic gas mixtures on oxygen mass transfer through the hematoparenchymatous barrier p 103 A86-23492 Solute conductance of blood-gas barrier in hamsters exposed to hyperoxia p 391 A86-44195 Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847 Effects of intermittent exposure to hyperoxia in perational diving p 123 N86-19868 operational diving p 123 N86-19868 Review of modified hemoglobin solutions for use as temporary blood substitutes
[AD-A164210] p 256 N86-25114 A small oxygen concentrator [AD-A163145] p 273 N86-25993 Factors influencing carboxyhemoglobin stability [AD-A165032] p 289 N86-27918 HYPERPNEA Control of exercise hyperpnea during hypercapnia in humans p 7 A86-10105 HYPERTENSION Catecholamine content of single brain nuclei in August

P 3 A86-12521

**HYPERTHERMIA** Typological analysis of central and peripheral hemodynamics during orthostasis in normal subjects and in patients with arterial hypertonia p 33 A86-15515
Types of work capacity and the frequency of the development of ischemic heart disease and hypertonic p 34 A86-15516 The risk of arterial hypertension and the features of functional brain asymmetry in workers employed in regularly repeated expedition-type work р 88 А86-22534 Plasma renin concentration (PRC) of rats orbited for 7 avs aboard NASA Spacelab 3 p 205 A86-30478 days aboard NASA Spacelab 3 Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted neutral-temperature dry immersion in water p 61 N86-14854 Effect of positive pressure breathing on hemodynamics in patients with borderline hypertension submitted to water p 61 N86-14855 HYPERTHERMIA Correlation between plasma fibronectin level and cperimental rat heat stress mortality [AD-A1609431 n 1 A86-10101 Exercise hyperthermia as a factor limiting physical Temperature effect on muscle p 1 A86-10104 metabolism Thermal stress imposed on pilots by NBC protective clothing --- Nuclear-Biological-Chemical p 44 A86-13571 Effect of exposure to heat, hypoxia, cold, acceleration, and vibration stress on the total blood sulfhydryl groups in human subjects p 33 A86-14319 Mode of neural control mediating rat tail vasodilation uring heating p 28 A86-16055 Effects of psychotropic drugs on thermal responses to during heating p 59 A86-18838 radiofrequency radiation The effect of skill on performance under an environmental stressor p 94 A86-20408 training ng by graded p 89 A86-22538 Heat adaptation during hyperthermia Effect of wearing chemical protective clothing in the heat on signal detection over the visual field p 145 A86-25657 [AD-A164945] -- of humans high altitude of 5,600 m

Zonal differentiation of performance under heat stress p 251 A86-33801 Cutaneous vascular responses to heat simulated at a p 252 A86-36219 Substantiation of physiological criteria for assessing the functional status of the human body in high-temperature p 255 A86-36532 Human adaptation to antagonistic environmental p 255 A86-36535 The effect of high temperature on the heat exchange and the nutritional status of pilots p 397 A86-45325 Short term heat effect on adreno- and cholino-sensitivity rat's small intestine p 4 N86-10754
Vestibular resistance and blood circulation changes in of rat's small intestine orthostatic position during hyperthermia

p 14 N86-10758 Change of RNA and protein level in neurons-glia system under effects of hyperthermia and hypoxia p 278 N86-27877

## HYPERVELOCITY IMPACT

The viability with respect to temperature, of micro-organisms incident on the earth's atmosphere p 410 A86-44358

## HYPERVENTILATION

The effects of cerebral hypoxia and hyperventilatory hypocapnia on the epileptiform activity in the cerebral p 392 A86-45318 cortex of cats Respiratory response and muscle function during

isometric handgrip exercise at high altitude p 223 N86-24198 [AD-A1620031]

Predictors of periodic breathing at altitude

[AD-A167947] p 424 N86-32957

Effect of oxygen flow on passenger face mask p 443 N86-33021 AD-A1688321

HYPNOSIS

Zopiclone's residual effect upon actual driving performance versus those of nitrazepam

flunitrazepam FVK\_84\_101 p 423 N86-32954

# HYPOBARIC ATMOSPHERES

Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber

p 31 A86-13572

Aldosterone, cortisol, and electrolyte responses to hypobaric hypoxia in moderate-altitude natives

p 32 A86-14316 Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under reduced barometric pressure p 80 A86-21454 Tissue gas bubble dynamics during hypobaric

[SAE PAPER 851337] p 111 A86-23525

A blitz of bends - Decompression sickness in four students after hypobaric chamber training

p 378 A86-41790

Alteration of rat brain catecholamine levels under p 391 A86-43540 An environmentally-controlled extended-use small

animal hypobaric chamber [AD-A166729] p 398 N86-30307

#### HYPOCAPNIA

Ventilatory acclimatization to hypoxia is not dependent p 206 A86-30683 on cerebral hypocapnic alkalosis The effects of cerebral hypoxia and hyperventilatory hypocapnia on the epileptiform activity in the cerebral p 392 A86-45318 cortex of cats Effect of hypocapnia on ventral medullary blood flow

p 413 A86-47869 and pH during hypoxia in cats Possibility of optimizing respiratory activity by means of p 420 A86-49266 biocontrol

#### HYPODYNAMIA

Recovery in skeletal muscle contractile function after prolonged hindlimb immobilization p 1 A86-10109 Biochemical response to chronic shortening in unloaded

p 3 A86-12380 soleus muscles Effects of suspension hypokinesia/hypodynamia on rat p 26 A86-14313 skeletal muscle

The effect of a weak variable ultralow-frequency magnetic field on the development of hypercoagulation syndrome in rats caused by restricted mobility

p 79 A86-19300 Regulation of hematopoiesis in rats exposed to antiorthostatic hypokinetic/hypodynamia. II - Mechanisms of the 'anemia' p 80 A86-20404

Modification of the resting oxygen consumption level of biological body and its tissues, during prolonged hypodynamics exposure p 194 A86-30398 hypodynamics exposure Altered carbohydrate metabolism in the whole body

p 199 A86-30431 suspended rat Metabolism of amino acids by the atrophied soleus of p 374 A86-43442 tail-casted, suspended rats

Models of disuse - A comparison of hindlimb suspension nd immobilization p 391 A86-44196 Effects of hypodynamia and neuroemotional stress on and immobilization

the performance of circulatory and respiratory systems p 422 A86-49919 during muscular work

### HYPOKINESIA

Effects of suspension hypokinesia/hypodynamia on rat skeletal muscle p 26 A86-14313 Blood circulation changes in the carotid arteries pool antiorthostatic p 27 A86-15513 antiorthostasis and caused by hvpokinesia

Regulation of hematopoiesis in rats exposed to antiorthostatic hypokinetic/hypodynamia. II - Mechanisms p 80 A86-20404

of the 'anemia' Effect of rotopositioning on the growth and maturation of mandibular bone in immobilized Rhesus monkeys

p 106 A86-25659 Possible mechanism for changes metabolism in unloaded soleus muscle

p 198 A86-30427 Altered carbohydrate metabolism in the whole body uspended rat p 199 A86-30431

suspended rat Changes in muscle protein composition induced by disuse atrophy - Analysis by electrophoresis two-dimensiona p 200 A86-30440 Hypokinezia and space flight reflected on rats

p 200 A86-30442 Hemodynamic correlates of immobilization stress in p 373 A86-43423

Effect of inactivity and passive stretch on protein turnover in phasic and postural rat muscles

p 413 A86-47871 Functional state of the pancreas under conditions of p 421 A86-49271 prolonged bed rest

The frequency of sister chromatid exchanges in blood p 421 A86-49272 cells under prolonged hypokinesia Study of hypokinesia and acceleration effects on human p 12 N86-10740

USSR report: Space Biology and Aerospace Medicine, volume 19, no. 5, September - October 1985

[JPRS-USB-85-007] p 54 N86-14848 Human body biomechanics and movements after 120-day antiorthostatic hypokinesia p 60 N86-14851 Functional activity of human serotoninergic and histaminergic systems during long-term antiorthostatic hypokinesia p 60 N86-14852

Body position during hypokinesia, and fluid-electrolyte metabolism p 60 N86-14853 Roentgenological and pathomorphological changes in

heart of dogs submitted to hypokinesia for six months p 54 N86-14856 Effect of 24,25-dihydroxycholecalciferol on amino acid

metabolism of hypokinetic rats netabolism of hypokinetic rats p 55 N86-14869 Combined effects of stressors on the level of spinal p 62 N86-14871 reflex arc structures

Investigation of some aspects of human amino acid metabolism during 120-day antiorthostatic hypokines

p 65 N86-15873 Effect of 7-day immersion hypokinesia on characteristics Intensity of lipid peroxidation in hypokinetic rat tissues

p 56 N86-15876 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic recursor cells in immobilized rats p 56 N86-15877 Mitochondrial manifestations of stress and response to precursor cells in immobilized rats hormonal stimulation and hydroaeroions

p 84 N86-16885 Vestibular function in older individuals submitted to antiorthostatic hypokinesia for 30 days

p 172 N86-21116 Effect of immersion hypokinesia on characteristics of programmed voluntary movements p 173 N86-21119 Effect of restricted motor activity on alanine level in p 173 N86-21122 human plasma

Effect of weightlessness and some of its models on mechanical properties of animal bones submitted to rsion p 173 N86-21123 Role of vitamin D3 active metabolites in regulation of torsion

calcium metabolism in hypokinetic rats p 174 N86-21124 Comparison of bone reactions of rats submitted to

clinostatic and antiorthostatic hypokinesia p 174 N86-21125

Some human reactions during 7-day antiorthostatic p 286 N86-27885 Collagen, lipid and glycogen content of rat skeletal muscles in recovery period after 15- and 30-day p 279 N86-27886 Morphological and biochemical investigation of rat

adrenocortical function during long-term hypokinesia p 279 N86-27889

Effect of diphosphonates on bones of hypokinetic rats p 279 N86-27890 Weightlessness simulation: Physiological changes in fast

and slow muscle NASA-CR-176945] p 380 N86-29498

#### HYPOMETAROLISM

Neurochemical basis of chemical thermoregulation and artificial hypobiosis A86-15521 Hypobiosis and functional resistance to cold

p 206 A86-30897 **HYPOTENSION** Spacelab life sciences flight experiments - An integrated

approach to the study of cardiovascular deconditioning and orthostatic hypotension [IAF PAPER 85-316]

#### HYPOTHALAMUS

Heat sensitivity of the medial preoptic region of the hypothalamus during seasonal adaptation and

p.36 A86-15826

acclimatization to high ambient temperature p 26 A86-14594

Stimulation of brain muscarinic acetylcholine receptors acutely reverses radiogenic hypodipsia p 156 A86-29096 [AD-A167057]

Effect of weightlessness on the development of neurosecretory structures of hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 Neurophysiological research supporting

investigation of adaptive network architectures
[AD-A166074] p 405 p 405 N86-31216

# HYPOTHERMIA

Changes in the vascular functions of skeletal muscles due to acute hypothermia p 3 A86-12522 Cold water immersion test of prototype anti-exposure suits for aircrews p 44 A86-13942

Effect of exposure to heat, hypoxia, cold, acceleration, and vibration stress on the total blood sulfhydryl groups in human subjects p 33 A86-14319 Neurochemical basis of chemical thermoregulation and p 27 A86-15521 artificial hypobiosis

Neurochemical mechanisms of artificial hypobiosis and hemical thermoregulation p 27 A86-15525 chemical thermoregulation

Immersion cooling - Effect of clothing and skinfold [AD-A163427] p 59 A86-18837

Hand grip strength decrease related to hand skin temperature drop during six-hour ice cold water p 86 A86-19348

Comparative cold responses of men and women to external and internal cold stimulip 87 A86-20403

Defense strategies against hypoxia and hypothermia p 81 A86-22258

Afterdrop of body temperature during rewarming - An alternative explanation p 162 A86-28122 Ship/rig personnel abandonment and helicopter crew/passenger immersion suits - The requirements in the p 187 A86-29100

Oxygen consumption during cold exposure at 2.1 G in rats adapted to hypergravic fields p 199 A86-30432

Hypobiosis and functional resistance to cold p 206 A86-30897 Partial recovery of neutrophil functions during prolonged hypothermia in pigs D 246 A86-36220 Human adaptation to antagonistic environmental factors ctors p 255 A86-36535 Human thermoregulatory responses to cold air are altered by repeated cold water immersion D 281 A86-39094 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319 The changing face of constant wear anti-exposure protection --- of Naval aircrewmen against immersion hypothermia p 431 A86-47749 Effect of nerve block on response of forearm blood flow o local temperature p 418 A86-47873 Intradiurnial organization of wakefulness-sleep equence and energy metabolism in rats exposed to low to local temperature ambient temperature p 5 N86-10764
A comparison of the protection against immersion hypothermia provided by Coast Guard anti-exposure clothing in calm versus rough seas [AD-A158413] p 75 N86-14898 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] p 6 D 68 N86-15904 The role of endorphins in the pathophysiology of hemorrhagic and endotoxic shock in the subhuman [AD-A162483] p 177 N86-22100 Perceptual and physiological responses during exercise in cool and cold water [AD-A1654911 p 283 N86-26800 Study of brain biochemistry during hypothermia p 285 N86-27875 Intrinsic alteration of the reactive properties of arteries during hypothermia [AD-A166523] p 402 N86-31213 HYPOTHESES Hypothesizing and refining causal models [AD-A158165] p 43 N86-13893 HYPOVENTILATION Low acute hypoxia ventilatory response and hypoxic p 252 A86-36224 Development of countermeasures for use in space

depression in acute altitude sickness **HYPOVOLEMIA** 

missions --- to adaptive response to space flight [IAF PAPER 85-327] p 36 A86-15832 The effect of enkephalins on metabolic parameters of rats in the presence of acute experimental blood loss

p 81 A86-22546 Continuous blood densitometry - Fluid shifts after graded

hemorrhage in animals HYPOXEMIA p 392 A86-45251 Aldosterone

response to angiotensin II during hypoxemia p 418 A86-47870 Advances in radiobiological research: Нурохіс irradiation effects p 57 N86-15894 External respiration, gas exchange, and blood oxygen parameters in acute methemoglobinemia [DRIC-T-7663]

p 415 N86-32082 HYPOXIA Role of hemoglobin P50 in O2 transport during normoxic

and hypoxic exercise in the dog nd hypoxic exercise in the dog p 1 A86-10103 Biological parameters in Japanese quali genetically selected for resistance or sensitivity to an acute hypoxic survival D 2 A86-10256

The effects of mild hypoxia on a logical reasoning task p 18 A86-10261 Responses of bulbospinal and laryngeal respiratory

neurons to hypercapnia and hypoxia p 3 A86-12381 Changes in antidromic latencies of medullary respiratory neurons in hypercapnia and hypoxia p 3 A86-12382 Aldosterone, cortisol, and electrolyte responses to hypobaric hypoxia in moderate-altitude natives P 32 A86-14316

Effect of exposure to heat, hypoxia, cold, acceleration, and vibration stress on the total blood sulfnydryl groups in human subjects p 33

Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753 Analyses of maximum cardiopulmonary performance during exposure to acute hypoxia at simulated altitude -

Sea level to 5000 meters (760-404 mm Hg) p 60 A86-18839 Effect of fasting on hypoxia tolerance of mice in relation

to oxygen consumption and heart rate p 52 A86-18840 Hypoxia-induced vasopressin release and coagulopathy in a normal subject p 60 A86-18844 Ventilatory responses of hamsters and rats to hypoxia and hypercapnia p 79 A86-20005

Changes in immunoreactivity during adaptation to intervals of hypoxic hypoxia p 80 A86-21451 Mechanical resistance of erythrocytes and oxygen mass transport in hypoxic states due to different conditions

p 88 A86-21452 The distinctive features of the energetic metabolism, glycolysis, and tissue respiration of the myocardium in rats having high and low resistance to hypoxia

p 80 A86-21455 Defense strategies against hypoxia and hypothermia

p 81 A86-22258 Microcirculatory changes in rats with burn shock following adaptation to high-altitude hypoxia

p 81 A86-22547 Increased resistance of the brain to hypoxia due to a combination of lithium hydroxybutyrate and indomethecine domethacine p.81 A86-22548
The electrokinetic properties of cell nuclei in the human

buccal epithelium in conditions of motion sickness and hypoxia D 90 A86-22549

Resistance, exchange and capacitance functions of skeletal muscle vessels in the presence of acute hypoxic hvpoxia p.81 A86-22593 The effect of short term hypoxia on body temperature

and lactic acid in blood p 81 A86-22595 Changes in glycolytic intermediates in rat erythrocytes during exposure to simulated high altitude

D 156 A86-29097 Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257

Somatostatin inhibits the ventilatory response to hypoxia humans p 216 A86-30681 Carotid bodies are required for ventilatory acclimatization to chronic hypoxia

p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent a cerebral hypocapnic alkalosis p 206 A86-30683 on cerebral hypocapnic alkalosis Mild hypoxia and visual performance with night vision goggles p 249 A86-33755

Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia D 246 A86-35863

Changes in the contractile and electrical activities of the rat myocardium under the effect of verapamil under insufficient oxygenation p 246 A86-35939 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia

Cutaneous vascular responses to heat simulated at a high altitude of 5,600 m D 252 A86-36219

Time course of muscular blood metabolites during forearm rhythmic exercise in hypoxia

p 252 A86-36222 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites D 246 A86-36223 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness

p 252 A86-36224 Response of enlarged alveolar vessels to acute p 378 A86-41785 Alteration of rat brain catecholamine levels under

hypoxia p 391 A86-43540 The effects of cerebral hypoxia and hyperventilatory hypocapnia on the epileptiform activity in the cerebral cortex of cats

ortex of cats p 392 A86-45318
The effect of hypoxia on the dynamics of the peripheral lymph flow p 393 A86-45323 The content of lactic acid in the blood and erythropoiesi during hypoxia

P 393 A86-45324 Effect of hypocapnia on ventral medullary blood flow and pH during hypoxia in cats nd pH during hypoxia in cats p 413 A86-47869 Changes in the blood coagulation system of rabbits

under conditions of acute hypoxia and some methods of its correction p 414 A86-49368

Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure

p 5 N86-10760 Indices of blood oxygen transporting properties and after prolonged erythropoiesis in rats stav in nitrogen-oxygen mixture at elevated pressure

p 5 N86-10761 Dynamics of general resistance of rats during readaptation period after training in altered gas environment p 6 N86-10767

Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787

Cumulative effect of coriolis accelerations on coronary emodynamics p 61 N86-14861

Combined effects of stressors on the level of spinal reflex arc structures D 62 N86-14871

Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873

Man's tolerance to fulminant form of hypoxic hypoxia p 66 N86-15879

Some aspects of human amino acid metabolism at high altitude p 175 N86-21136 Hypoxia prophylaxis against radiation injury

D 220 N86-23244

Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198

Change of RNA and protein level in neurons-glia system under effects of hyperthermia and hypoxia p 278 N86-27877

Effect of dibasol and some of its imidazo analogues on animal tolerance to gravitational accelerations and dynamics of development of postischemic cerebrovascular p 279 N86-27896

Resistance, exchange, and capacitance functions of skeletal muscle vessels in acute hypoxic hypoxia

p 379 N86-28611 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro p 388 N86-29524 Hypobaric

training of flight personnel without compromising quality of life p 401 N86-30327 External respiration, gas exchange, and blood oxygen

rameters in acute methemoglobinemia [DRIC-T-76631 p 415 N86-32082 Altitude acclimatization (ventilation and chemoresponsiveness) during refulness and sleep

[AD-A167738] p 423 N86-32091 Effect of oxygen flow on passenger face mask performance [AD-A168832] p 443 N86-33021

IDENTIFYING

Overall similarity and identification separable-dimension stimuli - A choice model analysis p 133 A86-26296

Identification of vaccine resistant isolates of bacillus

[AD-A162002] p 212 N86-24187 Macrophage structure and function

[AD-A163314] p 276 N86-26793

ILLUMINANCE

The detection of various color combinations under different chromatic ambient illuminations

p 378 A86-41783

ILLUMINATING

Age, degraded viewing environments, and the speed

of accommodation accommodation p 87 A86-20407 Helicopter cockpit organization for night vision [SNIAS-852-210-103] p 101 N86-17996

Instrument lighting levels and AN/AVS-6 usage p 187 N86-21148

Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior p 294 N86-26807 Night vision compatible illumination for vehicle crewmember workspace

AD-D012339] p 443 N86-33018 ILLUSIONS

Sensitivity to visual motion in statistically defined displays [AD-A167291] p 405 N86-31217 IMAGE ANALYSIS

Reduction of subjective redundancy in image signals: Results obtained and research trends [FUB-24-1984]

p 64 N86-14884 IMAGE CONTRAST

Perceived contrast in the fovea and periphery --- in [AD-A162557] p 19 A86-11148

Visual-contrast measurement - Measurement of the spatial transfer functions of the visual system --- Russian book p 27 A86-15467

Suprathreshold contrast perception as a function of spatial frequency p 133 A86-26295 Eye movements and spatial pattern vision [AD-A160408]

AD-A160408] p 115 N86-18963 Sensitivity to color contrasts and the selection of navigator personnel p 400 N86-30318 IMAGE ENHANCEMENT

Visual form perception from halftone images

p 120 N86-19847 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802

IMAGE INTENSIFIERS

Helicopter cockpit organization for night vision [SNIAS-852-210-103] p 101 N8 p 101 N86-17996 IMAGE PROCESSING

A digital image processing facility for human factors search p 143 A86-23737 Generating and generalizing models of visual objects [AD-A1581971 p 43 N86-13894

Reduction of subjective redundancy in image signals:	Study of cell-wall antigen determinants in ribosomal	IMPACT LOADS
Results obtained and research trends	preparations of group a streptococcus	Critical impact and acceleration loading to the head
[FUB-24-1984] p 64 N86-14884	p 220 N86-23243	p 214 A86-30381
Computational models of human vision with	Macrophage structure and function	IMPACT RESISTANCE
applications [NASA-CR-176413] p 67 N86-15898	[AD-A163314] p 276 N86-26793	Psychomotor performance after forward-facing impact p 32 A86-14310
[NASA-CR-176413] p 67 N86-15898 Binocular image flows: Steps toward stereo - motion	T and B components of immunity in the presence of acute mountain sickness p 286 N86-27892	IMPACT TESTS
fusion	acute mountain sickness p 286 N86-27892 Flow cytometry analysis of hormone receptors on human	Effect of seat cushions of human respone to +Gz
[AD-A158089] p 67 N86-15901	peripheral blood mononuclear cells to identify	impact p 145 A86-25652
In vivo detection, localization and measurement of	stress-induced neuroendocrine effects	Comparison of human impact response in restraint
radionuclides in man: a detection system for the localization	p 403 N86-31428	systems with and without a negative G strap
and measurement of small amounts of photon emitters	IMMUNOASSAY	p 249 A86-33754
[DE85-017601] p 93 N86-16893	Development of vaccines to the mycotoxin T-2	Regional tolerance to impact acceleration
Visual perception in correlated noise	[AD-A158544] p 63 N86-14877	[SAE PAPER 850852] p 293 A86-38512
p 181 N86-22106	Improved monoclonal antibodies to halodeoxyuridine	Dynamics of head protection (impact protective
Novel architectures for image processing based on	[DE85-017764] p 92 N86-16891	comparison of the SPH-4 flight helmet to a commercial
computer simulation and psychophysical studies of human	Fiberoptics immunofluorescence spectroscopy for	motorcycle helmet)
visual cortex	chemical and biological monitoring	[AD-A161164] p 154 N86-19945 IMPACT TOLERANCES
[AD-A166222] p 404 N86-30333	[DE86-002239] p 225 N86-24209	Regional tolerance to impact acceleration
Striving for natural usage (DE86-009402) p 435 N86-32105	IMMUNOLOGY	[SAE PAPER 850852] p 293 A86-38512
[DE86-009402] p 435 N86-32105 IMAGE RESOLUTION	Changes in immunoreactivity during adaptation to intervals of hypoxic hypoxia p 80 A86-21451	IMPEDANCE
The rastered eye - Vision in television	Effect of nonionizing microwave radiation on the	Rat brain impedance in stationary magnetic field
p 240 A86-32317	autoimmune reactions and antigenic structure of serum	p 174 N86-21128
Visual form perception from halftone images	proteins p 106 A86-24425	IMPEDANCE MEASUREMENT
p 120 N86-19847	Immunological analyses of U.S. Space Shuttle	The use of thoracic impedance for determining thoracic
Interaction of image characteristics of stereoscopic	crewmembers p 162 A86-29091	blood volume changes in man p 87 A86-20406
forms during depth perception	Effect of flight in mission SL-3 on interferon-gamma	IMPLANTATION
[AD-A164895] p 291 N86-26831	production by rats p 204 A86-30467	The first cortical implant of a semiconductor
IMAGES	A study of the effect of ultrasound on the antigenic	multielectrode array. VER (Visual Evoked Responses) and
Generating and generalizing models of visual objects	activity of human erythrocytes p 254 A86-36495	propagation analysis
[AD-A158197] p 43 N86-13894	Changes in immunity under stress	[AD-A164015] p 248 N86-25972
Perspective projection invariants	p 420 A86-49267	IMPULSES The rele of impulse accomplishing in force variability
[AD-A167783] p 428 N86-32968	Development and testing of a mouse simulated space	The role of impulse parameters in force variability p 439 N86-32997
IMAGING TECHNIQUES	flight model	IMPURITIES
The synthesis and analysis of color images [NASA-TM-86844] p 20 N86-10777	[NASA-CR-176359] p 29 N86-13878 Study of toxic and antigenic structures of botulinum	Functional state of the olfactory analyzer in a pressurized
In vivo nuclear magnetic resonance imaging	•	environment p 66 N86-15890
[NASA-CR-171928] p 170 N86-21105	neurotoxins [AD-A156642] p 29 N86-13880	IN-FLIGHT MONITORING
Aeromedical lessons learned with night vision devices	Development of vaccines to the mycotoxin T-2	Medical evaluation of cosmonauts during space flight
p 283 N86-26810	[AD-A158544] p 63 N86-14877	and immediate pre and post flight periods
MTF's and Wiener spectra of radiographic screen-film	Immunomodulation by proteins of bordetella pertussis	p 251 A86-35287
systems. Volume 2: (Including speeds of screens, films	[AD-A160078] p 107 N86-18953	Vectorcardiographic studies during Indo-Soviet joint
and screen-film systems)	Molecular approaches to selective immunization	space project p 251 A86-35288
[PB86-184934] p 380 N86-29501	[AD-A160141] p 107 N86-18954	INDEPENDENT VARIABLES
IMIDES	USSR report: Life sciences. Biomedical and behavioral	A model of inhaled gas and vapor transport in the human
Effect of dibasol and some of its imidazo analogues	sciences	lung
on animal tolerance to gravitational accelerations and	[JPRS-UBB-86-001] p 109 N86-19828	[AD-A160829] p 117 N86-18976
dynamics of development of postischemic cerebrovascular	Epidemiological supervision of poliomyelitis	Plausibility functions of lowa vocabulary test items
phenomena p 279 N86-27896	p 118 N86-19835	estimated by the simple sum procedure of the conditional P.D.F. Approach
IMMOBILIZATION  Recovery in skeletal muscle contractile function after	Research opportunities on immunocompetence in	[AD-A160850] p 134 N86-18986
prolonged hindlimb immobilization p 1 A86-10109	space [NASA-CR-176482] p 180 N86-21138	The effects of ketamine on Rhesus monkey skeletal
Catecholamine content of single brain nuclei in August	[NASA-CR-176482] p 180 N86-21138 Suppression of antibody forming cells by muramyl	dynamics
rats following immobilization stress p 3 A86-12521	Di-peptides	[AD-A162848] p 213 N86-24189
Effects of head and body restraint on experimental	[AD-A162400] p 159 N86-22084	INDEXES (DOCUMENTATION)
motion-induced sickness in squirrel monkeys	Studies on the mechanism of suppression of the immune	USSR Space Life Sciences Diges: Index to Issues 1-4
p 26 A86-14314	response by synthetic, non-toxic adjuvants	[NASA-CR-3922(06)] p 248 N86-25971
Effect of immobilization stress on body weight in rats	[AD-A162444] p 160 N86-22085	INDEXES (RATIOS)
p 81 A86-22324	USSR report: Life sciences. Biomedical and behavioral	The event related brain potential as an index of
Characterization and optimization of hydrogen	sciences	information processing, cognitive activity, and skill
production by a salt water blue-green alga Oscillatoria sp.	[JPRS-UBB-86-002] p 209 N86-23222	acquisition: A program of basic research
Miami BG 7. II - Use of immobilization for enhancement	Obtaining hybridomas that synthesize monoclonal	[AD-A159118] p 43 N86-13897 An evaluation of tests of anaerobic power
of hydrogen production p 156 A86-28860	antibodies to polysaccharide of group a streptococcus	[AD-A162826] p 224 N86-24203
Models of disuse - A comparison of hindlimb suspension	p 219 N86-23240	The prediction of biological activity using molecular
and immobilization p 391 A86-44196	Production and characterization of antibodies to benzo(a)pyrene	connectivity indices
Effect of 24,25-dihydroxyvitamin D3 on osteogenetic	[DE86-002204] p 222 N86-23271	[AD-A166986] p 394 N86-31208
precursor cells in immobilized rats p 56 N86-15877	Identification of vaccine resistant isolates of bacillus	INDIAN SPACE PROGRAM
Comparison of bone reactions of rats submitted to	anthracis	Vectorcardiographic studies during Indo-Soviet joint
clinostatic and antiorthostatic hypokinesia	[AD-A162002] p 212 N86-24187	space project p 251 A86-35288
p 174 N86-21125	Magnetic separation device	INDICATORS
Restraint system for waking Macaca mulatta monkeys	[AD-D012163] p 249 N86-25975	Electronic displays Russian book
during postural tests p 280 N86-27898		p 241 A86-33322
	T and B components of immunity in the presence of	P 241 1100 00022
The temporal response of bone to unloading	acute mountain sickness p 286 N86-27892	INDOOR AIR POLLUTION
The temporal response of bone to unloading [NASA-TM-89228] p 397 N86-30303		INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary
[NASA-TM-89228] p 397 N86-30303	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences	INDOOR AIR POLLUTION  Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen
[NASA-TM-99228] p 397 N86-30303 IMMUNITY Potential for cross-reactive protection using peptides	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p 156 A86-29089
[NASA-TM-89228] p 397 N86-30303 IMMUNITY Potential for cross-reactive protection using peptides and adjuvants or carrier molecules	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p 156 A86-29089 INDUSTRIAL PLANTS
[NASA-TM-89228] p 397 N86-30303 IMMUNITY Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology	INDOOR AIR POLLUTION  Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p 156 A86-29089  INDUSTRIAL PLANTS  Estimate of emotional stress during working activity
[NASA-TM-89228] p 397 N86-30303  IMMUNITY  Potential for cross-reactive protection using peptides and adjuvants or carrier molecules  [AD-A160360] p 108 N86-19826  Research opportunities on immunocompetence in	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p.156 A86-29089 INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction
[NASA-TM-89228] p 397 N86-30303  IMMUNITY Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Research opportunities on immunocompetence in space	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345 IMPACT ACCELERATION	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p 156 A86-29089 INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259
[NASA-TM-89228] p 397 N86-30303  IMMUNITY Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Research opportunities on immunocompetence in space [NASA-CR-176482] p 180 N86-21138	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  IMPACT ACCELERATION Psychomotor performance after forward-facing impact	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p. 156 A86-29089 INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p. 220 N86-23259 INDUSTRIAL SAFETY
[NASA-TM-89228] p 397 N86-30303  IMMUNITY Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Research opportunities on immunocompetence in space [NASA-CR-176482] p 180 N86-21138 Suppression of antibody forming cells by muramyl	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  IMPACT ACCELERATION Psychomotor performance after forward-facing impact p 32 A86-14310	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p 156 A86-29089 INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259 INDUSTRIAL SAFETY Effect of various doses of some vitamins on non-specific
[NASA-TM-89228] p 397 N86-30303  IMMUNITY Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160380] p 108 N86-19826 Research opportunities on immunocompetence in space [NASA-CR-176482] p 180 N86-21138 Suppression of antibody forming cells by muramyl Di-peptides	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  IMPACT ACCELERATION Psychomotor performance after forward-facing impact	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p.156 A86-29089 INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p.220 N86-23259 INDUSTRIAL SAFETY Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p.13 N86-10750
[NASA-TM-89228] p 397 N86-30303  IMMUNITY Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Research opportunities on immunocompetence in space [NASA-CR-176482] p 180 N86-21138 Suppression of antibody forming cells by muramyl Di-peptides [AD-A162400] p 159 N86-22084	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  IMPACT ACCELERATION Psychomotor performance after forward-facing impact p 32 A86-14310  Effect of seat cushions of human respone to +Gz	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p 156 A86-29089 INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259 INDUSTRIAL SAFETY Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p 13 N86-10750 Report on the research activities on whole-body
[NASA-TM-89228] p 397 N86-30303  IMMUNITY Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Research opportunities on immunocompetence in space [NASA-CR-176482] p 180 N86-21138 Suppression of antibody forming cells by muramyl Di-peptides [AD-A162400] p 159 N86-22084 Some characteristics of epizootic process in	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  IMPACT ACCELERATION Psychomotor performance after forward-facing impact p 32 A86-14310  Effect of seat cushions of human respone to + Gz impact p 145 A86-25652	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p. 156 A86-29089 INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p. 220 N86-23259 INDUSTRIAL SAFETY Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p. 13 N86-10750 Report on the research activities on whole-body vibrations. Human strain due to mechanical vibrations
[NASA-TM-89228] p 397 N86-30303  IMMUNITY Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Research opportunities on immunocompetence in space [NASA-CR-176482] p 180 N86-21138 Suppression of antibody forming cells by muramyl Di-peptides [AD-A162400] p 159 N86-22084 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  IMPACT ACCELERATION Psychomotor performance after forward-facing impact p 32 A86-14310 Effect of seat cushions of human respone to +Gz impact p 145 A86-25652 Regional tolerance to impact acceleration [SAE PAPER 850852] p 293 A86-38512 A nonlinear regression procedure for evoked potential	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p.156 A86-29089 INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p.220 N86-23259 INDUSTRIAL SAFETY Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p.13 N86-10750 Report on the research activities on whole-body vibrations. Human strain due to mechanical vibrations [ISBN-3-88383-107-7] p.15 N86-10773
[NASA-TM-89228] p 397 N86-30303  IMMUNITY Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Research opportunities on immunocompetence in space [NASA-CR-176482] p 180 N86-21138 Suppression of antibody forming cells by muramyl Di-peptides [AD-A162400] p 159 N86-22084 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome p 218 N86-23234	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  IMPACT ACCELERATION Psychomotor performance after forward-facing impact p 32 A86-14310 Effect of seat cushions of human respone to + Gz impact response to + Gz Regional tolerance to impact acceleration [SAE PAPER 850852] p 293 A86-38512 A nonlinear regression procedure for evoked potential data analysis	INDOOR AIR POLLUTION  Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p 156 A86-29089  INDUSTRIAL PLANTS  Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259  INDUSTRIAL SAFETY  Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p 13 N86-10750  Report on the research activities on whole-body vibrations. Human strain due to mechanical vibrations [ISBN-3-88383-107-7] p 15 N86-10773  Accidental exposure to americium
[NASA-TM-89228] p 397 N86-30303  IMMUNITY Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Research opportunities on immunocompetence in space [NASA-CR-176482] p 180 N86-21138 Suppression of antibody forming cells by muramyl Di-peptides [AD-A162400] p 159 N86-22084 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome p 218 N86-23234 AIDS-free USSR monitoring potential outbreak there	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  IMPACT ACCELERATION Psychomotor performance after forward-facing impact p 32 A86-14310 Effect of seat cushions of human respone to +Gz impact p 145 A86-25652 Regional tolerance to impact acceleration [SAE PAPER 850852] p 293 A86-38512 A nonlinear regression procedure for evoked potential data analysis [AD-A157680] p 53 N86-14839	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p. 156 A86-29089  INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p. 220 N86-23259  INDUSTRIAL SAFETY Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p. 13 N86-10750 Report on the research activities on whole-body vibrations. Human strain due to mechanical vibrations [ISBN-3-88383-107-7] p. 15 N86-10773 Accidental exposure to americium [DE85-012794] p. 39 N86-12965
[NASA-TM-89228] p 397 N86-30303  IMMUNITY Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Research opportunities on immunocompetence in space [NASA-CR-176482] p 180 N86-21138 Suppression of antibody forming cells by muramyl Di-peptides [AD-A162400] p 159 N86-22084 Some characteristics of epizootic process in hemorrhagic fever with renal syndrome p 218 N86-23234 AIDS-free USSR monitoring potential outbreak there p 218 N86-23235	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  IMPACT ACCELERATION Psychomotor performance after forward-facing impact p 32 A86-14310 Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 Regional tolerance to impact acceleration [SAE PAPER 850852] p 293 A86-38512 A nonlinear regression procedure for evoked potential data analysis [AD-A157680] p 53 N86-14839 Statistical research on problems of biodynamics	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p.156 A86-29089 INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p.220 N86-23259 INDUSTRIAL SAFETY Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p.13 N86-10750 Report on the research activities on whole-body vibrations. Human strain due to mechanical vibrations [ISBN-3-88383-107-7] p.15 N86-10773 Accidental exposure to americium [DE85-012794] p.39 N86-12965 Report of the symposium on biological monitoring of
[NASA-TM-89228] p 397 N86-30303  IMMUNITY  Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160380] p 108 N86-19826  Research opportunities on immunocompetence in space [NASA-CR-176482] p 180 N86-21138  Suppression of antibody forming cells by muramyl Di-peptides [AD-A162400] p 159 N86-22084  Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  p 218 N86-23234  AIDS-free USSR monitoring potential outbreak there p 218 N86-23235  Artificial vaccines and stimulation of immunity	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  IMPACT ACCELERATION Psychomotor performance after forward-facing impact p 32 A86-14310 Effect of seat cushions of human respone to + Gz impact p 145 A86-2652 Regional tolerance to impact acceleration [SAE PAPER 850852] p 293 A86-38512 A nonlinear regression procedure for evoked potential data analysis [AD-A157880] p 53 N86-14839 Statistical research on problems of biodynamics [AD-A157993] p 67 N86-15899	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p.156 A86-29089  INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p.220 N86-23259  INDUSTRIAL SAFETY Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p.13 N86-10750 Report on the research activities on whole-body vibrations. Human strain due to mechanical vibrations [ISBN-3-88383-107-7] p.15 N86-10773 Accidental exposure to americium [DE85-012794] p.39 N86-12965 Report of the symposium on biological monitoring of exposure to metals and other inorganic compounds
[NASA-TM-89228] p 397 N86-30303  IMMUNITY  Potential for cross-reactive protection using peptides and adjuvants or carrier molecules  [AD-A160360] p 108 N86-19826  Research opportunities on immunocompetence in space  [NASA-CR-176482] p 180 N86-21138  Suppression of antibody forming cells by muramyl Di-peptides  [AD-A162400] p 159 N86-22084  Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  p 218 N86-23234  AIDS-free USSR monitoring potential outbreak there p 218 N86-23235  Artificial vaccines and stimulation of immunity p 219 N86-23238	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  IMPACT ACCELERATION Psychomotor performance after forward-facing impact p 32 A86-14310 Effect of seat cushions of human respone to +Gz impact p 145 A86-25652 Regional tolerance to impact acceleration [SAE PAPER 850852] p 293 A86-38512 A nonlinear regression procedure for evoked potential data analysis [AD-A157680] p 53 N86-14839 Statistical research on problems of biodynamics [AD-A157993] p 67 N86-15899 IMPACT DAMAGE	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p. 156 A86-29089  INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p. 220 N86-23259  INDUSTRIAL SAFETY Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p. 13 N86-10750 Report on the research activities on whole-body vibrations. Human strain due to mechanical vibrations. ISBN-3-88383-107-7] Accidental exposure to americium [DE85-012794] p. 39 N86-12965 Report of the symposium on biological monitoring of exposure to metals and other inorganic compounds [MBL-1985-6] p. 85 N86-17980
[NASA-TM-89228] p 397 N86-30303  IMMUNITY  Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160380] p 108 N86-19826  Research opportunities on immunocompetence in space [NASA-CR-176482] p 180 N86-21138  Suppression of antibody forming cells by muramyl Di-peptides [AD-A162400] p 159 N86-22084  Some characteristics of epizootic process in hemorrhagic fever with renal syndrome  p 218 N86-23234  AIDS-free USSR monitoring potential outbreak there p 218 N86-23235  Artificial vaccines and stimulation of immunity	acute mountain sickness p 286 N86-27892 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Biological studies of swine exposed to 60-Hz electric fields. Volume 6: Immunology [DE86-005363] p 411 N86-30345  IMPACT ACCELERATION Psychomotor performance after forward-facing impact p 32 A86-14310 Effect of seat cushions of human respone to + Gz impact p 145 A86-2652 Regional tolerance to impact acceleration [SAE PAPER 850852] p 293 A86-38512 A nonlinear regression procedure for evoked potential data analysis [AD-A157880] p 53 N86-14839 Statistical research on problems of biodynamics [AD-A157993] p 67 N86-15899	INDOOR AIR POLLUTION Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen dioxide p.156 A86-29089 INDUSTRIAL PLANTS Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p.220 N86-23259 INDUSTRIAL SAFETY Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p.13 N86-10750 Report on the research activities on whole-body vibrations. Human strain due to mechanical vibrations [ISBN-3-88383-107-7] p.15 N86-10773 Accidental exposure to americium [DE85-012794] p.39 N86-12965 Report of the symposium on biological monitoring of exposure to metals and other inorganic compounds

Biological effects and physical safety aspects of NMR	INFORMATION THEORY	One was the season
imaging and in vivo spectroscopy [DE86-002966] p 213 N86-24190	An informational assessment of changes in the	Oxygen-liberating mixtures for breathing apparatus
The effect of high frequency electromagnetic fields on	physiological characteristics of an operator under different	P 241 N86-23264
human beings (frequency range between 1 kHz and 1000	A procedure-based approach to human information	A model of inhaled gas and vapor transport in the human
GHz) p 223 N86-24193 INDUSTRIES	IAD Ascorra	[AD-A160829] 0.117 Nes 18076
Biotechnology: Science and practice	[AD-A162454] p 181 N86-21144 Auditory versus visual selective-attention tasks	Multimodal versus unimodal information processing of
p 4 N86-10742	[IZF-1900-19] D 427 NIBE 22400	WORDS
INERTIA The effective interview of Control	Absolute judgment versus absolute magnitude	[AD-A160517] p 134 N86-18984 INPUT/OUTPUT ROUTINES
The effective intensity of Coriolis, cross-coupling stimulation is gravitoinertial force dependent - Implications	estimation to convey information through symbol magnitude changes in CRT displays	Underlying behavioral parameters of the operation of
for space motion sickness p 163 A86-29093	[AD-A167059] p.434 N86-22102	tougn-input devices - Biases, models, and feedback
Adapted head- and eye-movement responses to	INFORMATION TRANSFER	INSECTS p 98 A86-20110
added-head inertia p 250 A86-33758 INFARCTION	Adsorption and condensation of amino acids and nucleotides with soluble mineral salts	Morphological evidence of mechanoreceptive gravity
Study of a meteorological prediction of acute myocardial	a 201 Alec conso	perception in a water flea - Daphnia magna
interction incidence p 166 N86-21030	INFHARED ASTRONOMY SATELLITE	p 199 A86-30435 Topical hazard evaluation program of Candidate Insect
INFECTIOUS DISEASES	Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization	repellent Al3-35770 Hexahydro-1-( (2-Methylcycloheyyl)
Enhancing effects of gamma interferon on phagocytic cell association with and killing of Trypanosoma cruzi	p.309_N86,26008	CARDONYI)-1-H-AZEPINE
p 371 A86-40666	INFRARED LASERS Infrared optical measurement of blood gas	INSERTION LOSS
Clinico-epidemiological characteristics of Q fever in	concentrations and fiber optic catheter	Methods of measuring the attenuation of hearing
Carpathian foothills p 118 N86-19834	[AD-D011836] p.37 N86-12955	protection devices p 406 A86-45073 INSOLATION
Farm animals as source of yersiniosis p 217 N86-23230	INFRARED RADIATION	Local climatic particularities and their importance for
HBeAg and its antibodies in carriers of HSsAg in various	Nonionizing radiation damage in the eye	recreation area (example, Saarland-lower Bliestal)
regions of USSR p 218 N86-23233	An infrared search for extraterrestrial laser signals	INSOMNIA p 170 N86-21064
AIDS-free USSR monitoring potential outbreak there	INFRARED SOURCES (ASTRONOMY)	A benzodiazepine used in the treatment of insomnia
p 218 N86-23235 Artificial vaccines and stimulation of immunity	Diatoms on earth, comets, Europa and in interstellar	phase-shifts - The mammalian circadian clock
p 219 N86-23238	Space p.410 ARE-44354	p 372 A86-40875
Model of experimental pixuna virus infection in white	INFRARED SPECTRA	L-tryptophan administered to chronic sleep-onset insomiacs: Late-appearing reduction of sleep latency
mice p 211 N86-23253	Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140	[AD-A163115] n 225 NRS-24207
Experimental evaluation of pathogenicity of different variants of lassa virus p 211 N86-23254	Infrared optical measurement of blood gas	Zopicione's residual effect upon actual driving performance versus those of pitrazenem and
Cloning and analysis of genes for anthrax toxin	concentrations and fiber optic catheter	performance versus those of nitrazepam and flunitrazepam
components	INFRARED SPECTROSCOPY	[VK-84-10] p 423 N86-32954
[AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus	New physical methods for biological aerosol detection	INSTRUCTORS
anthracis	[AD-A158218] p 29 N86-13881 INGESTION (BIOLOGY)	Naval Training Command mishaps and instructor experience p 94 A86-20409
[AD-A162002] p 212 N86-24187	Tritium ingestion in rats p 58 N86-15895	A preliminary study - A multivariate analysis of attitudinal
Monkeys as a source of viral diseases in man [NASA-TM-78017] p.386 NRs-28625	INHIBITION	Characteristics of flight instructors p 232 Ass_20014
INFERENCE	Dicyclohexylcarbodiimide-sensitive ATPase in Halobacterium saccharovorum p 49 A86-16902	Simulator instructor task loading - The tide is turning p 233 A86-30362
Statistical inferences in cross-lagged panel studies	INHIBITORS	INSTRUMENT APPROACH
[AD-A163892] p 265 N86-25120 INFLATABLE STRUCTURES	Effects of norflurazon on the levels of abscisic acid and	Theoretical and experimental analysis of pilot failure
Low temperature inflator apparatus	xantnoxin in caps of gravistimulated roots of maize	detection behavior during various automatic approach conditions
[AD-D011810] p.45 Nas. 12074	p 197 A86-30420 Role of carbonic anhydrase in bone - Plasma	[NLR-MP-83025-U] p 72 N86-14895
A review of the pilot backache problem in the CH113 Labrador helicopter	acetazolamide concentrations associated with inhibition	INSTRUMENT FLIGHT RULES A review of critical in-flight events research
[AD-A164011] p 256 N86-25113	of bone loss p 375 A86-43454 Glucocorticoid antagonism by endotoxin: Biological	methodology n 228 Ass. 2006
INFLATING	effects during stress and basis for inhibition of	The role of fundamental expression in instrument flight
Low temperature inflator apparatus [AD-D011810] n 45 N86.12974	phosphoenolpyruvate carboxykinase	performance p 229 A86-29896 INSTRUMENTS
INFLUENZA	[AD-A160740] p 116 N86-18969 Ultrasensitive detection of chemical substances	Rapid identification of micro-organisms
Potential for cross-reactive protection using peptides	[AU-A159996] D 108 NA6-19825	[AD-A159945] p 107 N86-18952
and adjuvants or carrier molecules	Biosensors from membrane proteins reconstituted in	INSULIN Altitude acclimatization attentuates plasma ammonia
Artificial vaccines and stimulation of immunity	polymerized lipid bilayers [AD-D012160] p 248 N86-25974	during submaximal exercise
n 210 Nee 2222	Effects of atropine sulfate on aircrew performance	[AD-A168630] n 425 NR6-22062
Fab-fragment of heterologic immunoglobulin for flu prophylaxis and treatment p.219 N86-23241	[AD-A165063] n 290 NA6-27010	INTAKE SYSTEMS Forward field autotransfusion device
Vaccine Proteins R and D on Salyut-7	INJURIES  Controlled environment life support every	[AD-D011763] p 37 N86-12957
p 220 N86-23256	Controlled environment life support system: Calcium-related leaf injuries on plants	INTELLIGENCE
Human-machine interface in mobile teleoperators	[NASA-CR-176288] p 6 N86-11829	Components of verbal intelligence [AD-A163359] n.290 Nas-asease
[DE85-013639] p 75 N86-14900	Accidental exposure to americium [DE85-012794] p.39 N86-12965	INTERACTIVE CONTROL
A discrete control model of PLANT	A nonlinear regression procedure for evoked potential	The role of fundamental expression in instrument flight
INFORMATION MANAGEMENT	cata analysis	performance p 229 A86-29896 Pilot vehicle interfaces with smart avionics systems
Subjective workload and individual differences in	[AD-A157680] p 53 N86-14839	[SAE PAPER 851923] p 270 A86-35432
information processing abilities	Hematopoiesis in conventional mice after wound trauma	INTERFACES
[SAE PAPER 841491] p 132 A86-26011	[AD-A160436] p 108 N86-18959	Impact of automation on Space Station MMI design Man-Machine Interface
A computer model of case-based responsing in problem	An examination of injury criteria for potential application	[AIAA PAPER 86-2316] p. 407   ARE-46044
solving: An investigation in the domain of dispute	to explosive safety studies	Advanced operator/system interface concepts for the
[AD A450007]	[AD-P004883] p 163 N86-20629 Development of an ultrafast-curing wound dressing	Space Station [AIAA PAPER 86-2317] p 407 A86-46945
Beginning p 73 N86-15912 Beginning p 73 N86-15912 Beginning p 73 N86-15912	[AD-A162471] p 177 N86-22099	Human-machine interfaces for telegographics: An
retrieval	Systematic radiographic examination of the spine for	Overview of research and development at the Oak Ridge
[AD-A160783] p 134 N86-18985 Diseases in CEMA countries p 211 N86-23252	selection of F-16 pilots: A preliminary report	National Laboratory. Consolidated Fuel Reprocessing Program
Division of attention as a function of the number of stens	p 401 N86-30323 Peripheral nerve injury in developing rats reorganizes	[DE85-017713] n 100 N86-17000
VISUAL STITES, and memory load	motor cortex	System for measurement of small vibrations at material
[NASA-TM-88775] p 404 N86-30328 INFORMATION SYSTEMS	[AD-A168019] p 417 N86-32952	interraces induced by electrostrictive forces
Managing computer systems developments	INLET PRESSURE A small oxygen concentrator	The design of natural language interfaces
Understanding the human and technological imperatives	[AD-A163145] p 273 N86-25993	[AD-A162181] p 242 N86-24220
[AD-A158976] p 76 N86-15917 Schema-based theory of information presentation for	INORGANIC COMPOUNDS	Soldier-computer interface [AD-A165326] p.295 N86-26841
distributed decision making	Report of the symposium on biological monitoring of	INTERFERENCE
[AD-A163150] p 266 N86-25992	exposure to metals and other inorganic compounds [MBL-1985-6] p 85 N86-17980	The interfering effects of processing code on visual
	- P 00 110011300	memory p 259 A86-33782

The interfering effects of processing code on visual nemory p 259 A86-33782

INTERFERON	INVOLUNTARY ACTIONS	Ischemic cardiopathology in pilots - The risk, the
Effect of flight in mission SL-3 on interferon-gamma production by rats p 204 A86-30467	A model of the system controlling involuntary eye movements p 247 A86-36496	methods of detection and prevention p 113 A86-24511
Enhancing effects of gamma interferon on phagocytic	ION CONCENTRATION	Evaluation of precordial mapping before and after
cell association with and killing of Trypanosoma cruzi p 371 A86-40666	Muscle fatigue: Physiological and biochemical studies p 120 N86-19851	submaximal exercise amongst normal and asymptomatic subjects with non specific ST-T abnormalities
Development and testing of a mouse simulated space	ION EXTRACTION	p 251 A86-35290
flight model	Biosensors from membrane proteins reconstituted in	ISOMERS
[NASA-CR-176359] p 29 N86-13878 Production of gamma- and alpha-interferon by human	polymerized lipid bilayers	Isoleucine stereoisomers on the earth p 154 A86-26198
blood leukocytes under successive induction conditions	[AD-D012160] p 248 N86-25974	Positively supercoiled DNA in a virus-like particle of an
p 217 N86-23229	ION IMPLANTATION Improvement in wear performance of surgical Ti-6AI-4V	archaebacterium p 372 A86-40879
INTERNAL PRESSURE	alloy by ion implantation of nitrogen or carbon	Interstellar isomers p 298 N86-26848
Improved flexibility of an EVA glove p 433 A86-48713	[DE85-013986] p 18 N86-11849	ISOTOPES Isotopic characterisation of prebiotic synthesis of organic
INTERNATIONAL COOPERATION	ION MOTION	material p 300 N86-26865
East Europe report: Science and technology	Coupling between the bacteriorhodopsin photocycle and the protonmotive force in Halobacterium halobium cell	ISOTOPIC LABELING
[JPRS-ESA-85-031] p 57 N86-15893	envelope vesicles. III - Time-resolved increase in the	A method for screening of plant species for space use
AIDS-free USSR monitoring potential outbreak there p 218 N86-23235	transmembrane electric potential and modeling of the	p 152 N86-19938 Biomedical research with cyclotron produced
Effects of radiation health p 288 N86-27910	associated ion fluxes p 373 A86-43433	radionuclides
INTERPLANETARY DUST	IONIZATION	[DE86-000327] p 221 N86-23269
Characterization of biogenic elements in interplanetary	Neutron effects in humans: Protection considerations [DE85-015047] p 64 N86-14882	ITALY
dust particles p 297 N86-26846	Miniature metastable ionization detectors for exobiology	Operating radiation protection: Physical aspects p 288 N86-27911
Boundary conditions for the paleoenvironment: Chemical and Physical Processes in dense interstellar	flight experiments p 299 N86-26859	Operating radiation protection: Medical aspects
clouds p 297 N86-26847	IONIZING RADIATION	p 288 N86-27912
INTERPLANETARY FLIGHT	A possible energetic role of mineral surfaces in chemical	
Psychological and interpersonal adaptation to Mars	evolution p 48 A86-14114	J
missions [AAS 84-186] p 179 A86-28812	lonizing radiation and blood vessels Russian book p 105 A86-24144	•
Countermeasures for the effects of prolonged	Activation of cholesterogenesis under the effect of	JACKETS
weightlessness	ionizing radiation on a living body p 207 A86-32697	Low temperature inflator apparatus
[AAS 84-187] p 162 A86-28813	The effect of radiation on the concentration and	[AD-D011810] p 45 N86-12974 JAPAN
INTERSTELLAR CHEMISTRY Photochemical reactions in interstellar grains photolysis	metabolism of dopamine in the rat brain p 276 A86-39722	Japanese Technology Evaluation Program (JTECH):
of CO, NH3, and H2O p 189 A86-28721	Biological effects of ionizing radiation	Biotechnology Panel
Prebiotic matter in interstellar molecules	p 288 N86-27909	[PB86-109386] p 161 N86-22092
p 296 A86-38138	AFRRI (Armed Forces Radiobiology Research	JAPANESE SPACE PROGRAM  Basic consideration on CELSS
Recent observations of organic molecules in nearby cold, dark interstellar clouds p 296 A86-38139	Institute)	[IAF PAPER 85-307] p 45 A86-15819
Infrared spectral identification of complex organic	[AD-A165810] p 379 N86-28614 IONOSPHERE	JET ENGINE FUELS
molecules in interstellar grains p 296 A86-38140	Mass loss of shuttle space suit orthofabric under	The experimental determination of safe atmospheric
No valid evidence exists for interstellar proteins, bacteria,	simulated ionospheric atomic oxygen bombardment	exposure concentrations of JP-10 jet fuel
etc p 296 A86-38143	[NASA-TM-87149] p 46 N86-13899	[AD-A163179] p 258 N86-25985 <b>JET LAG</b>
INTERSTELLAR GAS Photolysis products of CO, NH3 aND H2O and their	IONOSPHERIC DRIFT  Ion Mobility Drift Spectrometer (IMDS) as a flight	Disturbance of the multiperiodic synchronization of the
significance to reactions on interstellar grains	analytical instrument technique p 300 N86-26861	heart-beat and respiratory rhythms after transmeridian
p 298 N86-26849	IONS	flights through three time zones p 88 A86-22533
INTERSTELLAR MATTER	Microwave effects on CNS: A histopathologic,	Phase shifting two coupled circadian pacemakers -
Photometric and photo acoustic measurement of the absorbance of micro-organisms and its relation to the	ultrastructural and autoradiographic study	Implications for jet lag p 377 A86-40684
micro-organism-grain hypothesis p 188 A86-26671	[AD-A165040] p 277 N86-27867	Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature
Photochemical reactions in interstellar grains photolysis	Plausibility functions of lowa vocabulary test items	[NASA-TM-88197] p 92 N86-16890
of CO, NH3, and H2O p 189 A86-28721	estimated by the simple sum procedure of the conditional	An experimental trial to test the efficacy of temazepam
A search for interstellar glycine p 274 A86-33668 Infrared spectral identification of complex organic	P.D.F. Approach	to induce sleep and improve subsequent performance
molecules in interstellar grains p 296 A86-38140	[AD-A160850] p 134 N86-18986	during partial sleep deprivation and circadian rhythm
Diatoms on earth, comets, Europa and in interstellar	Iron-silica crystallite nucleation by bacteria in a	desynchronosis [AD-A160795] p 116 N86-18972
space p 410 A86-44354	geothermal sediment p 247 A86-36368	Crew factors in flight operations. Part 4: Sleep and
Boundary conditions for the paleoenvironment:	Kinetics of biological ferrous iron oxidation	wakefulness in international aircrews
Chemical and Physical Processes in dense interstellar clouds p 297 N86-26847	[DE85-014616] p 4 N86-10736 Magnetic separation device	[NASA-TM-88231] p 379 N86-28613
Interstellar isomers p 298 N86-26848	[AD-D012163] p 249 N86-25975	JOINTS (JUNCTIONS)
Photolysis products of CO, NH3 aND H2O and their	Isotopic, petrologic and biogeochemical investigations	Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619
significance to reactions on interstellar grains	of banded iron-formations p 305 N86-26885	Shoulder and hip joint for hard space suits
p 298 N86-26849 Observational exobiology p 298 N86-26850	IRON COMPOUNDS Origin of life and iron-rich clays p 300 N86-26866	[NASA-CASE-ARC-11543-1] p 384 N86-28620
INTERVALS	IRRADIATION	Shoulder and hip joints for hard space suits and the
Circadian variations of systolic time intervals	Approaches to quantitative expression of dose	like
p 394 A86-44087	response	[NASA-CASE-ARC-11534-1] p 385 N86-29507
INTESTINES  Special features of surgical intervention under conditions	[DE85-013498] p 15 N86-10772 Radiosensitivity of animals irradiated in modified gas	JP-4 JET FUEL Identification and quantification of the water-soluble
of weightlessness	medium: Modification of cerebral syndrome in mice by	components of JP-4 and a determination of their biological
[AD-A167916] p 423 N86-32092	hypoxic hypoxia and hyperoxia during irradiation	effects upon selected freshwater organisms
INTOXICATION	p 54 N86-14847	[AD-A160271] p 108 N86-18957
Comparison of the effects of atropine sulfate and ethanol	Studies concerned with basic radiation protection criteria	Toxic hazards research unit annual technical report:
on performance p 232 A86-29923	and studies concerned with guidance and information [AD-A158319] p 63 N86-14874	1985 [AD-A161558] p 176 N86-22097
INTRAMOLECULAR STRUCTURES  Chirally selective, intramolecular interaction observed in	Advances in radiobiological research: Hypoxic	JP-8 JET FUEL
an aminoacyl adenylate anhydride p 372 A86-41046	irradiation effects p 57 N86-15894	Toxic hazards research unit annual technical report:
Intramolecular interactions in aminoacyl nucleotides:	Biological effects of millimeter waves on the mouse	1985
Implications regarding the origin of genetic coding and	[FOA-C-50023-H1] p 83 N86-16879 A comparison of the specific absorption rate in a	[AD-A161558] p 176 N86-22097
protein synthesis p 302 N86-26873	homogeneous man model and a man model containing	JUDGMENTS  A region of critical in-flight events research
Stereoselective aminoacylation of RNA	realistic model bones	A review of critical in-flight events research methodology p 228 A86-29886
p 302 N86-26875 INVERTEBRATES	[AD-A168547] p 424 N86-32960	Private pilot judgment training in flight school settings
Effects of clinostat rotation on Aurelia statolith	IRRITATION  Topical bazard evaluation program of Candidata Insact	- A demonstration project p 228 A86-29890
synthesis p 199 A86-30436	Topical hazard evaluation program of Candidate Insect repellent Al3-35770 Hexahydro-1-( (2-Methylcyclohexyl)	The attitude and information components of the risk
Models for biomedical research: A new perspective	Carbonyl)-1-H-Azepine	assessment-judgement process of aircraft pilots
[PB85-240067] p 83 N86-16880	[AD-A158386] p 68 N86-15903	p 229 A86-29892
INVESTIGATION  An investigation into effects of environmental changes	ISCHEMIA	An investigation of judgments of category frequency [AD-A159555] p 72 N86-14894
An investigation into effects of environmental changes on locus of control	Types of work capacity and the frequency of the development of ischemic heart disease and hypertonic	A model of the conjunction fallacy
[AD-A160861] p 135 N86-18987	disease p 34 A86-15516	[AD-A160876] p 136 N86-19901
	•	

JUPITER SATELLITES Survival of the Jovian planets Giant	with the sun	a Red 21644
	F . W. 1100	
K		
KEROGEN Isotopic characterisation of prebiot material		
Use of laboratory simulated pyro history of sedimentary organic matte	lysis in tracin	26865 ig the
KEYING	p 304 N86-	26884
Reconfigurable work station for a keyboard	rideo display ur	nit and
[NASA-CASE-MFS-26009-1SB] KIDNEYS	p 188 N86-	22114
Morphological changes in som guinea pigs due to the effect of a con- field	tant electroma p 103 A86-	gnetic 23490
Morphology of human embryonic is after space flight	p 201 A86-3	30452
1,25-Dihydroxyvitamin D3 recepto grounded control rat kidneys	rs in space-flow p 204 A86-3	VN VS. 20472
KINETIC EQUATIONS Application of screw calculus to	•	_
[AD-P004947]	p 75 N86-1	
KINETICS  An evaluation of tests of anaerobic  [AD-A162826]		
(NEE (ANATOMY)	p 224 N86-2	
A graphic anthropometric aid for se design	ating and work	place
[AD-A156988]	p 23 N86-1	0788
Elbow and knee joint for hard space [NASA-CASE-ARC-11610-1] (NOWLEDGE	e suits p 384 N86-2	8619
The effects of type of knowledge usolving in a process control task	pon human pro p 74 A86-1	blem 7771
_		
L		
ABORATORY EQUIPMENT		
ABORATORY EQUIPMENT A system of rat restraint using a conand stainless steel rod cage		
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International	p 83 N86-1	
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415]		6876 for
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-p	p 83 N86-1 Congress p 276 N86-2	6876 for 6794
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-pexercise and recovery Skeletal muscle lactate release	p 83 N86-1 Congress p 276 N86-2 vruvate ratio di p 8 A86-1	6876 for 6794 uring 0110
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-pexercise and recovery Skeletal muscle lactate releasintermediates during hypercannia	p 83 N86-1 Congress p 276 N86-2 vruvate ratio d p 8 A86-1 e and glyco	6876 for 6794 uring 0110 olytic
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-pexercise and recovery Skeletal muscle lactate release intermediates during hypercapnia Plasma lactate and ventilation thres untrained cyclists	p 83 N86-1 Congress p 276 N86-2 vruvate ratio d p 8 A86-1 e and glyc p 155 A86-2 holds in trained	6876 for 6794 uring 0110 olytic 3124 l and
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-p exercise and recovery Skeletal muscle lactate release intermediates during hypercapnia Plasma lactate and ventilation thres untrained cyclists Influence of erythrocythemia on thermoregulation during exercise-heat	p 83 N86-1: Congress p 276 N86-2: yruvate ratio di p 8 A86-1: e and glyco p 155 A86-2: holds in trained p 215 A86-3:	6876 for 6794 uring 0110 olytic 3124 l and
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-pexercise and recovery Skeletal muscle lactate release intermediates during hypercapnia Plasma lactate and ventilation thresuntrained cyclists Influence of erythrocythemia on thermoregulation during exercise-heat [AD-A165014]	p 83 N86-1: Congress p 276 N86-2: /ruvate ratio di p 8 A86-1: e and glyco p 155 A86-2: holds in trained p 215 A86-30: blood volume stress p 280 N86 2:	8876 for 8794 uring 0110 01ytic 3124 l and 0678 and
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-pexercise and recovery Skeletal muscle lactate release intermediates during hypercapnia Plasma lactate and ventilation thresuntrained cyclists Influence of erythrocythemia on thermoregulation during exercise-heat [AD-A165014] Altitude acclimatization attentuates during submaximal exercise [AD-A168630]	p 83 N86-1: Congress p 276 N86-2: /ruvate ratio di p 8 A86-1: e and glyc p 155 A86-3: holds in trained p 215 A86-3: blood volume stress p 289 N86-2: plasma amm	6876 for 6794 uring 0110 01ytic 18124 1814 1814 1816 1817 1817 1817 1817 1817 1817 1817
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-pexercise and recovery Skeletal muscle lactate releasintermediates during hypercapnia Plasma lactate and ventilation thresuntrained cyclists Influence of erythrocythemia on thermoregulation during exercise-heaf [AD-A165014] Altitude acclimatization attentuates during submaximal exercise [AD-A168630] ACTIC ACID The effect of short term hypoxia or	p 83 N86-1: Congress p 276 N86-2: /ruvate ratio di p 8 A86-1: e and glyc p 155 A86-3: holds in trained p 215 A86-3: blood volume stress p 289 N86-2: plasma amm	6876 for 6794 uring 0110 olytic 3124 and 0678 and 7916 onia
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-pexercise and recovery Skeletal muscle lactate release intermediates during hypercapnia Plasma lactate and ventilation thres untrained cyclists Influence of erythrocythemia on thermoregulation during exercise-heat [AD-A165014] Altitude acclimatization attentuates during submaximal exercise [AD-A16830] ACTIC ACID The effect of short term hypoxia or and lactic acid in blood The content of lactic acid in the blood	p 83 N86-1: Congress p 276 N86-2: vruvate ratio di p 8 A86-1: e and glyco p 155 A86-2: holds in trained p 215 A86-3: blood volume stress p 289 N86-2: plasma amm p 425 N86-3:	6876 for 6794 uring 0110 olytic 3124 and 0678 and 7916 onia
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-pexercise and recovery Skeletal muscle lactate release intermediates during hypercapnia Plasma lactate and ventilation thresuntrained cyclists Influence of erythrocythemia on thermoregulation during exercise-heat [AD-A165014] Altitude acclimatization attentuates during submaximal exercise [AD-A168630] ACTIC ACID The effect of short term hypoxia or and lactic acid in blood during hypoxia	p 83 N86-1: Congress p 276 N86-2: vruvate ratio di p 8 A86-1: e and glyco p 155 A86-2: holds in trained p 215 A86-3: blood volume stress p 289 N86-2: plasma ammi p 425 N86-3: b body tempera p 81 A86-2: al and erythropoi p 393 A86-45	6876 for 6794 uring 0110 019tic 3124 and 0678 and 7916 onia
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-pexercise and recovery Skeletal muscle lactate release intermediates during hypercapnia Plasma lactate and ventilation thres untrained cyclists Influence of erythrocythemia on thermoregulation during exercise-heat [AD-A165014] Altitude acclimatization attentuates during submaximal exercise [AD-A168630] ACTIC ACID The effect of short term hypoxia or and lactic acid in blood The content of lactic acid in the blood during hypoxia ACTOSE Antibiotic properties of bifidobacteria	p 83 N86-1: Congress p 276 N86-2: vruvate ratio di p 8 A86-1: e and glyco p 155 A86-2: holds in trained p 215 A86-3: blood volume stress p 289 N86-2: plasma ammi p 425 N86-3: b body tempera p 81 A86-2: al and erythropoi p 393 A86-45	6876 for 5794 uring 0110 919tic 3124 and 9678 and 7916 onia 2962 ture 2595 lesis 324
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-pexercise and recovery Skeletal muscle lactate releasintermediates during hypercapnia Plasma lactate and ventilation thresuntrained cyclists Influence of erythrocythemia on thermoregulation during exercise-heat [AD-A165014] Altitude acclimatization attentuates during submaximal exercise [AD-A16830] ACTIC ACID The effect of short term hypoxia or and lactic acid in blood The content of lactic acid in the blood during hypoxia ACTOSE Antibiotic properties of bifidobacteria	p 83 N86-1: Congress p 276 N86-2: yruvate ratio di p 8 A86-1: e and glycc p 155 A86-2: holds in trained p 215 A86-3: blood volume stress p 289 N86-2: plasma amm p 425 N86-3: body tempera p 81 A86-2: a body tempera p 81 A86-2: a land erythropo p 393 A86-4: a	8876 for 8794 uring 0110 91910 83124 1 and 9678 and 7916 onia 2962 uture 2955 1983 1983 1983 1984
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-pexercise and recovery Skeletal muscle lactate release intermediates during hypercapnia Plasma lactate and ventilation thres untrained cyclists Influence of erythrocythemia on thermoregulation during exercise-heat [AD-A165014] Altitude acclimatization attentuates during submaximal exercise [AD-A168630] ACTIC ACID The effect of short term hypoxia or and lactic acid in blood The content of lactic acid in the blood during hypoxia ACTOSE Antibiotic properties of bifidobacteria ACONS The microbial community at Lagu California Mexico - From miles to microbial	p 83 N86-1: Congress p 276 N86-2: yruvate ratio di p 8 A86-1: e and glycc p 155 A86-2: holds in trained p 215 A86-3: blood volume stress p 289 N86-2: plasma amm p 425 N86-3: body tempera p 81 A86-2: a body tempera p 81 A86-2: a land erythropo p 393 A86-4: a	8876 for 5794 uring 0110 0110 0110 0110 0110 0110 0110 01
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-p exercise and recovery Skeletal muscle lactate releast intermediates during hypercapnia Plasma lactate and ventilation thres untrained cyclists Influence of erythrocythemia on thermoregulation during exercise-heat [AD-A165014] Altitude acclimatization attentuates during submaximal exercise [AD-A168630] ACTIC ACID The effect of short term hypoxia or and lactic acid in blood The content of lactic acid in the blood during hypoxia ACTOSE Antibiotic properties of bifidobacteria AGOONS The microbial community at Lagu California Mexico - From miles to micro ANDING SIMULATION Part-training strategies in simulated approach training	p 83 N86-11 Congress p 276 N86-21 yruvate ratio di p 8 A86-11 e and glycc p 155 A86-21 holds in trained p 215 A86-32 holds in brained p 215 A86-32 p 289 N86-22 plasma amm p 425 N86-32 n body tempera p 81 A86-22 n body tempera p 81 A86-23 n base a series a series a series p 29 N86-23 n base a series a series p 29 A86-45 a p 219 N86-23 nna Figueroa, I ons p 26 A86-14 carrier landing p 131 A86-23	8876 for 5794 uring 0110 0110 0110 0110 0110 0110 0110 01
ABORATORY EQUIPMENT A system of rat restraint using a con and stainless steel rod cage [AD-A158428] Biotechnica '85 International Biotechnology [AD-A165415] ACTATES Lactate, pyruvate, and lactate-to-p exercise and recovery Skeletal muscle lactate releast intermediates during hypercapnia Plasma lactate and ventilation thres untrained cyclists Influence of erythrocythemia on thermoregulation during exercise-heat [AD-A165014] Altitude acclimatization attentuates during submaximal exercise [AD-A168630] ACTIC ACID The effect of short term hypoxia or and lactic acid in blood The content of lactic acid in the blood during hypoxia ACTOSE Antibiotic properties of bifidobacteria AGOONS The microbial community at Lagu California Mexico - From miles to micro ANDING SIMULATION Part-training strategies in simulated approach training MINGUAGES Issues in rule identification and logic	p 83 N86-11 Congress p 276 N86-21 yruvate ratio di p 8 A86-11 e and glycc p 155 A86-21 holds in trained p 215 A86-32 holds in brained p 215 A86-32 p 289 N86-22 plasma amm p 425 N86-32 n body tempera p 81 A86-22 n body tempera p 81 A86-23 n base a series a series a series p 29 N86-23 n base a series a series p 29 A86-45 a p 219 N86-23 nna Figueroa, I ons p 26 A86-14 carrier landing p 131 A86-23	8876 for 5794 uring 0110 0110 0110 0110 0110 0110 0110 01

chemical origin of life

adjacent tissue injury

[AD-A166998]

laser irradiation of acupuncture points

bimolecular processes in the gas phase

P 48 A86-14774

P 91 A86-22711

p 394 N86-31209

**LEARNING MACHINES** 

[AD-A1581971

Generating and generalizing models of visual objects

p 43 N86-13894

lichens

Laser ablation of human atherosclerotic plaque without

The activity of cholinesterase and norepinephrine after

Laser kinetic spectroscopy of unimolecular and

```
[JPRS-CST-85-019]
                                         D 39 N86-12966
       Protection of eyes against laser damage studied
                                        p 39 N86-12967
      Light induced damage to enythrocyte membrane
    sensitized by tetrasulfophenyl porphin
                                       p 109 N86-19838
      Eye protection against intense light sources
                                       p 284 N86-26818
      The application of diffraction optics techniques to laser
                                       p 284 N86-26821
  LASER SPECTROSCOPY
      Element analysis of sclerotic formations of major blood
    vessels by laser mass spectrometry p 118 N86-19833
Laser kinetic spectroscopy of unimolecular and
    bimolecular processes in the gas phase
    [AD-A1669981
                                       p 394 N86-31209
  LATERAL CONTROL
      Car driving as a supervisory control task
    [B8563351]
                                        p 19 N86-10776
      Investigation of limb-sidestick dynamic interaction with
                                       p 438 N86-32991
  LATITUDE
      Capacity for work and hemodynamics in males residing
    at middle and high latitudes
                                        p 13 N86-10747
  LEADERSHIP
      The effects of expressivity and flight task on cockpit
   communication and resource management
   [NASA-CR-177036]
                                      p 383 N86-29505
     Use of artificial intelligence and psychology in the
            of command and control
   commanders
   (STC-TM-749)
                                       p 427 N86-32095
     The psychology of decision making ommanders p 427
                                                 military
   commanders
                                             N86-32096
 LEAKAGE
     The effect of leakage on the insulation provided by
   immersion-protection clothing
                                       p 44 A86-14320
     The effect of water ingress on buoyancy and thermal
   quality of survival suits
                                       p 97 A86-19333
 LEARNING
     Effects of task difficulty and learning strategies in
   multiple-task training
                                      p 178 A86-28451
     EEG correlates in the process of forming driving skills
                                      p 421 A86-49273
     Human cognition and performance
  [AD-A157665]
                                       p 42 N86-12970
     Hypothesizing and refining causal models
   [AD-A1581651
                                       p 43 N86-13893
     Assessment of visuospatial abilities using complex
   cognitive tasks
   [AD-A1589191
                                       p 70 N86-14889
     Models for biomedical research: A new perspective
   [PB85-240067]
                                       p 83 N86-16880
     Application of component scoring to a complicated
    ognitive domain
  [AD-A157897]
                                       p 95 N86-16898
     Bug distribution and pattern classification
  [AD-Ā157898]
                                       p 95 N86-16899
    Biological investigations of adaptive networks. Neuronal
   control of conditioned responding
                                      p 126 N86-19887
    Effects of 60 Hz electric fields on operant and social
   stress behaviors of nonhuman primates
                                     p 209 N86-23221
    Multidisciplinary studies on excitatory amino acids as
   transmitters in the brain
                                     p 256 N86-25115
    The role of elaborations in instructional texts: Learning
   to use the appropriate procedure at the appropriate time
  [AD-A165211]
                                     p 291 N86-26833
    Initial skill learning: An analysis of how elaborations
  facilitate the three components
  [AD-A1651371
                                     p 292 N86-27922
    Effects of 60 Hz electric fields on operant and social
   tress behaviors of nonhuman primates
  [DE86-003748]
                                     p 310 N86-27923
    A learning model as a basis for investigations of the
  effects of gravity on the learning processes and memory
  formulation
                                     p 389 N86-29525
    Neurophysiological
                                      supporting
                         research
  investigation of adaptive network architectures
  [AD-A1660741
                                     p 405 N86-31216
    Active controllers and the time duration to learn a task
                                    p 439 N86-32994
    Progression-regression effects in tracking repeate
                                    p 439 N86-32996
LEARNING CURVES
    The startle reflex as a learning task: Apparatus and test
    rameters
  [AD-A1679581
                                     p 428 N86-32970
```

LASER DAMAGE

China report: Science and technology

```
LEARNING THEORY
      Man-machine systems of the 1990 decade: Cognitive
     factors and human interface issues
     [AD-A163865]
                                        p 273 N86-25123
      Theory-based cognitive assessment
    [AD-A164083]
                                        p 266 N86-25991
      Components of verbal intelligence
    [AD-A163359]
                                        p 290 N86-26828
     Acquiring procedural skills from lesson sequences
AD-A164580] p 291 NAS-29
                                        p 291 N86-26829
  LEAST SQUARES METHOD
    Comparison of the STI NIPIP tracking dynamics identification with the on-line Fourier analyzer DFA results
    including a time varying case
                                       D 442 N86-33010
  LEAVES
      Controlled
                   environment life
                                        support
                                                  system:
    Calcium-related leaf injuries on plants
    [NASA-CR-176288]
                                          p 6 N86-11829
      Gas exchange characteristics of leaves as indicators
    of the basic limitations to the rate of photosynthesis
    [DE86-009632]
                                       p 416 N86-32085
  LEG (ANATOMY)
     Likelihood of high rates of energy deposition in the
    human legs at the ANSI recommended 3-30-MHz RF safety
                                        p 58 A86-17918
     Drop foot corrective device
   [NASA-CASE-LAR-12259-2]
                                       p 188 N86-22112
      The effects of ketamine on Rhesus monkey skeletal
    dynamics
   [AD-A162848]
                                       p 213 N86-24189
 LEGIBILITY
     Evaluation of helmet display formats
                                       p 184 A86-28440
     Luminance contrast requirements for legibility of symbols
   on computer-generated map displays in aircraft cockpits
                                       p 237 A86-29869
 LENSES
     Fluorescent-polarization properties of chromophores of
    water-soluble proteins of normal and cataractal human
                                      D 118 N86-19832
 LESIONS
     Biological investigations of adaptive networks. Neuronal
   control of conditioned responding
   [AD-A1603451
                                       p 126 N86-19887
     Mesolimbic and nigrostriatal dopaminergic systems:
   Behavioral neuropharmacology
   [AD-A160821]
                                       p 136 N86-19900
     Permanent visual change associated with punctate
   foveal lesions
                                      p 284 N86-26823
     Experiments with developing plants aboard Salyut-5,
   Salyut-6 and Salyut-7 oribital stations
                                      p 279 N86-27891
 LETHALITY
     Cloning and analysis of genes for anthrax toxin
   components
   AD-A161901]
                                      p 212 N86-24186
LEUCINE
     Isoleucine stereoisomers on the earth
                                      p 154 A86-26198
LEUKEMIAS
     Studies of participants in nuclear tests
                                       p 38 N86-12964
LEUKOCYTES
    Leukocytic reactions caused by emotional stress
    Changes in the morphofunctional and cytochemical
  indices of blood leukocytes after exposure to low-intensity
  microwave radiation
                                       p 52 A86-18150
    Partial recovery of neutrophil functions during prolonged
  hypothermia in pigs
                                      p 246 A86-36220
    HLA-D: The T cell perspective
  [AD-A160019]
                                       p 84 N86-17976
    DNA and protein studies of HLA class 2 molecules: Their
  relationship to T cell recognition
  [AD-A160704]
                                      p 116 N86-18968
    Production of gamma- and alpha-interferon by human
  blood leukocytes under successive induction conditions
                                     p 217 N86-23229
    Macrophage structure and function
  [AD-A163314]
                                      p 276 N86-26793
LEVEL (QUANTITY)
    Instrument lighting levels and AN/AVS-6 usage
  [AD-A161538]
                                     p 187 N86-21148
   Effects of atropine sulfate on aircrew performance
  [AD-A165063]
LICENSING
   Instructions for flight crew members and flight crew
  training and examination guidelines of the West German 
Federal Board of Transport
 [REPT-1]
                                      p 95 N86-17985
    The history of aeronautical medicine in Venezuela
 [NASA-TM-77709]
                                     p 176 N86-22094
LICHENS
        biological efficiency of dust emmission:
  Determination based on the withering degree of exposed
```

p 169 N86-21047

Investigation of mineral nutrition of a new form of

LIFE RAFTS	Life Sciences Space Station planning document: A
Low temperature inflator apparatus	reference payload for the Life Sciences Research
[AD-D011810] p 45 N86-12974	Facility
LIFE SCIENCES	[NASA-TM-89188] p 393 N86-30302
Could life have arisen in the primitive atmosphere?	LIFE SPAN
p 24 A86-12004	The geroprotective activity of 2,6-dimethyl
Extremely thermophilic bacteria living at temperatures	3,5-diethoxycarbonyl 1,4-dihydropyridine
above 100 C p 25 A86-13648	p 49 A86-16783
Fact and assumption in studies on the origins of life	LIFE SUPPORT SYSTEMS
p 48 A86-14115	Hermes ECLSS - Review of general requirements and
Neurochemical mechanisms of artificial hypobiosis and	application to the spaceplane definition
chemical thermoregulation p 27 A86-15525	[IAF PAPER 85-304] p 45 A86-15817
Utilization of space stations in the field of life sciences	Basic consideration on CELSS
[IAF PAPER 85-51] p 35 A86-15637	[IAF PAPER 85-307] p 45 A86-15819
Spacelab life sciences flight experiments - An integrated	Artificial closed ecosystem 'man-plants' with a ful
approach to the study of cardiovascular deconditioning	regeneration of atmosphere, water and ration vegetable
and orthostatic hypotension	part
[IAF PAPER 85-316] p 36 A86-15826	[IAF PAPER 85-308] p 45 A86-15820
The evolution of complex life	U.S. Navy ALSS corporate report 1984
[IAF PAPER 85-465] p 48 A86-15919	p 96 A86-19308
Ames Research Center life sciences payload - Overview	Molecular sieve oxygen systems and aircraft role
of results of a spaceflight of 24 rats and 2 monkeys	p 96 A86-1931
	Human error in life support operations
	p 96 A86-1933
Space Station life sciences guidelines for nonhuman	Pilot underwater high pressure emergency breathing
experiment accommodation (SAE PAPER 851370) p 104 A86-23553	07 400 400 4
The life sciences on board of Spacelab D1	An expert systems approach to automated faul
p 106 A86-24610	management in a regenerative life support subsyster [AIAA PAPER 86-0321] p 98 A86-1981
Critical life science issues for a Mars base	
[AAS 84-167] p 156 A86-28793	Controlled ecological life support systems for spac habitats p 98 A86-2232
Considerations in the design of life sciences research	
facilities for the Space Station p 200 A86-30441	Evolution of the Shuttle Extravehicular Mobility Unit
Space Station life science research facility - The	life support system
vivarium/laboratory p 201 A86-30449	[SAE PAPER 851333] p 137 A86-2352
Life science research on the Space Station	Electrochemical CO2 concentration for the Space
p 201 A86-30451	Station Program
Life science opportunities in the Space Station	[SAE PAPER 851341] p 138 A86-2352
p 275 A86-37855	Comparison of CO2 reduction process - Bosch an
In the beginning there was clay?	Sabatier
p 297 A86-38624	[SAE PAPER 851343] p 139 A86-2353
RNA catalysis and the origin of life	Phase change water processing for Space Station
p 372 A86-41043	[SAE PAPER 851346] p 139 A86-2353
The synthesis of primitive 'living' forms - Definitions,	Space Station nitrogen supply system based on store
goals, strategies and evolution synthesizers	chemicals
p 372 A86-41045	[SAE PAPER 851349] p 139 A86-2353
Space Station - Life sciences	Space Station Environmental Control/Life Suppo
[AIAA PAPER 86-2346] p 393 A86-46960	System engineering
[	[SAE PAPER 851375] p 140 A86-235
Life sciences research on the space station: An	Environmental Control and Life Support System
introduction [NASA-TM-86836] p.3 N86-10734	technology options for Space Station application
	[SAE PAPER 851376] p 140 A86-235
USSR report: Life sciences. Biomedical and behavioral	Potential for utilization of algal biomass for componer
sciences	of the diet in CELSS
[JPRS-UBB-85-023] p 4 N86-10738	[SAE PAPER 851388] p 140 A86-235
USSR Space Life Sciences Digest, Issue 2	Simulation model for plant growth in controll
[NASA-CR-3922(02)] p 28 N86-12949	environment systems
China report: Science and technology	[SAE PAPER 851390] p 104 A86-235
[JPRS-CST-85-019] p 39 N86-12966	BLSS, a European approach to CELSS Biologic
Protection of eyes against laser damage studied	Life Support Systems
p 39 N86-12967	[SAE PAPER 851391] p 141 A86-235
Life sciences accomplishments	Utilization of membranes for H2O recycle system
[NASA-TM-88177] p 29 N86-13879	[SAE PAPER 851394] p 141 A86-235
	Description of concept and first feasibility test resu
Effects of 60 Hz electric fields on operant and social	of a life support subsystem of the Botany Facility bas
stress behaviors of nonhuman primates [DE85-011992] p 30 N86-13885	on water reclamation
<u> </u>	[SAE PAPER 851397] p 104 A86-235
USSR report: Life sciences. Biomedical and behavioral	Wet-oxidation waste management system for CEL
sciences	[SAE PAPER 851398] p 141 A86-235
[JPRS-UBB-85-004] p 54 N86-14845	Sodium and potassium recycle in clos
USSR report: Life sciences. Biomedical and behavioral	ecosystem-space agriculture p 144 A86-25
sciences	Mass-balance model for a controlled ecological
[JPRS-UBB-85-024] p 64 N86-14885	support system on Mars
USSR report: Life sciences. Biomedical and behavioral	[AAS 84-184] p 186 A86-28
sciences	The evolution of CELSS for lunar bases Control
[JPRS-UBB-85-025] p 83 N86-16881	Ecological Life Support Systems p 239 A86-30
USSR Space Life Sciences Digest, issue 3	Wheat farming in a lunar base p 191 A86-30
[NASA-CR-3922(03)] p 106 N86-18949	Metabolic support for a lunar base
Summaries of 1984-85 NASA space-gravitational	p 191 A86-30
biology accomplishments	Concepts for the life support subsystem in the EURE
[NASA-TM-88379] p 107 N86-18950	Botany Facility
	[DGLR PAPER 85-126] p 245 A86-34
New roles for computation in the life sciences	Environmental control and life support systems
[DE85-017542] p 158 N86-21100	p 406 A86-44
USSR Space Life Sciences Digest, issue 4	Environmental control/life support system for Sp
[NASA-CR-3922(04)] p 209 N86-23218	Station p 407 A86-45
USSR report: Life sciences. Biomedical and behavioral	Growth evolution of the Space Station ECLSS
sciences	
[JPRS-UBB-86-004] p 212 N86-23258	
USSR Space Life Sciences Digest, issue 5	Tactical Life Support System (TLSS) aircrew integri garment p 431 A86-47
[NASA-CR-3922(05)] p 248 N86-25109	
USSR Space Life Sciences Diges: Index to Issues 1-4	Biocidal synthetic coatings based on high-molecometalographic compounds p 55 N86-14
[NASA-CR-3922(06)] p 248 N86-25971	metaloorganic compounds p 55 N86-14 Investigation of distinctions referable to gro
Evolviology experiment concents for space station	development and matcheliam of Clasteriopsis acids

p 310 N86-27152

p 277 N86-27864

```
nce payload for the Life Sciences Research
                              p 393 N86-30302
  -TM-891881
                     activity
                               of
                                     2,6-dimethyl
    geroprotective
 thoxycarbonyl 1,4-dihydropyridine
                                p 49 A86-16783
 PPORT SYSTEMS
 mes ECLSS - Review of general requirements and
  ition to the spaceplane definition
                                p 45 A86-15817
 APER 85-3041
 ic consideration on CELSS
  APER 85-3071
                                n 45 A86-15819
 ficial closed ecosystem 'man-plants' with a full
  eration of atmosphere, water and ration vegetable
 PAPER 85-3081
                                p 45 A86-15820
  Navy ALSS corporate report 1984
                                p 96 A86-19309
 lecular sieve oxygen systems and aircraft role
                                p 96 A86-19315
 man error in life support operations
                                p 96 A86-19330
 ot underwater high pressure emergency breathing
                                p 97 A86-19343
  expert systems approach to automated fault
 gement in a regenerative life support subsystem
                                 p 98 A86-19811
  PAPER 86-03211
  ntrolled ecological life support systems for space
                                 p 98 A86-22325
 olution of the Shuttle Extravehicular Mobility Unit's
 upport system
                                p 137 A86-23522
  PAPER 8513331
 ectrochemical CO2 concentration for the Space
 on Program
                                p 138 A86-23528
  PAPER 8513411
 emparison of CO2 reduction process - Bosch and
                                p 139 A86-23530
  PAPER 851343]
 ase change water processing for Space Station
                                p 139 A86-23532
  PAPER 851346]
  ace Station nitrogen supply system based on stored
  nicals
                                 p 139 A86-23535
  PAPER 851349]
  pace Station Environmental Control/Life Support
  em enaineerina
 E PAPER 851375] p 140 A86-23558
ovironmental Control and Life Support Systems
 nology options for Space Station application
                                p 140 A86-23559
  E PAPER 851376)
 otential for utilization of algal biomass for components
  e diet in CELSS
                                 p 140 A86-23567
 E PAPER 851388]
 imulation model for plant growth in controlled
                                 p 104 A86-23568
  E PAPER 8513901
  LSS, a European approach to CELSS --- Biological
  Support Systems
                                 p 141 A86-23569
 F PAPER 8513911
 Itilization of membranes for H2O recycle system
                                 p 141 A86-23571
  E PAPER 851394]
  escription of concept and first feasibility test results
  life support subsystem of the Botany Facility based
                                 p 104 A86-23574
 F PAPER 8513971
 Vet-oxidation waste management system for CELSS
                                 p 141 A86-23575
cycle in closed
p 144 A86-25199
  E PAPER 851398}
                              recycle
 Sodium and potassium
  system-space agriculture
  lass-balance model for a controlled ecological life
  port system on Mars
                                  p 186 A86-28810
  S 84-1841
  he evolution of CELSS for lunar bases --- Controlled
                                  p 239 A86-30164
  plogical Life Support Systems
                                  p 191 A86-30165
  Vheat farming in a lunar base
  Metabolic support for a lunar base
                                  p 191 A86-30166
  Concepts for the life support subsystem in the EURECA
 tany Facility
                                  p 245 A86-34573
 GLR PAPER 85-126]
  Environmental control and life support systems
                                  p 406 A86-44534
 Environmental control/life support system for Space
                                  p 407 A86-45692
  Growth evolution of the Space Station ECLSS
                                  p 407 A86-46943
  IAA PAPER 86-2313]
 Tactical Life Support System (TLSS) aircrew integrated 
p 431 A86-47746
 Biocidal synthetic coatings based on high-molecular
                                    p 55 N86-14870
  etaloorganic compounds
 Investigation of distinctions referable to growth,
development and metabolism of Closteriopsis acicularis
algae when cells are limited in nitrogen as related to
biological life-support systems for man
                                    p 57 N86-15883
```

```
microalgae to be used in biological life-support system
                                    p 57 N86-15892
  Design guidelines for carbon dioxide scrubbers, revision
                                    p 147 N86-18989
[AD-A160181]
  Hydienic aspects of water supply for chamber sanitary
facilities, changes of divers' bacterial mouth flora and
 effectiveness of ear prophylaxis in saturation dives
                                   p 124 N86-19874
  Gas and water recycling system for IOC vivarium
                                   p 150 N86-19920
 experiments
  An examination of the life
                                  support equipment
 development and acquisition process
 TAD-A1622411
                                   p 242 N86-24221
   Defining reclaimed water potability requirements
                                    p 410 N86-31422
   Air Force technical objective document, Aerospace
 Medical Division, FY 1987
 [AD-A167422]
                                    p 423 N86-32090
   Controlled environment life support system: Growth
 studies with potatoes
                                     p 434 N86-32101
 INASA-CR-1774001
  Elementary design guidelines for CO2 scrubbing with LiOH, technical manual
                                    p 444 N86-33022
 [AD-A168850]
   Comparison of male and female maximum lifting
 capacity
                                     p 171 N86-21111
 [AD-A160687]
LIGANDS
                                         ligation
   Template-directed oligonucleotide
                                     p 393 A86-45960
  hydroxylapatite
    Particulate models of photosynthesis
                                     p 160 N86-22090
  IDE86-0016251
LIGHT (VISIBLE RADIATION)
    The effect of ultradian and orbital cycles on plant
                                    p 153 N86-19940
  arowth
   Effect of intensive visible light on activity of glutathione
  peroxidase in pigmented epithelium of eye
                                     p 210 N86-23226
LIGHT ADAPTATION
   Photoconversion from the light-adapted to the
  dark-adapted state of bacteriorhodopsin
                                     p 374 A86-43434
    The rhodopsin-like pigments of halobacteria
  Light-energy and signal transducers
                                     p 415 A86-50271
  archaebacterium
    Calculations on technical requirements for protection
  devices against a nuclear light flash
                                      p 284 N86-26819
    Effect of rhythmic photic interference on working
  electroencephalogram and efficiency of human movements p 292 N86-27883
LIGHT AIRCRAFT
     Validation of SOM-LA occupant response ---
   Seat/Occupant Model - Light Aircraft
                                      p 293 A86-38510
   [SAE PAPER 850850]
 LIGHT EMITTING DIODES
   Visibility threshold range observations of LED emergency egress lighting strips and signs through dense
                                      p 417 A86-47729
   smoke and turbid water
     An automated system for comprehensive assessment
   of visual field sensitivity
                                       p 178 N86-22104
   [AD-A162755]
     A preliminary study of flat-panel displays
                                      p 236 N86-24546
     Night vision compatible illumination for vehicle
   crewmember workspace
   (AD-D0123391
                                       p 443 N86-33018
 LIGHT SCATTERING
     New physical methods for biological aerosol detection
                                       p 29 N86-13881
   (AD-A1582181
 LIGHT SOURCES
     Eye protection against intense light sources
                                       p 284 N86-26818
  LIGHTING EQUIPMENT
      Instrument lighting levels and AN/AVS-6 usage
                                       p 187 N86-21148
    [AD-A161538]
     Night vision compatible illumination for vehicle
    crewmember workspace
                                       p 443 N86-33018
    [AD-D012339]
      The development and evaluation of color systems for
    airborne applications: Fundamental visual, perceptual and
    display systems considerations
                                       p 443 N86-33020
    [AD-A168563]
  LIGHTNING
      A gas chromatograph experiment for a Titan entry
                                       p 299 N86-26856
    probe
  LIMBS (ANATOMY)
      Recovery in skeletal muscle contractile function after
    prolonged hindlimb immobilization
                                         p 1 A86-10109
                                         p 96 A86-19329
      Limb Restraint Evaluator (LRE)
    Effect of seven days of spaceflight on hindlimb muscle protein, RNA and DNA in adult rats p 204 A86-30471
```

INASA-CR-3922(07)1

USSR Space Life Sciences Digest, Issue 6

hypokinesia

**LOW TEMPERATURE ENVIRONMENTS** Models of disuse - A comparison of hindlimb suspension LIPOIC ACID Periodisation and classification of adaptive reactions of and immobilization D 391 A86-44106 Study of cell-wall antigen determinants in ribosomal man in prolonged space flights [IAF PAPER 84-185] Heat transfer mechanism in human extremities preparations of group a streptococcus p 14 N86-10759 p 10 A86-12363 n 220 N86-23243 Human physiological adaptation to extended Space Limb regeneration in amphibians, a suitable model for Flight and its implications for Space Station investigations of the effects of weightlessness as regards New roles for computation in the life sciences [SAE PAPER 851311] evolution and modifications D 388 N86-29520 p 110 A86-23502 p 158 N86-21100 Initial development and performance evaluation of a LIMNOLOGY LIQUID COOLING Recovery of viable thermoactinomyces vulgaris and process for formation of dense carbon by pyrolysis of Development of an improved liquid cooling system other aerobic heterotropic thermophiles from a varved protective clothing methane p 97 A86-19341 [SAE PAPER 851342] sequence of ancient lake sediment p 51 A86-18030 LIQUID CRYSTALS p 138 A86-23529 Fiber optic pressure sensors Water quality monitor for recovered spacecraft water Aspects of the biogeochemistry of Big Soda Lake, in skin-friction [SAE PAPER 851347] measurements Neveda p 139 A86-23533 LINE OF SIGHT [NASA-CR-1762941 Performance and endurance testing of a prototype D 16 N86-11838 Preferred declination of the line of sight A preliminary study of flat-panel displ carbon dioxide and humidity control system for Space Shuttle extended mission capability p 236 N86-24546 p 406 A86-45014 LIQUID FUELS [SAE PAPER 851374] Mild hypoxia and visual performance with night vision p 140 A86-23557 Health hazard evaluation of liquid monopropellants. CELSS experiment model and design concept of gas Phase 5: Comparative inhalation toxicities of LGP 1776, [AD-A1569691 p 23 N86-10787 LGP 1845, and HAN (hydroxylammonium nitrate) [SAE PAPER 851393] LINE SPECTRA p 141 A86-23570 [AD-A159090] Metabolic aspects of the problem of stress in space p 40 N86-13891 Method of changes in reversible pattern masking as LITHIUM COMPOUNDS factor in visual perception flight --- Russian book p 221 N86-23263 D 105 A86-24136 Elementary design guidelines for CO2 scrubbing with Countermeasures for the effects of prolonged LINEAR EQUATIONS LiOH, technical manual Descriptive Linear modeling of steady-state visual weiahtlessness [AD-A168850] p 444 N86-33022 [AAS 84-187] evoked response p 436 N86-32977 LITHOSPHERE p 162 A86-28813 Psychological considerations in long-duration space LINEAR PROGRAMMING Simulation of thermal polycondensation processes of A computer model of driver response
[UTIAS-293] missions An overview amino acids during the migration of their aqueous solutions [AAS 84-188] p 72 N86-15911 the earth's lithosphere p 179 A86-28814 p 274 A86-34489 Concerns are being raised about living in the space LINEAR SYSTEMS LIVER Syllogistic reasoning tasks, a methodological review Plasma volume and estimated liver plasma flow during n 163 A86-29499 hyperbaric and hyperoxic exposures in awake dogs p 52 A86-18841 [AD-A159190] Space Station design criteria for long-term human p 71 N86-14892 LINEARITY habitation [DGLR PAPER 85-147] Hepatic enzymes of sphingolipid and glycerolipid Determination of symmetry and phase in human visual p 269 A86-35185 biosynthesis in rats from Spacelab 3 response functions: Theory and experiments Biological life-support systems for long-duration space p 205 A86-30475 flights p 15 N86-10769 D 47 NR6-14160 Hepatic enzyme adaptation in rats after space flight LINGUISTICS Architect discusses space habitat designs Use of a linguistic test in the course of large-scale p 205 A86-30476 p 47 N86-14161 USSR report: Space Biology and Aerospace Medicine, no. 1, January - February 1986 [JPRS-USB-86-003] p 278 N86-27878 physiological selection of men for work in an advers The rhythms of paramagnetic-center concentration in mouse liver and a mathematical model of synchronized autooscillations p 247 A86-36497 environment p 35 A86-15523 autooscillations Syllogistic reasoning tasks, a methodological review Interaction of asialoglycoprotein receptor of hepatocytes with chemically galactosilated acid alpha-glucosidase [AD-A159190] Prospects for using ultraviolet radiation in long-term p 71 N86-14892 Components of verbal intelligence spaceflights p 285 N86-27879 p 210 N86-23224 [AD-A163359] The temporal response of bone to unloading p 290 N86-26828 LIPID METABOLISM [NASA-TM-89228] Farm animals as source of yersiniosis p 397 N86-30303 Enhanced metabolic response to exercise-trained human subjects p Analysis of nystagmus response to caffeine in p7 A86-10106 to a pseudorandom p 217 N86-23230 velocity input LOADING OPERATIONS p 402 N86-31426 The effect of different regimens of running training on Selection of an appropriate animal model for study of Design and production of damage-resistant tray pack the physical work capacity and blood plasma lipids and bone loss in weightlessness p 412 N86-31436 containers Evaluation of the need for a large primate research lipoproteins in untrained male and female students AD-A164595] p 294 N86-26837 facility in space [NASA-CR-179661] p 89 A86-22537 LOADS (FORCES) Possible effect of hyperlipemia on the development and course of atherosclerosis in flight personnel Your space suit and you - Significance of manloading p 444 N86-32111 LONG TERM EFFECTS in pressure suit design Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West p 90 A86-22568 [SAE PAPER 851334] p 137 A86-23523 Hepatic enzymes of sphingolipid and glycerolipid biosynthesis in rats from Spacelab 3 Effects of gravitational and muscular loading on bone Germany on 11-13 September 1984 formation in growing rats p 194 A86-30396 [AD-A157090] p 205 A86-30475 p 38 N86-12959 A review of the pilot backache problem in the CH113 Effect of elevated FFA on carbohydrate and lipid USSR report: Space Biology and Aerospace Medicine, volume 19, no. 5, September - October 1985

[JPRS-USB-85-007] p 54 N86-14848 Labrador helicopter oxidation during prolonged exercise in humans [AD-A164011] p 256 N86-25113 p 54 N86-14848 p 215 A86-30679 LOCI Activation of cholesterogenesis under the effect of Metabolic distinctions of human red blood during An investigation into effects of environmental changes ionizing radiation on a living body p 207 A86-32697 long-term spaceflights p 60 N86-14850 on locus of control Microcirculation and cellular hemostasis in men with Roentgenological and pathomorphological changes in [AD-A160861] p 135 N86-18987 heart of dogs submitted to hypokinesia for six months arterial hypertension submitted LOCKING neutral-temperature dry immersion in water p 54 N86-14856 Elbow and knee joint for hard space suits Contractile properties of rat muscle fibers during [NASA-CASE-ARC-11610-1] p 61 N86-14854 p 384 N86-28619 Effect of level of physical activity on lipid metabolism long-term exposure to +2 Gx accelerations LOCOMOTION of flight personnel p 54 N86-14858 p 65 N86-15871 Intracellular pH shift leads to microtubule assembly and LIPIDS Combined effects of stressors on the level of spinal microtubule-mediated motility during sea urchin fertilization
- Correlations between elevated intracellular pH and Archaebacterial lipids in hot-spring microbial mats reflex arc structures p 62 N86-14871 Basic results of experiments with long-term rotation of p 80 A86-21587 microtubule activity and depressed intracellular Intensity of lipid peroxidation in hypokinetic rat tissue rats as applied to the problem of artificial gravity microtubule disassembly p 82 A86-22709 p 56 N86-15878 Perceptual-motor coordination and adaptation during p 56 N86-15876 Gas chromatographic analysis of free fatty acids of skin The temporal response of bone to unloading locomotion - Determinants of prism adaptation in hall [NASA-TM-89228] surface lipids p 397 N86-30303 p 67 N86-15891 exposure p 131 A86-24324 Dynamics of peroxide oxidation of lipids during stress Multiparameter data acquisition systems for studies of Vestibular and visual control on posture and locomotor Circadian rhythms p 83 N86-16883 p 109 N86-19831 equilibrium --- Book p 183 A86-27671 [DE86-004041] Micellar enzymology p 398 N86-30308 Some remarks on gravitational biology Proceedings: Protons and Membrane Reactions held LOSSES p 387 N86-29517 at Santa Barbara, California on 28 January - 1 February Effects of atropine sulfate on aircrew performance Investigations of Paramecium cells analyzed under IAD-A1650631 1985 p 290 N86-27919 microgravity conditions p 387 N86-29518 LOW PRESSURE p 159 Questions on the evolution of the developmental N86-22082 Studies on the mechanism of suppression of the immune program of the vertebrate inner ear under long term zero a conditions p 389 N86-29530 Can plants grow in quasi-vacuum? response by synthetic, non-toxic adjuvants p 152 N86-19931 LOW TEMPERATURE LOGICAL ELEMENTS p 160 N86-22085 Test of erythrocyte antigen diagnostic agent for detecting The effect of cold training and the wearing of gloves Issues in rule identification and logical induction on manual performance in the cold: A comparison of pure antibodies to coxiella burnetti p 218 N86-23231 p 434 A86-49634 Biosensors from membrane proteins reconstituted in ability and operational tasks LOGISTICS polymerized lipid bilayers [AD-A1638931 p 273 N86-25124 A general model for the homogeneous case of the continuous response Intrinsic alteration of the reactive properties of arteries [AD-D012160] p 248 N86-25974 Effect of intensive operator work on lipid peroxidation [AD-A159345] during hypothermia p 73 N86-15914 [AD-A1665231 Drocesses in man p 286 N86-27882 p 402 N86-31213 LONG DURATION SPACE FLIGHT Collagen, lipid and glycogen content of rat skeletal muscles in recovery period after 15- and 30-day LOW TEMPERATURE ENVIRONMENTS Preliminary medical results of the 5-month flight onboard Effect of increased body clothing insulation on hand

Salyut-7-Soyuz-T

[IAF PAPER 84-184]

p 279 N86-27886

p 22 N86-10786

temperature in a cold environment

[AD-A156597]

p 10 A86-12362

Platelet-endothelial function in relation to environmental	LUNAR TIDES	Magnetic-field hazards bibliography, 2nd edition
temperature	The lunar nodal tide and the distance to the Moon during the Precambrian era p 305 N86-26886	[AD-A160154] p 107 N86-18955 Rat brain impedance in stationary magnetic field
[AD-A160744] p 116 N86-18970 LOW VISIBILITY	LUNG MORPHOLOGY	p 174 N86-21128
Visibility threshold range observations of LED	Characteristics of external respiration in inhabitants of	Physical endurance of rats during intensive and repeated exposure to stationary magnetic field
emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729	the northeastern USSR p 9 A86-10698	p 279 N86-27894
smoke and turbid water p 417 A86-47729  LOWER BODY NEGATIVE PRESSURE	A fundamental problem in determining functional residual capacity or residual volume of lungs	Physical interaction of humans and animals with
Effect of head-down tilt on basal plasma norepinephrine	p 281 A86-39099	power-frequency electric and magnetic fields [DE86-007734] p 402 N86-31215
and renin activity in humans p 11 A86-12377	Lung volumes and dynamic compliance during	[DE86-007734] p 402 N86-31215 Growth and development of rhesus monkeys exposed
Hemodynamics during short-term application of lower body negative pressure p 33 A86-15514	immersion and oxygen breathing p 122 N86-19860 LUNGS	to ELF (Extremely Low Frequency) electric and magnetic
Cardiorespiratory responses to lower body negative	Protein concentration elevations in lungs of mice	fields during the first 54 months of life [AD-A168733] p 417 N86-32953
pressure and tilt tests after exposure to simulated weightlessness p 215 A86-30387	following sudden, transient cephalad (+Gz) acceleration	[AD-A168733] p 417 N86-32953 MAGNETIC FLUX
weightlessness p 215 A86-30387 Hemodynamic response to LBNP following 2 hours HDT	p 199 A86-30437 Transient dehydration of lungs in tail-suspended rats	The effect of a weak variable ultralow-frequency
(-6 deg) lower body negative pressure with head-down	p 200 A86-30438	magnetic field on the development of hypercoagulation syndrome in rats caused by restricted mobility
tilt p 252 A86-36309	Bioassay of military relevant compounds for	p 79 A86-19300
Cardiovascular dynamics associated with tolerance to lower body negative pressure p 253 A86-36310	carcinogenic activity by the strain A mouse lung tumor bioassay	MAGNETIC RESONANCE
Forearm skin and muscle vasoconstriction during lower	[AD-A156772] p 93 N86-17981	Inverse Faraday effect in hemoglobin detected by Raman spectroscopy: An example of magnetic resonance
body negative pressure p 280 A86-39093 Cardiovascular responses of women to lower body	A model of inhaled gas and vapor transport in the human	Raman activity
negative pressure p 377 A86-41779	lung [AD-A160829] p 117 N86-18976	[AD-A159806] p 84 N86-17975
Endocrine and fluid metabolism in males and females	Lung rupture as a complication in free escape from	MAGNETIC STORMS  Effect of cosmoheliogeophysical factors on bacterial
of different ages after bedrest, acceleration and lower body	submarines p 122 N86-19862	agglutionation in vitro p 155 A86-27473
negative pressure [NASA-TM-58270] p 39 N86-13886	Forced expiration parameters in healthy man submitted to simulated weightlessness p 173 N86-21121	MAGNETOCARDIOGRAPHY
LUMINANCE	Remote sensing of body signs and signatures	A bidomain model for the extracellular potential and magnetic field of cardiac tissue p 206 A86-31224
Precision and accuracy of oculocentric direction for targets of different luminances p 58 A86-17351	[AD-A162106] p 224 N86-24199	MAGNETS
targets of different luminances p 58 A86-17351 Effects of adaptation and display luminance on CRT	Concerning barotrauma of the lungs-translation [AD-A165006] p 289 N86-27914	Magnets and surgical procedures p 119 N86-19841
symbol recognition time p 240 A86-32315	LYMPH	MAINTENANCE Research on the specification and acquisition of
Vision test chart and method using Gaussians [AD-D011756] p 20 N86-10778	The effect of hypoxia on the dynamics of the peripheral	maintenance training simulators in the U.S. Air Force
[AD-D011756] p 20 N86-10778  Luminance and chromaticity signal processing in the	lymph flow p 393 A86-45323 LYMPHOCYTES	p 268 A86-33823
human visual system p 121 N86-19852	Cytochemical studies of blood lymphocytes in the	Principles of instruction for successful assembly and repair
LUMINOUS INTENSITY  Perceived contrast in the fovea and periphery in	diagnosis and forecasting of changes in the functional	[AD-A161280] p 180 N86-21142
human retina	status of athletes p 89 A86-22540 Study of hypokinesia and acceleration effects on human	Human factors activities in teleoperator development at
[AD-A162557] p 19 A86-11148	chromosomes p 12 N86-10740	the Oak Ridge National Laboratory [DE86-005160] p 408 N86-30340
Red light shifts the locus and rate of gravitropic curvature in etiolate pea epicotyls p 196 A86-30413	Variation in baseline sister chromatid exchange	MALES
in etiolate pea epicotyls p 196 A86-30413 Mild hypoxia and visual performance with night vision	frequencies in humans [DE85-016084] p 64 N86-14883	Helicopter-referenced single control, center-position
goggles	Clonal analysis of HLA-DR and -dQ associated	force exertion capabilities of males and females [AD-A161234] p 154 N86-19946
[AD-A156969] p 23 N86-10787 Effect of intensive visible light on activity of glutathione	determinants: Their contribution to dw specificities	[AD-A161234] p 154 N86-19946 Comparison of male and female maximum lifting
peroxidase in pigmented epithelium of eye	[AD-A160059] p 84 N86-17977 Molecular approaches to selective immunization	capacity
p 210 N86-23226	[AD-A160141] p 107 N86-18954	[AD-A160687] p 171 N86-21111 Distinctions in reactions to active orthostatic and
Standardization of conditions for measuring intensity of specific fluorescence in continuous cell cultures infected	Lymphocyte activation - regulatory substances	water-loading tests of subjects differing in tolerance to
with variants of Japanese encephalitis virus	[AD-A162683] p 160 N86-22087 Experimental evaluation of pathogenicity of different	positive Gz accelerations p 173 N86-21118
p 211 N86-23255	variants of lassa virus p 211 N86-23254	Cerebral circulation and oxygenation in healthy man during graded exercise in antiorthostatic position
Eye protection against intense light sources p 284 N86-26818	Magnetic separation device	p 173 N86-21120
LUNAR ATMOSPHERE	[AD-D012163] p 249 N86-25975 Macrophage structure and function	Effect of restricted motor activity on alanine level in
Interaction between Escherichia coli and lunar fines	[AD-A163314] p 276 N86-26793	human plasma p 173 N86-21122 Evaluation of condition of human skin in a closed
p 30 N86-14088	T and B components of immunity in the presence of	environment by means of chromatography
Environmental considerations and waste planning on the	acute mountain sickness p 286 N86-27892 LYSOZYME	p 174 N86-21130
lunar surface p 239 A86-30149	Protein crystal growth results from shuttle flight 51-F	Electrocardiogram in NEHB type leads of Macaca mulatta monkeys p 175 N86-21137
The evolution of CELSS for lunar bases Controlled Ecological Life Support Systems p 239 A86-30164	[NASA-CR-178540] p 82 N86-16875	The effects of ketamine on Rhesus monkey skeletal
Wheat farming in a lunar base p 191 A86-30165	Elevations of plasma endotoxin levels and lysosomal enzyme activities in divers during a simulated chamber	dynamics [AD-A162848] p.213 N86-24189
Metabolic support for a lunar base	dive to 300 msw p 123 N86-19866	[AD-A162848] p 213 N86-24189 Effect of heat and chemical protective clothing on
p 191 A86-30166 Implementing supercritical water oxidation technology		cognitive performance
in a lunar base environmental control/life support	M	[AD-A162001] p 242 N86-24218 Effectiveness of an air-cooled vest using selected air
system p 240 A86-30167	**********	temperature and humidity combinations
Comparative effect of lunar fines and terrestrtrial ash on the growth of a blue-green alga and germinating radish	MACROPHAGES Enhancing effects of gamma interferon on phagocytic	[AD-A162026] p 242 N86-24219
seeds p 30 N86-14097	cell association with and killing of Trypanosoma cruzi	Perceptual and physiological responses during exercise
LUNAR COMPOSITION	p 371 A86-40666	in cool and cold water [AD-A165491] p 283 N86-26800
Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168	Macrophage structure and function [AD-A163314] p 276 N86-26793	Metabolic changes following eccentric exercise in
and radiation doses p 191 A86-30168  LUNAR ENVIRONMENT	MAGNESIUM ISOTOPES	trained and untrained men [AD-A166521] p 402 N86-31211
Comparative effect of lunar fines and terrestririal ash	Changes in physicochemical properties of contractile	[AD-A166521] p 402 N86-31211  MALFUNCTIONS
on the growth of a blue-green alga and germinating radish	and regulatory proteins in different types of muscles during and after exposure to accelerations p 61 N86-14860	Flow cytometry analysis of hormone receptors on human
seeds p 30 N86-14097 LUNAR GRAVITATIONAL EFFECTS	MAGNETIC EFFECTS	peripheral blood mononuclear cells to identify stress-induced neuroendocrine effects
The lunar nodal tide and the distance to the Moon during	The effect of a weak variable ultralow-frequency	p 403 N86-31428
the Precambrian era p 305 N86-26886	magnetic field on the development of hypercoagulation syndrome in rats caused by restricted mobility	MAMMALS
LUNAR LOGISTICS  Comparative effect of lunar fines and terrestririal ash	p 79 A86-19300	Early mammalian development under conditions of reorientation relative to the gravity vector
Comparative effect of lunar fines and terrestriral ash on the growth of a blue-green alga and germinating radish	The dependence of thromboelastographic indices in	p 194 A86-30399
seeds p 30 N86-14097	healthy subjects on geomagnetic-field conditions p 90 A86-22545	Growth and differentiation of mammalian embryonic
LUNAR SOIL	The effect of external factors on the reactions modeling	tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400
Interaction between Escherichia coli and lunar fines p 30 N86-14088	biological processes (Piccardi test) cosmoheliogeophysical effects p 247 A86-36498	Early postnatal development of rats gestated during flight
Effects of lunar soil, Zagami meteorite, and ocean ridge	cosmoheliogeophysical effects p 247 A86-36498 MAGNETIC FIELDS	of Cosmos 1514 p 195 A86-30402
basalt on the excretion of itoic acid, a siderophore, and	Monitoring of circadian waveforms in rodents exposed	A marsupial model for the investigation of gravitational effects on early development p 195 A86-30404
coproporphyrin by Bacillus subtilis p 412 N86-31421	to high-intensity static magnetic fields [DE85-015225] p 28 N86-12952	A benzodiazepine used in the treatment of insomnia
LUNAR SURFACE  Radiation transport of cosmic ray nuclei in lunar material	Biological effects of electric fields	phase-shifts - The mammalian circadian clock
and radiation doses p 191 A86-30168		p 372 A86-40875

Teleoperation of legged vehicles - Unique problems

associated with walking and foot placement

USSR report: Life sciences, Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28810 MAMMARY GLANDS Evaluation of radiation exposure from diagnostic radiology examinations: Technique/exposure guides for the craniocaudal projection in mammography p 222 N86-23274 MAN ENVIRONMENT INTERACTIONS The environment and the heart --- Russian book p 25 A86-13460 The influence of the initial value of a parameter on its change under the action of external factors --- individual physiological responses of organization to external p 157 A86-29275 factors Environmental considerations and waste planning on the p 239 A86-30149 lunar surface Complex approach to the study of adaptive systemic reactions and functional states in man. I - The time factor in the formation of subcomplexes of systemic physiological state dynamics, and the ne study p 216 A86-30893 indexes of functional instrumentation used in the study The theoretical principles of adaptation --- physiological sponses to environment p 208 A86-33072 responses to environment The effect of external factors on the reactions modeling processes biological (Piccardi ardi test) ---p 247 A86-36498 cosmoheliogeophysical effects The dynamics of systemic functional organization during adaptation to work in extreme environments p 254 A86-36530 Substantiation of physiological criteria for assessing the functional status of the human body in high-temperature environments Adaptation of man to extreme conditions of Antarctica p 13 N86-10751 Individual typological self-regulation of cardio-vascular p 13 N86-10752 MAN MACHINE SYSTEMS Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223 Normalized predictive deconvolution - A time series algorithm for modeling human operator dynamics p 44 A86-14238 Ensuring Space Station human productivity [IAF PAPER 85-500] p 45 A86-15944 The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771 A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772 PLANT - An experimental task for the study of human problem solving in process control --- Production Levels nd Network Troubleshooting p 70 A86-17774 Pilots of the future - Human or computer? p 74 A86-18541 Systems of efficient man-computer interaction Russian book p 74 A86-18730 Muscle vibrations and man-machine system dynamics Russian book p 74 A86-18731 Molecular sieve oxygen systems and aircraft role p 96 A86-19315 Human error in life support operations p 96 A86-19330 Duty-cycle analysis of a human-controlled manipulator p 137 A86-23424 The roles of astronauts and machines for future space operations [SAE PAPER 851332] p 137 A86-23521 Human Factors Society, Annual Meeting, 28th, San Antonio, TX, October 22-26, 1984, Proceedings. Volumes p 141 A86-23701 The effect of asymmetric transfer on dual-task assessment of voice technology p 141 A86-23702
A technology forecasting and assessment method for p 141 A86-23702 evaluating system utility and operator workload p 142 A86-23704 A computer-based system for workstation design and analysis --- for flight crews A86-23707 p 142 Eye-controlled switching for crew station design p 142 A86-23711 The effects of redundancy, target density and practice on a complex visual search task D 142 A86-23712 Message-based screen interfaces - The effects of presentation rates and task complexity on operator p 143 A86-23734 Research issues in teleoperator systems D 143 A86-23735 Human operator consults p 143 A86-23736
part-simulation of zero gravity p 143 A86-23736
Concept flying - A method for deriving unique system
p 143 A86-23738 Human operator control of a bilateral teleoperator in Some problems in flight mechanics with respect to flight p 131 A86-23772 On the pilot's behavior of detecting a a system parameter p 145 A86-25229

change

Behavioral Engineering Aerospace Conference, 3rd, Long Beach, CA, October 15-18, 1984, [SAE P-151] p 145 A86-26001 Flight deck automation decisions [SAE PAPER 841471] p 145 A86-26002 Flight deck design methodology using computerized nthropometric models [SAE PAPER 841472] p 146 A86-26003 Al applications to military pilot decision aiding - A tive on transition SAE PAPER 8415331 p 146 A86-26004 Automation in the cockpit - Who's in charge? [SAE PAPER 841534] p 146 A86-26005 decision-making Modeling of perception and p 183 A86-27094 A methodology for addressing system operability issues of military systems p 184 A86-28437 Target designation by speech, joystick, and touch control - Format design implications p 184 A86-28439 Auditory signals in military aircraft - Ergonomic principles rsus practice p 185 A86-28442 Dynamic retraining approaches for an airborne speech recognition system p 185 A86-28444 Speech compression as a potential aid to automated voice warnings in the cockpit p 185 A86-28445 Selecting cockpit functions for speech I/O technology p 185 A86-28446 dissociation between subjective performance-based measures of operator workload p 178 A86-28450 Wickens' resource allocation model - Implications for the design of human-machine systems n 185 A86-28453 Evaluation of 16 measures of mental workload using a simulated flight task emphasizing mediational activity n 179 A86-28864 Review and evaluation of empirical research in troubleshooting (AD-A168660) p 186 A86-28865 Symposium on Aviation Psychology, 3rd, Columbus, OH, April 22-25, 1985, Proceedings n 226 A86-29851 Vision in spatial disorientation (SDO) and loss of situational awareness p 226 A86-29853 Cockpit information requirements analysis - A mission p 236 Cockpit design and evaluation data bases p 236 A86-29857 Speech variability effects on recognition accuracy associated with concurrent task performance by pilots p 237 A86-29860 Potential controller error modes in Automated En Route ATC (AERA) p 238 A86-29871 Coping with automation - An airline view p 238 ARE-20873 Causes of dissociation between subjective workload measures and performance - Caveats for the use of Predicted versus experienced workload subjective assessments performance on a supervisory control task p 227 A86-29879 The role of fundamental expression in instrument flight p 229 A86-29896 performance Tactual cuing can produce better performance than p 239 A86-29920 Fitness-for-duty, a pilot's viewpoint p 232 A86-29925 Progress in human performance accident investigation p 233 A86-29932 The rastered eye - Vision in television p 240 A86-32317 Robots as man-extension systems in space p 240 A86-33183 Interaction between controlling, planning, and fault managing in complex man-machine systems p 240 A86-33184 Multi-component characterization of the human operator's control output p 241 A86-33186 A unifying approach to human pilot modelling p 241 A86-33187 Expert computer aided decision in supervisory control p 241 A86-33188 Information display complexes --- Russian book p 241 A86-33324 Human Factors Society, Annual Meeting, 29th, MD, September 29-October Proceedings, Volumes 1 & 2 p 259 A86-33776 The use of signal detection theory in research on human-computer interaction p 266 A86-33779 An experimental approach to validating a theory of uman error in complex systems p 260 A86-33792 human error in complex systems Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33795 analysis of significant coordinated Timebased operations (TASCO) - A cockpit workload analysis

technique

p 268 A86-33810

p 268 A86-33811 A hierarchical model of pilot's procedural behavior for cockpit workload analysis p 263 A86-33983 Helicopter flight control with one hand p 269 A86-34923 Recent advancements in telepresence technology p 269 A86-34959 development --- in space Evolutionary paths for artificial intelligence technologies in operator interactions with space station robots p 269 A86-34971 Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, p 269 A86-35426 [SAE P-168] Interactive computer-based flight training [SAE PAPER 851991] p 263 A86-35430 Cockpit automation - Design and implementation [SAE PAPER 851921] p 270 A86-35431 Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432 Space Station crew interface specifications and [SAE PAPER 851801] p 270 A86-35433 Cockpit automation - In need of a philosophy [SAE PAPER 851956] p 270 A86-35454 The effects of syntactic complexity on the human-computer interaction The use of ellipsoidal solids to display human body dynamic response p 272 A86-36852 Simulation of aircraft seat response to a crash p 272 A86-36879 environment The human role in space: Technology, economics and optimization --- Book p 272 A86-37037
Simulators; Proceedings of the Conference, Norfolk, VA, March 3-8, 1985 p 381 A86-40476 Visual display requirements for boom operator training in aerial refueling p 383 A86-40486 A discrete control model of operator function - A methodology for information display design p 384 A86-41381 Detection of system failure by human operator. 1 - The p 403 A86-43535 case of monitor Intelligent crew workstations p 406 A86-44532 Visual accommodation and virtual image displays p 406 A86-45015 Target detection and recognition Experimental estimate of the parameters of a stochastic model of a human operator sensor system p 407 A86-45117 Growth evolution of the Space Station ECLSS [AIAA PAPER 86-2313] p 407 A86-46943 Impact of automation on Space Station MMI design ---Man-Machine Interface [AIAA PAPER 86-2316] p 407 A86-46944 Advanced operator/system interface concepts for the Space Station [AIAA PAPER 86-23171 p 407 A86-46945 Evaluation of man-machine systems: Methods and problems; Symposium, November 14, 15, 1985, Cologne, West Germany, Reports [DGLR-BERICHT 85-04] Evaluation of man-machine systems - Introduction and overview p 432 A86-47767 Investigating the ocular fixation of targets as an anthropotechnical research method in man-machine p 433 A86-47772 A basic concept for evaluating man-machine systems p 433 A86-47773 Techniques of asking questions in the evaluation of p 433 A86-47774 man-machine systems A measure of usability --- of man-machine systems A86-47775 User interface description of a gas turbine control [ASME PAPER 86-GT-296] p 433 A86-48309 Aiding the operator during novel fault diagnosis p 426 A86-49633 Issues in rule identification and logical induction p 434 A86-49634 Human cognition and performance [AD-A157665] p 42 N86-12970 Future directions in mobile teleoperation [DE85-014308] p 46 N86-12976 The event related brain potential as an index of information processing, cognitive activity, and skill acquisition: A program of basic research [AD-A159118] p 43 N86-13897 Information requirements determination: An empirical investigation of obstacles within an individual p 46 N86-13901 Team performance with large and small screen displays [AD-A158761] p 75 N86-14899 A-67

Human-machine interface in mobile teleoperators	Control loops with human operators in space operations.	•
[DE85-013639] p 75 N86-14900	Part 2: Robotics operations and manual control	Space Station design criteria for long-term human
A computer model of driver response	experiment	habitation
[UTIAS-293] p 72 N86-15911	[NLR-TR-84116-L-PT-2] p 444 N86-33024	[DGLR PAPER 85-147] p 269 A86-35185 The human role in space: Technology, economics and
On looking into the black box: Prospects and limits in	MAN-COMPUTER INTERFACE	optimization Book p 272 A86-37037
the search for mental models	Systems of efficient man-computer interaction	On the biological hazard of galactic antinuclei
[AD-A159080] p 73 N86-15913 Human-machine interfaces for teleoperators: An	Russian book p 74 A86-18730	p 378 A86-43437
overview of research and development at the Oak Ridge	The use of signal detection theory in research on	First German Spacelab missions, no. 6
National Laboratory. Consolidated Fuel Reprocessing	human-computer interaction p 266 A86-33779	[PR-6] n 118 NRS-18979
Program	The effects of syntactic complexity on the	The human factor: Biomedicine in the manned space
[DE85-017713] p 100 N86-17990	human-computer interaction p 271 A86-36172	program to 1980
A Computer Aided Design (CAD) system as a tool for	Aiding the operator during novel fault diagnosis	[NASA-SP-4213] p 158 N86-21097
the ergonomist in developing man-machine systems	p 426 A86-49633	Research opportunities on immunocompetence in space
[IZF-1985-10] p 100 N86-17993	Hitts Law? A test of the relationship between information	[NASA-CR-176482] p 180 N86-21138
System development and evaluation technology: State	load and movement precision p 440 N86-32998	Analysis of nystagmus response to a pseudorandom
of the art of manned system measurement [AD-A160418] p 134 N86-18983	MANAGEMENT	velocity input p 402 N86-31426
[AD-A160418] p 134 N86-18983 A multiple-regression model of pilot performance in	An examination of the life support equipment development and acquisition process	Selection of an appropriate animal model for study of
vertical and translational flight	[AD-A162241] p 242 N86-24221	bone loss in weightlessness p 412 N86-31436
[AD-A161364] p 188 N86-22115	MANAGEMENT ANALYSIS	MANNED SPACECRAFT
Stochastic models of man-machine system	Changes in fitness and shipboard task performance	Design for a goal-oriented telerobotic system
effectiveness p 242 N86-24216	following circuit weight training programs featuring	[AIAA PAPER 86-2090] p 429 A86-47440 MANUAL CONTROL
The system integration and verification testing of an	continuous or interval running	Normalized predictive deconvolution - A time series
orbital maneuvering vehicle for an air bearing floor	[AD-A163110] p 225 N86-24206	algorithm for modeling human operator dynamics
[NASA-CR-178350] p 242 N86-24217	MANAGEMENT INFORMATION SYSTEMS	p 44 A86-14238
The design of natural language interfaces	Managing computer systems development:	Human operator control of a bilateral teleoperator in
[AD-A162181] p 242 N86-24220	Understanding the human and technological imperatives	part-simulation of zero gravity p 143 A86-23736
Person computer dialogue: A human engineering data base supplement	[AD-A158976] p 76 N86-15917	European Annual Conference on Human Decision
[AD-A163074] p 243 N86-24223	Development of a computer-managed readiness	Making and Manual Control, 4th, Zeist, Netherlands, May
Man-machine systems of the 1990 decade: Cognitive	assessment system	28-30, 1984, Proceedings p 183 A86-28285
factors and human interface issues	[AD-A162931] p 236 N86-24215	Multi-component characterization of the human
[AD-A163865] p 273 N86-25123	MANAGEMENT PLANNING	operator's control output p 241 A86-33186
Cockpit automation requirements derived from mission	Schema-based theory of information presentation for	A unifying approach to human pilot modelling p 241 A86-33187
functions data p 293 N86-26318	distributed decision making [AD-A163150] p 266 N86-25992	A comparison of operator performance in manual and
Automation and pilot interactions in night or all-weather	[AD-A163150] p 266 N86-25992 MANGANESE	automated versions of a dynamic decision-making task
tactical operations p 293 N86-26319	Manganese metabolism in healthy humans during	p 262 A86-33825
Human factors: The Cinderella discipline in cockpit	different times of the year p 255 A86-36533	Voice and manual control in dual task situations
interface design p 294 N86-26825	MANIPULATORS	p 262 A86-33826
A model and experimental analysis of pilot decision	Duty-cycle analysis of a human-controlled manipulator	Helicopter flight control with one hand
making behavior for various automatic approach	p 137 A86-23424	p 269 A86-34923
conditions	Kinematics and reaction moment compensation for a	Hesitations in continuous tracking induced by a concurrent discrete task
[NLR-TR-84037-U] p 292 N86-26835	spaceborne elbow manipulator	Chiana on america
Baseline experiments in teleoperator control [NASA-TP-2547] p 294 N86-26836	[AIAA PAPER 86-0250] p 182 A86-26616	[NASA-CH-177019] p 382 N86-29503 Twenty-First Annual Conference on Manual Control
	On-orbit manipulators - Sensory and control	[NASA-CP-2428] p 436 N86-32976
Human factors in rule-based systems [AD-A165309] p 295 N86-26840	approaches	The effects of acceleration stress on human workload
[AD-A165309] p 295 N86-26840 Soldier-computer interface	[AIAA PAPER 86-2185] p 429 A86-47467	and manual control p 437 N86-32984
[AD-A165326] p 295 N86-26841	Mechanical accessories for mobile teleoperators	The effects of voice and manual control mode on dual
	[DE85-014310] p 23 N86-11855	task performance p 438 N86-32987
Mental models and problem solving with a knowledge-based expert system	Study on design techniques for robots (space	Pilot interface with fly by wire control systems
[AD-A165398] p 295 N86-26843	applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902	p 438 N86-32990
Model-based approaches for partitioning subjective	[FOK-TH-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space	Flight test of a displacement sidearm controller
workload assessments	applications). Volume 1, part B: Technical results	p 439 N66-32992
[NASA-CR-177030] p 382 N86-29504	[FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903	Manual control of unstable systems
Pilot interaction with automated airborne decision	Study on design techniques for robots (space	p 441 N86-33008
making systems	applications). Volume 2: Technical appendices	Modified superposition: A simple time series approach
[NASA-CR-177002] p 385 N86-29508	[FOK-TR-R-84-110-VOL-2] p 47 N86-13904	to closed-loop manual controller identification
Pilot interaction with automated airborne decision	Study on design techniques for robots (space	p 442 N86-33009
making systems	applications). Volume 3: Executive summary	The role of elaborations in instructional texts: Learning
[NASA-CR-176986] p 408 N86-31218	[FOK-TR-R-84-110-VOL-3] p 47 N86-13905	to use the appropriate procedure at the appropriate time
A discrete control model of PLANT	Application of screw calculus to the evaluation of manipulator workspace	[AD-A165211] p 291 N86-26833
p 408 N86-31220	[AD-P004947] p 75 N86-14946	Elementary design guidelines for CO2 scrubbing with
Making the human-machine interface responsive to	Advanced servomanipulator development	LiOH, technical manual
many classes of users [DE86-003453] p 409 N86-31222	[DE85-017720] p 100 N86-17989	[AD-A168850] p 444 N86-33022
[DE86-003453] p 409 N86-31222 Control theoretic analysis of human operator mediated	Baseline experiments in teleoperator control	MAPPING
rendezvous and docking	[NASA-TP-2547] p 294 N86-26836	Protein mapping and the problem of complexity in
[NLR-MP-85020-U] p 435 N86-32106	Control of a free-flying robot manipulator system	molecular biology
Control loops with human operators in space operations.	[NASA-CR-179717] p 443 N86-33016 MANNED MANEUVERING UNITS	[DE85-018349] p 85 N86-17979
Part 1: Human engineering analysis, synthesis and	Orbital flight test of the manned maneuvering unit	Investigations of the possible influence of air electrical
evaluation techniques	p 98 A86-21068	phenomena on dulling and ghost aching in amputated patients p.167 N86-21033
[NLR-TR-84116-L-PT-1] p 435 N86-32107	MANNED SPACE FLIGHT	patients p 167 N86-21033 MARIJUANA
Control loops with human operators in space operations.	Preliminary medical results of the 5-month flight onboard	Drugs of abuse in aviation fatalities. 1: Marijuana
Part 3: Rendezvous and docking operations and model	Salyut-7-Soyuz-T	[AD-A161911] p 223 N86-24196
analysis of performance with human-in-the-loop	[IAF PAPER 84-184] p 10 A86-12362	MARINE BIOLOGY
[NLR-TR-84116-L-PT-3] p 435 N86-32108	Periodisation and classification of adaptive reactions of	The role of reabsorption in the spectral distribution of
Control loops with human operators in space operations.	man in prolonged space flights	phytoplankton fluorescence emission p 50 A86-16924
Part 4: Research requirements for human-in-the-loop space teleoperator development	[IAF PAPER 84-185] p 10 A86-12363	Mesophilic manganese-oxidizing bacteria from
INI D TO CAME I DT 43	Medical requirement for manned coops progress-	
[NLR-TR-84116-L-PT-4] p 435 N86-32109	Medical requirement for manned space programme	hydrothermal discharge areas at 21 deg North on the East
	Medical requirement for manned space programme p 11 A86-12426	hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032
Control loops with human operators in space operations.  Part 5: Executive summary	Medical requirement for manned space programme p 11 A86-12426 Understanding metabolic alterations in space flight using	hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032 Thermophilic archaebacteria occurring in submarine
Control loops with human operators in space operations. Part 5: Executive summary [NLR-TR-84116-L-PT-5] p 435 N86-32110	Medical requirement for manned space programme p 11 A86-12426 Understanding metabolic alterations in space flight using quantitative models - Fluid and energy balance [IAF PAPER 85-325] p 36 A86-15830	hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034
Control loops with human operators in space operations. Part 5: Executive summary [NLR-TR-84116L-PT-5] p 435 N86-32110 Twenty-First Annual Conference on Manual Control	Medical requirement for manned space programme p 11 A86-12426 Understanding metabolic alterations in space flight using quantitative models - Fluid and energy balance [IAF PAPER 85-325] p 36 A86-15830 Human physiological adaptation to extended Space	hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032 Thermophilic archaebacteria occurring in submarine p 51 A86-18034 Microplankton species assemblages at the Scripps Pier
Control loops with human operators in space operations. Part 5: Executive summary [NLR-TR-84116-L-PT-5] p 435 N86-32110 Twenty-First Annual Conference [NASA-CP-2428] p 436 N86-32976	Medical requirement for manned space programme p 11 A86-12426 Understanding metabolic alterations in space flight using quantitative models - Fluid and energy balance [IAF PAPER 85-325] p 36 A86-15830 Human physiological adaptation to extended Space Flight and its implications for Space Station	hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Microplankton species assemblages at the Scripps Pier from March to November 1983 during the 1982-1984 El
Control loops with human operators in space operations. Part 5: Executive summary [NLR-TR-84116-L-PT-5] p 435 N86-32110 Twenty-First Annual Conference on Manual Control [NASA-CP-2428] p 436 N86-32976 Knowledge-based load leveling and task allocation in	Medical requirement for manned space programme p 11 A86-12426 Understanding metabolic alterations in space flight using quantitative models - Fluid and energy balance [IAF PAPER 85-325] p 36 A86-15830 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502	hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Microplankton species assemblages at the Scripps Pier from March to November 1983 during the 1982-1984 EI Nino event p 207 A86-31833
Control loops with human operators in space operations. Part 5: Executive summary [NLR-TR-84116-L-PT-5] p 435 N86-32110 Twenty-First Annual Conference on Manual Control [NASA-CP-2428] p 436 N86-32976 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985	Medical requirement for manned space programme p 11 A86-12426 Understanding metabolic alterations in space flight using quantitative models - Fluid and energy balance [IAF PAPER 85-325] p 36 A86-15830 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p Sychological and interpersonal adaptation to Mars	hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032  Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034  Microplankton species assemblages at the Scripps Pier from March to November 1983 during the 1982-1984 EI Nino event p 207 A86-31833  Are interpretations of ancient marine temperatures
Control loops with human operators in space operations. Part 5: Executive summary [NLR-TR-84116L-PT-5] p 435 N86-32110 Twenty-First Annual Conference on Manual Control [NASA-CP-2428] p 436 N86-32976 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 At least some errors are randomly generated (Freud	Medical requirement for manned space programme p 11 A86-12426 Understanding metabolic alterations in space flight using quantitative models - Fluid and energy balance [IAF PAPER 85-325] p 36 A86-15830 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Psychological and interpersonal adaptation to Mars missions	hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032 Thermophilic archaebacteria occurring in submarrine hydrothermal areas p 51 A86-18034 Microplankton species assemblages at the Scripps Pier from March to November 1983 during the 1982-1984 EI Nino event p 207 A86-31833 Are interpretations of ancient marine temperatures constrained by the presence of ancient marine
Control loops with human operators in space operations.  Part 5: Executive summary [NLR-TR-84116-L-PT-5] p 435 N86-32110  Twenty-First Annual Conference on Manual Control [NASA-CP-2428] p 436 N86-32976  Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985  At least some errors are randomly generated (Freud was wrong) p 438 N86-32989	Medical requirement for manned space programme p 11 A86-12426 Understanding metabolic alterations in space flight using quantitative models - Fluid and energy balance [IAF PAPER 85-325] p 36 A86-15830 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Psychological and interpersonal adaptation to Mars missions [AAS 84-186] p 179 A86-28812	hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032  Thermophilic archaebacteria occurring in submarine p 51 A86-18034  Microplankton species assemblages at the Scripps Pier from March to November 1983 during the 1982-1984 El Nino event p 207 A86-31833  Are interpretations of ancient marine temperatures constrained by the presence of ancient marine organisms? p 276 A86-39470
Control loops with human operators in space operations.  Part 5: Executive summary [NLR-TR-84116-L-PT-5] p 435 N86-32110  Twenty-First Annual Conference on Manual Control [NASA-CP-2428] p 436 N86-32976  Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985  At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  Pilot interface with fly by wire control systems	Medical requirement for manned space programme p 11 A86-12426 Understanding metabolic alterations in space flight using quantitative models - Fluid and energy balance [IAF PAPER 85-325] p 36 A86-15830 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Psychological and interpersonal adaptation to Mars missions [AAS 84-186] p 179 A86-28812 Countermeasures for the effects of prolonged weightlessness	hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Microplankton species assemblages at the Scripps Pier from March to November 1983 during the 1982-1994 El Nino event p 207 A86-31833 Are interpretations of ancient marine temperatures constrained by the presence of ancient marine organisms? p 276 A86-39470 Demonstration and role of chemoreception in the marine
Control loops with human operators in space operations.  Part 5: Executive summary [NLR-TR-84116-L-PT-5] p 435 N86-32110  Twenty-First Annual Conference on Manual Control [NASA-CP-2428] p 436 N86-32976  Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985  At least some errors are randomly generated (Freud was wrong) p 438 N86-32989	Medical requirement for manned space programme p 11 A86-12426 Understanding metabolic alterations in space flight using quantitative models - Fluid and energy balance [IAF PAPER 85-325] p 36 A86-15830 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Psychological and interpersonal adaptation to Mars missions [AAS 84-186] p 179 A86-28812 Countermeasures for the effects of prolonged	hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032  Thermophilic archaebacteria occurring in submarine p 51 A86-18034  Microplankton species assemblages at the Scripps Pier from March to November 1983 during the 1982-1984 El Nino event p 207 A86-31833  Are interpretations of ancient marine temperatures constrained by the presence of ancient marine organisms? p 276 A86-39470

USSR report: Life sciences. Biomedical and behavioral sciences	MATHEMATICAL MODELS	Suture needle holder
[JPRS-UBB-86-002] p 209 N86-23222	Spatial-frequency model for hyperacuity p 19 A86-11147	[AD-D011764] p 37 N86-12958 Portable diagnostic radiometer
US Department of Agriculture/Corps of Engineers	Phase shifting two coupled circadian pacemakers -	[AD-A157685] p 62 N86-14872
cooperative aquatic plant control research. Annual report for FY 1983; chemical control technology	Implications for jet lag p 377 A86-40684 An updated model for a Space Station Health	Drop foot corrective device [NASA-CASE-LAR-12259-2] p 188 N86-22112
[AD-A161867] p 212 N86-24184	Maintenance Facility	[NASA-CASE-LAR-12259-2] p 188 N86-22112 Cardiokymography
MARINE ENVIRONMENTS Submarine hydrothermal vents and associated gradient	[AIAA PAPER 86-2303] p 397 A86-46938 Strength modeling report	[PB86-133790] p 258 N86-25987
environments as sites for the origin and evolution of life	[NASA-CR-171896] p 15 N86-10770	Specifications Physiological Monitoring System [NASA-CR-171926] p 408 N86-30339
p 48 A86-14123	Effects of cation ions in nerve excitation p 37 N86-12377	MEDICAL PERSONNEL
The fossil record of evolution: Data on diversification and extinction p 308 N86-26902	Bug distribution and pattern classification	Operating radiation protection: Medical aspects p 288 N86-27912
Geochemical anomalies, bolide impacts and biological	[AD-A157898] p 95 N86-16899 Operations research techniques for human factors	MEDICAL PHENOMENA
extinctions on the Earth p 308 N86-26903	engineers	Enhancement of Pseudomonas aeruginosa virulence by hyperbaric atmosphere conditions p 122 N86-19858
MARINE TECHNOLOGY  LSRO/ONR ad hoc review process	[AD-A159384] p 99 N86-16904	MEDICAL SCIENCE
[AD-A156590] p 4 N86-10735	Biological investigations of adaptive networks. Neuronal control of conditioned responding	USSR report: Life sciences. Biomedical and behavioral sciences
The scientific/engineering workstation experiment: Preliminary results, conclusions and recommendations	[AD-A160345] p 126 N86-19887	[JPRS-UBB-85-023] p 4 N86-10738
[AD-A163059] p 386 N86-29510	Simulation model for plant growth in controlled environment systems p 149 N86-19914	Studies of participants in nuclear tests
MARKETING	New roles for computation in the life sciences	p 38 N86-12964 China report: Science and technology
Biotechnica '85 International Congress for Biotechnology	[DE85-017542] p 158 N86-21100 Experimental, structural and theoretical models of	[JPRS-CST-85-019] p 39 N86-12966
[AD-A165415] p 276 N86-26794	bacteriochlorophylis a, d and g	Biomaterials research in West Germany: An assessment
MARKOV CHAINS	[DE86-001727] p 158 N86-21101	[AD-A158951] p 53 N86-14840
Modeling electrocardiograms using interacting Markov chains	Head-spine structure modeling: Enhancements to secondary loading path model and validation of	Changes in physical condition, vestibular function and bone system of rats submitted to long-term rotation
[AD-A162758] p 178 N86-22105	head-cervical spine model	p 54 N86-14857
MARKOV PROCESSES Modeling electrocardiograms using interacting Markov	[AD-A161425] p 172 N86-21112 Incorporation of active elements into the articulated total	Individual differences in maximum oxygen uptake regulation and level p 62 N86-14863
chains	body model	regulation and level p 62 N86-14863 Salyut-7 electrophoresis experiments aid medical
[AD-A162758] p 178 N86-22105	[AD-A162518] p 177 N86-22101 Modeling electrocardiograms using interacting Markov	research p 158 N86-20445
MARS (PLANET) Psychological and interpersonal adaptation to Mars	chains	Diseases in CEMA countries p 211 N86-23252 Model of experimental pixuna virus infection in white
missions	[AD-A162758] p 178 N86-22105 Physical interaction of humans and animals with	mice p 211 N86-23253
[AAS 84-186] p 179 A86-28812 The question of life on Mars p 410 A86-43927	power-frequency electric and magnetic fields	USSR report: Life sciences. Biomedical and behavioral sciences
Microfossils in the Antarctic cold desert: Possible	[DE86-007734] p 402 N86-31215	[JPRS-UBB-86-004] p 212 N86-23258
implications for Mars p 307 N86-26897	A discrete control model of PLANT p 408 N86-31220	MEDICAL SERVICES  Medical evaluation of cosmonauts - Physiological stress
MARS ENVIRONMENT  The retrieval, storage, and recycling of water for a	Operator alertness/workload assessment using	testing p 11 A86-12427
manned base on Mars	stochastic model-based analysis of myoelectric signals [AD-A168567] p 428 N86-32973	Medical control of the aircrew during a retraining
[AAS 84-180] p 186 A86-28806	Operator alertness/workload assessment using	process p 110 A86-23494 Health maintenance and human productivity in the Space
Water supply for a manned Mars base [AAS 84-181] p 186 A86-28807	stochastic model-based analysis of myoelectric signals [AD-A168568] p 429 N86-32974	Station Era
Mass-balance model for a controlled ecological life	Descriptive Linear modeling of steady-state visual	[SAE PAPER 851312] p 110 A86-23503 Air ambulance regulations - A model
support system on Mars [AAS 84-184] p 186 A86-28810	evoked response p 436 N86-32977 Modified Petri net model sensitivity to workload	p 405 A86-44094
[AAS 84-184] p 186 A86-28810 MARS SURFACE	manipulations p 436 N86-32979	Exhibits concerning sparing medicine at Zdravookhraneniye-85 at Moscow p 119 N86-19840
Critical life science issues for a Mars base	A model for the human's use of visual field cues in	A survey of speech audiometry in the National Health
[AAS 84-167] p 156 A86-28793 Advanced spacesuit glove design	nap-of-the-Earth flight p 441 N86-33004 Optimal cooperative control synthesis of active	Service [NPL-AC-105] p 221 N86-23267
[AAS 84-175] p 186 A86-28801	displays p 441 N86-33006	Activities report on physical and psychological health
MASKING  Method of changes in reversible pattern masking as	MATRICES (MATHEMATICS)  Generalizing over conditions by combining the multitrait	of flying personnel [ETN-86-97385] p 423 N86-32093
factor in visual perception p 221 N86-23263	multimethod matrix and the representative design of	Activities report on physical and psychological health
MASKS Protective respirator for the AAH-64 Advanced Attack	experiments [AD-A163685] p 265 N86-25119	of flying personnel [ETN-86-97386] p 423 N86-32094
Helicopter p 97 A86-19336	MEASURING INSTRUMENTS	[ETN-86-97386] p 423 N86-32094 MEMBRANE STRUCTURES
Compendium of protective eyewear [PB86-135779] p 273 N86-25126	Investigation of Eustachianal function in JASDF pilots	Light induced damage to erythrocyte membrane
[PB86-135779] p 273 N86-25126 Method for the determination of respiratory work in	by new apparatus. I - On the pressural regulation of the Eustachian tube in normal human p 32 A86-13941	sensitized by tetrasulfophenyl porphin p 109 N86-19838
protective masks	Miniature metastable ionization detectors for exobiology flight experiments p 299 N86-26859	MEMBRANES
[FOA-C-40213-C2] p 380 N86-29500 <b>MASS</b>	flight experiments p 299 N86-26859  MECHANICAL DRIVES	Dicyclohexylcarbodiimide-sensitive ATPase in Halobacterium saccharovorum p 49 A86-16902
Radiographic determination of mass of inertial tensors	Mobile remote manipulator vehicle system	Defense strategies against hypoxia and hypothermia
of anatomical segments [AD-A168581] p 425 N86-32961	[NASA-CASE-LAR-13393-1] p 187 N86-21147 MECHANICAL PROPERTIES	p 81 A86-22258 Utilization of membranes for H2O recycle system
MASS RATIOS	Effect of weightlessness and some of its models on	[SAE PAPER 851394] p 141 A86-23571
Fluid-Electrolyte-Mineral interrelations as affecting work performance	mechanical properties of animal bones submitted to torsion p 173 N86-21123	Photoconversion from the light-adapted to the
[AD-A165325] p 282 N86-26799	The effects of ketamine on Rhesus monkey skeletal	dark-adapted state of bacteriorhodopsin p 374 A86-43434
MASS SPECTROSCOPY  New physical methods for biological aerosol detection	dynamics [AD-A162848] p 213 N86-24189	Investigation of mineral nutrition of a new form of
[AD-A158218] p 29 N86-13881	MECHANICAL SHOCK	microalgae to be used in biological life-support systems p 57 N86-15892
Element analysis of sclerotic formations of major blood	Effects of mechanical stresses, abscisic acid, and	Dynamics of peroxide oxidation of lipids during stress
vessels by laser mass spectrometry p 118 N86-19833 Fluid-Electrolyte-Mineral interrelations as affecting work	outdoor exposure on growth and water relations of eggplant p 196 A86-30416	p 83 N86-16883 Utilization of membranes for H2O recycle system
performance	MECHANORECEPTORS	p 148 N86-19910
[AD-A165325] p 282 N86-26799 MASS TRANSFER	Morphological evidence of mechanoreceptive gravity perception in a water flea - Daphnia magna	Proceedings: Protons and Membrane Reactions held at Santa Barbara, California on 28 January - 1 February
The effect of prolonged physical work at the levels of	p 199 A86-30435	1985
submaximal and extreme intensity upon the mass transfer and utilization of oxygen p 89 A86-22536	MEDICAL ELECTRONICS  Electric sleep method of preventing fatigue build-up in	[AD-A161331] p 159 N86-22082
MATERIAL ABSORPTION	sailors on extended cruises p 235 N86-23248	Use of membrane vesicles as a simplified system for studying transport of auxin
A comparison of the specific absorption rate in a homogeneous man model and a man model containing	Specifications Physiological Monitoring System [NASA-CR-171926] p 408 N86-30339	[DE86-002264] p 209 N86-23219
realistic model bones	MEDICAL EQUIPMENT	Discovery regarding electron redistribution among cell membranes p 217 N86-23227
[AD-A168547] p 424 N86-32960  MATERIALS HANDLING	Method of high-precision microsampled blood and plasma mass densitometry p 419 A86-49250	Multidisciplinary studies on excitatory amino acids as
Design and production of damage-resistant tray pack	Infrared optical measurement of blood gas	transmitters in the brain [AD-A164258] p 256 N86-25115
containers	concentrations and fiber optic catheter	Photoenergy transduction in halobacterium halobium
[AD-A164595] p 294 N86-26837	[AD-D011836] p 37 N86-12955	[NASA-CR-176673] p 248 N86-25970

Biosensors from membrane proteins reconstituted in polymerized lipid bilayers	The effects of type of knowledge upon human problem	Development of intuitive theories of motion - Curvilinear
[AD-D012160] p 248 N86-25974	solving in a process control task p 74 A86-17771  Visual perception and memory: Information processes	motion in the absence of external forces
Mechanism of electromagnetic energy effects on the	and neuron mechanisms Russian book	p 426 A86-49521 Correlational rhythmography applied to persons of
nervous system: Voltage-clamp study	p 52 A86-18744	different age under functional loads p 422 A86-49920
[AD-A164653] p 282 N86-26798 Reverse osmosis water purification system	The effect of skill on performance under an	The effects of age, sleep deprivation, and altitude on
p 384 N86-28291	environmental stressor p 94 A86-20408	complex performance
MEMORY	Why do performance and subjective workload measures	[AD-A156987] p 15 N86-10771 Stimulus structures and mental representations in expert
Visual perception and memory: Information processes	dissociate? p 129 A86-23726	comprehension of computer programs
and neuron mechanisms Russian book	Personality differences as a moderator of mental workload behavior - Mental workload performance and	[AD-A157520] p 42 N86-12969
p 52 A86-18744	strain reactions as a function of cognitive complexity	Human cognition and performance
The Sternberg memory search task as an index of pilot workload p 227 A86-29883	p 130 A86-23732	[AD-A157665] p 42 N86-12970
The interfering effects of processing code on visual	Neurons as detectors of errors in the subcortical	Hypothesizing and refining causal models [AD-A158165] p 43 N86-13893
memory p 259 A86-33782	structures of the human brain p 111 A86-24307	The event related brain potential as an index of
The psychophysics of workload - A second look at the	Dual hemispheric processing in a letter matching task	information processing, cognitive activity, and skill
relationship between subjective measures and	p 131 A86-24325	acquisition: A program of basic research
performance p 260 A86-33804 Spectral-correlation characteristics of EEG in the course	Effect of wearing chemical protective clothing in the heat	[AD-A159118] p 43 N86-13897
of short-term memory tests. I - A study of	on signal detection over the visual field [AD-A164945] p 145 A86-25657	Assessment of visuospatial abilities using complex cognitive tasks
spectral-correlation parameters of the potentials in the	Subjective workload and individual differences in	[AD-A158919] p 70 N86-14889
human neocortex during correct short-term memorizing	information processing abilities	An investigation of judgments of category frequency
p 419 A86-49263	[SAE PAPER 841491] p 132 A86-26011	[AD-A159555] p 72 N86-14894
Stimulus structures and mental representations in expert comprehension of computer programs	European Annual Conference on Human Decision	On looking into the black box: Prospects and limits in
[AD-A157520] p 42 N86-12969	Making and Manual Control, 4th, Zeist, Netherlands, May	the search for mental models [AD-A159080] p 73 N86-15913
The event related brain potential as an index of	28-30, 1984, Proceedings p 183 A86-28285	[AD-A159080] p 73 N86-15913 Variations in state of vigilance during continuous
information processing, cognitive activity, and skill	Effects of task difficulty and learning strategies in multiple-task training p 178 A86-28451	operations at a command post
acquisition: A program of basic research	Wickens' resource allocation model - Implications for	[DRIC-T-7503] p 95 N86-16900
[AD-A159118] p 43 N86-13897 Potency of photoflash-produced retrograde amnesia in	the design of human-machine systems	Effect of time span and task load on pilot mental
rats	p 185 A86-28453	workload
[AD-A159149] p 55 N86-15859	Evaluation of 16 measures of mental workload using a	[NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental
A computer model of case-based reasoning in problem	simulated flight task emphasizing mediational activity	workload and performance
solving: An investigation in the domain of dispute	p 179 A86-28864	[NASA-CR-176609] p 180 N86-21139
mediation [AD-A158097] p 73 N86-15912	On scaling performance operating characteristics - Caveat emptor p 179 A86-28866	A procedure-based approach to human information
[AD-A158097] p 73 N86-15912 Peptides and memory p 95 N86-16884	Caveat emptor p 179 A86-28866 Transdermal scopolamine - Human performance and	processing models
Beyond associations: Strategic components in memory	side effects p 163 A86-29094	[AD-A162454] p 181 N86-21144 Report from a behavioral science study grip to Australia,
retrieval	The state of man's organism under conditions of	23 Aug 10 Sep. 1985
[AD-A160783] p 134 N86-18985	elevated atmospheric carbon dioxide	[FOA-C-50027-H3] p 235 N86-23280
Local and global factors in learning [AD-A161128] p 136 N86-19904	p 163 A86-29306	Schema-based theory of information presentation for
[AD-A161128] p 136 N86-19904 Multidisciplinary studies on excitatory amino acids as	Relative contributions of SWAT dimensions to overall	distributed decision making
transmitters in the brain	subjective workload ratings Subjective Workload Assessment Technique p 238 A86-29876	[AD-A163150] p 266 N86-25992 Human factors in rule-based systems
[AD-A164258] p 256 N86-25115	Assessment Technique p 238 A86-29876 The Sternberg memory search task as an index of pilot	[AD-A165309] p 295 N86-26840
Man-machine systems of the 1990 decade: Cognitive	workload p 227 A86-29883	Mental models and problem solving with a
factors and human interface issues	The attitude and information components of the risk	knowledge-based expert system
[AD-A163865] p 273 N86-25123 The role of elaborations in instructional texts: Learning	assessment-judgement process of aircraft pilots	[AD-A165398] p 295 N86-26843
to use the appropriate procedure at the appropriate time	p 229 A86-29892 Cockpit resource management - Exploring the	Effect of intensive operator work on lipid peroxidation
[AD-A165211] p 291 N86-26833	attitude-performance linkage p 229 A86-29899	processes in man p 286 N86-27882 Effect of rhythmic photic interference on working
A learning model as a basis for investigations of the	Fitness-for-duty, a pilot's viewpoint	electroencephalogram and efficiency of human
effects of gravity on the learning processes and memory formulation p 389 N86-29525	p 232 A86-29925	movements p 292 N86-27883
formulation p 389 N86-29525 Division of attention as a function of the number of steps,	The effect of intense mental work under stress on cardiac	Effect of time span and task load on pilot mental
visual shifts, and memory load	activity, hemodynamics, and brain circulation p 216 A86-30895	workload [NASA-CR-177099] p 382 N86-29502
[NASA-TM-88775] p 404 N86-30328	The functional age profile - An objective decision criterion	[NASA-CR-177099] p 382 N86-29502 Modified Petri net model sensitivity to workload
Memory and subjective workload assessment	for the assessment of pilot performance capacities and	manipulations p 436 N86-32979
p 437 N86-32983 <b>MENINGITIS</b>	capabilities p 234 A86-31823	The impact of physical and mental tasks on pilot mental
Experimental evaluation of pathogenicity of different	Assessment of SWAT accuracy Subjective Workload	workoad p 437 N86-32982
variants of lassa virus p 211 N86-23254	Assessment Technique p 266 A86-33785	
	Age-dependent changes in information processing	Memory and subjective workload assessment
MENTAL HEALTH	Age-dependent changes in information processing abilities between 20 and 60 years p. 260 A86-33788	p 437 N86-32983
The elusive mechanism of the circadian clock	abilities between 20 and 60 years p 260 A86-33788	p 437 N86-32983 The effects of acceleration stress on human workload
The elusive mechanism of the circadian clock p 82 A86-22650	abilities between 20 and 60 years p 260 A86-33788  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792	p 437 N86-32983 The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents	abilities between 20 and 60 years p 260 A86-33788 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792 Training characteristics of the Criterion Task Set	p 437 N86-32983 The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924	abilities between 20 and 60 years p 260 A86-33788  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809	p 437 N86-32983 The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094	abilities between 20 and 60 years p 260 A86-33788  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Anticipatory adjustments during a warning interval	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis	abilities between 20 and 60 years p 260 A86-33788  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809	p 437 N86-32983 The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832	abilities between 20 and 60 years p 260 A86-33788  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Anticipatory adjustments during a warning interval -  Cortical negativity and perceptual sensitivity p 261 A86-33818  Event-related brain potentials and resource allocation	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE	abilities between 20 and 60 years p 260 A86-33788 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988 At least some errors are randomly generated (Freud was wrong) p 438 N86-32989
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning	abilities between 20 and 60 years p 260 A86-33788  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32986 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988 At least some errors are randomly generated (Freud was wrong) p 438 N86-32989 Flight test of a displacement sidearm controller
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task Cardiorespiratory fitness and cognitive performance	abilities between 20 and 60 years p 260 A86-33788 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820 Processing inferences derived from event-related	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32989 At least some errors are randomly generated (Freud was wrong) p 438 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32999
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine	abilities between 20 and 60 years p 260 A86-33788 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820 Processing inferences derived from event-related potential measures in a monitoring task	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32987 At least some errors are randomly generated (Freud was wrong) p 438 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32992
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317	abilities between 20 and 60 years p 260 A86-33788 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820 Processing inferences derived from event-related potential measures in a monitoring task p 262 A86-33822 Mental fitness for duty and control of arousal state	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32989 At least some errors are randomly generated (Freud was wrong) p 438 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32999 MERCURY (METAL)  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16678
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task p 18 A86-10261 Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317 Physiological reflections of mental workload	abilities between 20 and 60 years p 260 A86-33788 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820 Processing inferences derived from event-related potential measures in a monitoring task  Mental fitness for duty and control of arousal state [SAE PAPER 851778] p 263 A86-35429	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32989 Flight test of a displacement sidearm controll was wrong) p 438 N86-32989 Flight test of a displacement sidearm controll N86-32992 MERCURY (METAL)  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 MESOPHILES
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317	abilities between 20 and 60 years p 260 A86-33788 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820 Processing inferences derived from event-related potential measures in a monitoring task Mental fitness for duty and control of arousal state [SAE PAPER 851778] p 263 A86-35429 The effects of syntactic complexity on the	The effects of acceleration stress on hurman workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32987 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988 At least some errors are randomly generated (Freud was wrong) p 439 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32992 MERCURY (METAL) Physico-chemical studies of radiation effects in cells [DE65-014681] p 83 N86-16878 MESOPHILES Mesophilic manganese-oxidizing bacteria from
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task p 18 A86-10261 Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317 Physiological reflections of mental workload p 41 A86-14321 Leukocytic reactions caused by emotional stress p 34 A86-15519	abilities between 20 and 60 years p 260 A86-33788  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820  Processing inferences derived from event-related potential measures in a monitoring task p 262 A86-33822  Mental fitness for duty and control of arousal state [SAE PAPER 851778] p 263 A86-35429  The effects of syntactic complexity on the human-computer interaction p 271 A86-36172	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988 At least some errors are randomly generated (Freud was wrong) p 438 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32989 MERCURY (METAL)  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 MESOPHILES  Mesophilic manganese-oxidizing bacteria from hydrothermal discharge areas at 21 deg North on the East
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317 Physiological reflections of mental workload p 41 A86-14321 Leukocytic reactions caused by emotional stress p 34 A86-15519 Comparative analysis of corticosteroid and	abilities between 20 and 60 years p 260 A86-33788 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820 Processing inferences derived from event-related potential measures in a monitoring task Mental fitness for duty and control of arousal state [SAE PAPER 851778] p 263 A86-35429 The effects of syntactic complexity on the	The effects of acceleration stress on hurman workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32987 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988 At least some errors are randomly generated (Freud was wrong) p 439 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32992 MERCURY (METAL) Physico-chemical studies of radiation effects in cells [DE65-014681] p 83 N86-16878 MESOPHILES Mesophilic manganese-oxidizing bacteria from
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task p 18 A86-10261 Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317 Physiological reflections of mental workload p 41 A86-14321 Leukocytic reactions caused by emotional stress p 34 A86-15519 Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with	abilities between 20 and 60 years p 260 A86-33788 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820 Processing inferences derived from event-related potential measures in a monitoring task p 262 A86-33822 Mental fitness for duty and control of arousal state [SAE PAPER 851778] p 263 A86-35429 The effects of syntactic complexity on the human-computer interaction p 271 A86-36172 Heart and respiration rates during a mental task performed with varying degrees of success	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988 At least some errors are randomly generated (Freud was wrong) p 438 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32989 MesCupty (METAL)  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 MESOPHILES  MesOPHILES  Mesophilic manganese-oxidizing bacteria from hydrothermal discharge areas at 21 deg North on the East Pacific Rise  Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [A0-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317 Physiological reflections of mental workload p 41 A86-14321 Leukocytic reactions caused by emotional stress p 34 A86-15519 Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with different occupations p 34 A86-15520	abilities between 20 and 60 years p 260 A86-33788 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820 Processing inferences derived from event-related potential measures in a monitoring task p 262 A86-33822 Mental fitness for duty and control of arousal state [SAE PAPER 851778] p 263 A86-35429 The effects of syntactic complexity on the human-computer interaction p 271 A86-36172 Heart and respiration rates during a mental task performed with varying degrees of success p 254 A86-36526 Evaluating the functional status of operators using	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985. The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32989. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989. Flight test of a displacement sidearm controller p 439 N86-32989. Flight test of a displacement sidearm controller p 439 N86-32989. MERCURY (METAL)  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878.  MESOPHILES  Mesophilic manganese-oxidizing bacteria from hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032. Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task p 18 A86-10261 Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317 Physiological reflections of mental workload p 41 A86-14321 Leukocytic reactions caused by emotional stress p 34 A86-15519 Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with	abilities between 20 and 60 years   An experimental approach to validating a theory of human error in complex systems   p 260 A86-33792   Training characteristics of the Criterion Task Set workload assessment battery   p 261 A86-33809   Anticipatory adjustments during a warming interval - Cortical negativity and perceptual sensitivity   p 261 A86-33818   Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality   p 261 A86-33820   Processing inferences derived from event-related potential measures in a monitoring task  Mental fitness for duty and control of arousal state [SAE PAPER 851778]   p 263 A86-33822   The effects of syntactic complexity on the human-computer interaction   p 271 A86-36172   Heart and respiration rates during a mental task performed with varying degrees of success   p 254 A86-36526   Evaluating the functional status of operators using indices of mental work capacity   p 254 A86-36531	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985  The effects of voice and manual control mode on dual task performance p 438 N86-32987  Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988  At least some errors are randomly generated (Freud was wrong)  Flight test of a displacement sidearm controller p 439 N86-32989  MERCURY (METAL)  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  MESOPHILES  Mesophilic manganese-oxidizing bacteria from hydrothermal discharge areas at 21 deg North on the East Pacific Rise Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999  MESSAGES
The elusive mechanism of the circadian clock  p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-1317 Physiological reflections of mental workload p 41 A86-14317 Physiological reflections of mental workload p 41 A86-15519 Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with different occupations p 34 A86-15520 Use of a linguistic test in the course of large-scale physiological selection of men for work in an adverse environment p 35 A86-15523	abilities between 20 and 60 years p 260 A86-33788 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820 Processing inferences derived from event-related potential measures in a monitoring task p 262 A86-33822 Mental fitness for duty and control of arousal state [SAE PAPER 851778] p 263 A86-35429 The effects of syntactic complexity on the human-computer interaction p 271 A86-36172 Heart and respiration rates during a mental task performed with varying degrees of success p 254 A86-36526 Evaluating the functional status of operators using indices of mental work capacity p 254 A86-36531 Dynamics of the ultraslow bioelectric brain activity during	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988 At least some errors are randomly generated (Freud was wrong) p 438 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32989 MERCURY (METAL)  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 MESOPHILES  Mesophilic manganese-oxidizing bacteria from hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 MESSAGES  Development of a comprehensive voice message
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317 Physiological reflections of mental workload p 41 A86-14321 Leukocytic reactions caused by emotional stress p 34 A86-15519 Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with different occupations p 34 A86-15520 Use of a linguistic test in the course of large-scale physiological selection of men for work in an adverse environment The visual stress model - Apsycho-physiological method	abilities between 20 and 60 years   An experimental approach to validating a theory of human error in complex systems   p 260 A86-33792   Training characteristics of the Criterion Task Set workload assessment battery   p 261 A86-33809   Anticipatory adjustments during a warming interval - Cortical negativity and perceptual sensitivity   p 261 A86-33818   Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality   p 261 A86-33820   Processing inferences derived from event-related potential measures in a monitoring task   p 262 A86-33822   Mental fitness for duty and control of arousal state   [SAE PAPER 851778]   p 263 A86-35429   The effects of syntactic complexity on the human-computer interaction   p 271 A86-36172   Heart and respiration rates during a mental task performed with varying degrees of success   p 254 A86-36526   Evaluating the functional status of operators using indices of mental work capacity   p 255 A86-36531   Dynamics of the ultraslow bioelectric brain activity during the performance of certain parts of operational activity   p 255 A86-36534	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988 At least some errors are randomly generated (Freud was wrong) p 438 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32989 MERCURY (METAL)  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 MESOPHILES  Mesophilic manganese-oxidizing bacteria from hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 MESSAGES  Development of a comprehensive voice message
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-10261 Physiological reflections of mental workload p 41 A86-14321 Leukocytic reactions caused by emotional stress p 34 A86-15519 Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with different occupations use of a linguistic test in the course of large-scale physiological selection of men for work in an adverse environment The visual stress model - Apsycho-physiological method for the evaluation of operational reliability of pilots and	abilities between 20 and 60 years p 260 A86-33788  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820  Processing inferences derived from event-related potential measures in a monitoring task p 262 A86-33822  Mental fitness for duty and control of arousal state [SAE PAPER 851778] p 263 A86-35429  The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  Heart and respiration rates during a mental task performed with varying degrees of success p 254 A86-36526  Evaluating the functional status of operators using indices of mental work capacity p 254 A86-36531  Dynamics of the ultraslow bioelectric brain activity during the performance of certain parts of operational activity p 255 A86-36534  Review on secondary task technique for workload	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988 At least some errors are randomly generated (Freud was wrong) p 438 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32989 MERCURY (METAL)  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 MESOPHILES  Mesophilic manganese-oxidizing bacteria from hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-29999 MESSAGES  Development of a comprehensive voice message vocabulary for tactical aircraft p 237 A86-29861 There's a voice in the sky - But can a picture tell you more? comparison between synthesized speech and
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task p 18 A86-10261 Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317 Physiological reflections of mental workload p 41 A86-14321 Leukocytic reactions caused by emotional stress p 34 A86-15519 Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with different occupations p 34 A86-15520 Use of a linguistic test in the course of large-scale physiological selection of men for work in an adverse environment p 35 A86-15523 The visual stress model - A psycho-physiological method for the evaluation of operational reliability of pilots and cosmonauts	abilities between 20 and 60 years   An experimental approach to validating a theory of human error in complex systems   p 260 A86-33792   Training characteristics of the Criterion Task Set workload assessment battery   p 261 A86-33809   Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity   p 261 A86-33818   Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality   p 261 A86-33820   Processing inferences derived from event-related potential measures in a monitoring task   p 262 A86-33822   Mental fitness for duty and control of arousal state [SAE PAPER 851778]   p 263 A86-35429   The effects of syntactic complexity on the human-computer interaction   p 271 A86-36172   Heart and respiration rates during a mental task performed with varying degrees of success   p 254 A86-36526   Evaluating the functional status of operators using indices of mental work capacity   p 254 A86-36531   Dynamics of the ultraslow bioelectric brain activity during the performance of certain parts of operational activity   p 255 A86-36534   Review on secondary task technique for workload assessment Some consideration of secondary task	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985. The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32989. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989. Flight test of a displacement sidearm controller p 439 N86-32999. Flight test of a displacement sidearm controller p 439 N86-32999. MERCURY (METAL)  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  MESOPHILES  Mesophilic manganese-oxidizing bacteria from hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032  Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999  MESSAGES  Development of a comprehensive voice message vocabulary for tactical aircraft p 237 A86-29861  There's a voice in the sky - But can a picture tell you more? — comparison between synthesized speech and visual displays in presenting information in cockpits
The elusive mechanism of the circadian clock  p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-10261 Physiological reflections of mental workload p 41 A86-14317 Physiological reflections of mental workload p 41 A86-15519 Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with different occupations p 34 A86-15520 Use of a linguistic test in the course of large-scale physiological selection of men for work in an adverse environment p 35 A86-15523 The visual stress model - A psycho-physiological method for the evaluation of operational reliability of pilots and cosmonauts	abilities between 20 and 60 years   An experimental approach to validating a theory of human error in complex systems   p 260 A86-33792   Training characteristics of the Criterion Task Set workload assessment battery   p 261 A86-33809   Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity   p 261 A86-33818   Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality   p 261 A86-33820   Processing inferences derived from event-related potential measures in a monitoring task   p 262 A86-33822   Mental fitness for duty and control of arousal state   [SAE PAPER 851778]   p 263 A86-33429   The effects of syntactic complexity on the human-computer interaction   p 271 A86-36172   Heart and respiration rates during a mental task performed with varying degrees of success   p 254 A86-36526   Evaluating the functional status of operators using indices of mental work capacity   p 255 A86-36531   Dynamics of the ultraslow bioelectric brain activity during the performance of certain parts of operational activity   Review on secondary task technique for workload assessment Some consideration of secondary task paradigms and an assessment model	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985  The effects of voice and manual control mode on dual task performance p 438 N86-32985  Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988  At least some errors are randomly generated (Freud was wrong) p 439 N86-32989  Flight test of a displacement sidearm controller p 439 N86-32989  MERCURY (METAL) p 439 N86-32992  MERCURY (METAL) p 83 N86-16878  MESOPHILES  Mesophilic manganese-oxidizing bacteria from hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032  Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999  MESSAGES  Development of a comprehensive voice message vocabulary for tactical aircraft p 237 A86-2961  There's a voice in the sky - But can a picture tell you more? — comparison between synthesized speech and visual displays in presenting information in cockpits
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task p 18 A86-10261 Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317 Physiological reflections of mental workload p 41 A86-14321 Leukocytic reactions caused by emotional stress p 34 A86-15519 Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with different occupations p 34 A86-15520 Use of a linguistic test in the course of large-scale physiological selection of men for work in an adverse environment The visual stress model - A psycho-physiological method for the evaluation of operational reliability of pilots and cosmonauts [IAF PAPER 85-326] p 41 A86-15831 Neural dynamics of perceptual grouping - Textures, boundaries, and emergent segmentations	abilities between 20 and 60 years   An experimental approach to validating a theory of human error in complex systems   p 260 A86-33792   Training characteristics of the Criterion Task Set workload assessment battery   p 261 A86-33809   Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity   p 261 A86-33818   Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality   p 261 A86-33820   Processing inferences derived from event-related potential measures in a monitoring task   p 262 A86-33822   Mental fitness for duty and control of arousal state   [SAE PAPER 851778]   p 263 A86-35429   The effects of syntactic complexity on the human-computer interaction   p 271 A86-36172   Heart and respiration rates during a mental task performed with varying degrees of success   p 254 A86-36526   Evaluating the functional status of operators using indices of mental work capacity   p 254 A86-36531   Dynamics of the ultraslow bioelectric brain activity during the performance of certain parts of operational activity   p 255 A86-36534   Review on secondary task technique for workload assessment Some consideration of secondary task paradigms and an assessment model   p 403 A86-43539   The use of cardiac-rhythm statistical characteristics in	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985 The effects of voice and manual control mode on dual task performance p 438 N86-32987 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988 At least some errors are randomly generated (Freud was wrong) p 438 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32989 Flight test of a displacement sidearm controller p 439 N86-32989 MERCURY (METAL) p 83 N86-32989 MESOPHILES  MESOPHILES  Mesophilic manganese-oxidizing bacteria from hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 MESSAGES  Development of a comprehensive voice message vocabulary for tactical aircraft p 237 A86-29861 There's a voice in the sky - But can a picture tell you more? — comparison between synthesized speech and visual displays in presenting information in cockpits p 266 A86-33781 METABOLIC WASTES
The elusive mechanism of the circadian clock p 82 A86-22650 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  MENTAL PERFORMANCE The effects of mild hypoxia on a logical reasoning task Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317 Physiological reflections of mental workload p 41 A86-14321 Leukocytic reactions caused by emotional stress p 34 A86-15519 Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with different occupations use of a linguistic test in the course of large-scale physiological selection of men for work in an adverse environment The visual stress model - A psycho-physiological method for the evaluation of operational reliability of pilots and cosmonauts [IAF PAPER 85-326] P 41 A86-15831 Neural dynamics of perceptual grouping - Textures,	abilities between 20 and 60 years   An experimental approach to validating a theory of human error in complex systems   p 260 A86-33792   Training characteristics of the Criterion Task Set workload assessment battery   p 261 A86-33809   Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity   p 261 A86-33818   Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality   p 261 A86-33820   Processing inferences derived from event-related potential measures in a monitoring task   p 262 A86-33822   Mental fitness for duty and control of arousal state   [SAE PAPER 851778]   p 263 A86-33429   The effects of syntactic complexity on the human-computer interaction   p 271 A86-36172   Heart and respiration rates during a mental task performed with varying degrees of success   p 254 A86-36526   Evaluating the functional status of operators using indices of mental work capacity   p 255 A86-36531   Dynamics of the ultraslow bioelectric brain activity during the performance of certain parts of operational activity   Review on secondary task technique for workload assessment Some consideration of secondary task paradigms and an assessment model	The effects of acceleration stress on human workload and manual control p 437 N86-32984 Knowledge-based load leveling and task allocation in human-machine systems p 437 N86-32985  The effects of voice and manual control mode on dual task performance p 438 N86-32985  Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988  At least some errors are randomly generated (Freud was wrong) p 439 N86-32989  Flight test of a displacement sidearm controller p 439 N86-32989  MERCURY (METAL) p 439 N86-32992  MERCURY (METAL) p 83 N86-16878  MESOPHILES  Mesophilic manganese-oxidizing bacteria from hydrothermal discharge areas at 21 deg North on the East Pacific Rise p 51 A86-18032  Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999  MESSAGES  Development of a comprehensive voice message vocabulary for tactical aircraft p 237 A86-2961  There's a voice in the sky - But can a picture tell you more? — comparison between synthesized speech and visual displays in presenting information in cockpits

UBJECT INDEX
ETABOLISM
The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700
Neurochemical mechanisms of artificial hypobiosis and chemical thermoregulation p 27 A86-15525
Understanding metabolic alterations in space flight using
quantitative models - Fluid and energy balance [IAF PAPER 85-325] p 36 A86-15830
The distinctive features of the energetic metabolism, glycolysis, and tissue respiration of the myocardium in rats having high and low resistance to hypoxia
p 80 A86-21455 Defense strategies against hypoxia and hypothermia
p 81 A86-22258 Thermoregulatory reactions to chilling in ice-cold water
in tans of winter swimming p 90 A86-22544
The effect of enkephalins on metabolic parameters of rats in the presence of acute experimental blood loss p 81 A86-22546
Metabolic aspects of the problem of stress in space
flight Russian book p 105 A86-24136 Changes in functional metabolism in the rat central
nervous system following spaceflight
p 199 A86-30433
Ontogeny of homeothermy in the immature rat - Metabolic and thermal responses p 246 A86-36221
An anaerobic shift in energy metabolism in the mouse
brain during recovery from acute radiation sickness
p 276 A86-39720
Carbon isotopic fractionation in heterotrophic microbial metabolism p 371 A86-40669
Biochemical responses of Xenonus I savie muscles to
changes in environment. I Comparison to Rana Catesbeiana and exposure to gravic environment
p 415 A86-50288
Biochemical responses of Xenopus laevis muscles to changes in environment. II - Responses to gravity and
p 415 A86-50289
Intradiumial organization of wakefulness-sleep
sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764
Endocrine and fluid metabolism in males and temples
of different ages after bedrest, acceleration and lower body negative pressure
NASA-TM-58270] p 39 N86-13886
Effects of long-term low-level radiofrequency radiation
exposure on rats. Volume 9: Surnmary AD-A159512] p 53 N86-14842
Metabolic distinctions of human red blood during
Ong-term spaceflights n 60 Nas-14850
Effect of 24,25-dihydroxycholecalciferol on amino acid netabolism of hypokinetic rats p 55 N86-14869
Investigation of some aspects of human amino acid
netabolism during 120-day antiorthostatic hypokinesia p 65 N86-15873
Investigation of catecholamine metabolism at high
Determination of increment of Bacillus subtilis biomass
n weightlessness p 57 N86-15881
levelopment and metabolism of Closterionsis acioulario
ligae when cells are limited in hitrogen as related to
Hological life-support systems for man
p 57 N86-15883 Investigation of possibility of using two-frequency
mpedometry for estimation of proportion of total and

extracellular body fluids p 66 N86-15888 Animal studies on Spacelab-3 [NASA-TM-88212]

p 92 N86-16889 Metabolism of T-2 mycotoxin by cultured cells (AD-A1596781 p 107 N86-18951

Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957

Determination of the lumped constant and the kinetic constants for deoxyglucose and fluorodeoxyglucose in [DE86-000317]

p 118 N86-18978 Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846 Role of vitamin D3 active metabolites in regulation of calcium metabolism in hypokinetic rats

p 174 N86-21124 Some aspects of human amino acid metabolism at high p 175 N86-21136 Mechanisms of bioenergetic homeostasis during rercise: A general model

[AD-A161678] p 176 N86-22098 Effectiveness of an air-cooled vest using selected air temperature and humidity combinations

[AD-A162026] p 242 N86-24219 Comparative biochemistry and metabolism. Part 2: Naphthalene lung toxicity [AD-A163144] p 257 N86-25983

Oxygen and the evolution of metabolic pathways

Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893 Blood serum enzymes during 7-day water immersion

p 287 N86-27902 Metabolic changes following eccentric exercise in trained and untrained men [AD-A166521]

p 402 N86-31211 Gas exchange characteristics of leaves as indicators of the basic limitations to the rate of photosynthesis [DE86-009632] p 416 N86-32085 METABOLITES

Time course of muscular blood metabolites during forearm rhythmic exercise in hypoxia

D 252 A86-36222 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36223 Comparative biochemistry and metabolism. Part 2: Naphthalene lung toxicity

AD-A1631441 p 257 N86-25983 METALLIC GLÁSSES

East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 METALS

Report of the symposium on biological monitoring of exposure to metals and other inorganic compounds FMBL-1985-61 p 85 N86-17980 METEORITES

Synthesis and analysis in studies of chemical evolution p 300 N86-26864 Isotopic characterisation of prebiotic synthesis of organic p 300 N86-26865 Origin of life and iron-rich clays p 300 N86-26866 Effects of lunar soil, Zagami meteorite, and ocean ridge basalt on the excretion of itoic acid, a siderophore, and coproporphyrin by Bacillus subtilis p 412 N86-31421

METEORITIC COMPOSITION Boundary structures are formed by organic components of the Murchison carbonaceous chondrite

p 76 A86-16417 Amino acids of the Murchison meteorite. II - Five carbon acyclic primary beta-, gamma-, and delta-amino alkanoic acids p 77 A86-19126

METEOROLOGICAL INSTRUMENTS Air quality determination in health resorts

p 169 N86-21046

METEOROLOGICAL PARAMETERS Meteorological adaptation research at biology institute p 158 N86-20890

Problems of city planning meteorological p 169 N86-21049

METEOROLOGICAL SERVICES

The Austrian biometeorological service

p 167 N86-21034

Initial development and performance evaluation of a process for formation of dense carbon by pyrolysis of

[SAE PAPER 851342] p 138 A86-23529 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen

p 104 A86-23999 Photochemistry of methane and the formation of hydrocyanic acid (HCN) in the earth's early atmosphere p 243 A86-30697

Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898

METHODOLOGY

Method for improving product yields in an anionic metalloporphyrin-based artificial photosynthesis system [DE85-017723] p 85 N86-17978 METHYL ALCOHOLS

The development of an unconventional Quantifying the nutritional regeneration process: components of a model methylotrophic yeast p 151 N86-19928

Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900

A marsupial model for the investigation of gravitational effects on early development p 195 Teratogenic effects of microwave radiation

PB85-2074621 p 7 N86-11837 Development and testing of a mouse simulated space flight model

[NASA-CR-176359] p 29 N86-13878 Quantitative models describing the kinetics of tumor cell proliferation: A comparison to experimental data [CWI-AM-R8418] p 53 N86-14844

**MICROGRAVITY APPLICATIONS** 

Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation

D 54 N86-14847 Biological effects of millimeter waves on the mouse [FOA-C-50023-H1] p 83 N86-16879 Bioassay of military relevant compounds for carcinogenic activity by the strain A mouse lung tumor hinassay [AD-A156772]

Hematopoiesis in conventional mice after wound

[AD-A160436] p 108 N86-18959 Observations on gas exchange and element recycle within a gas-closed algal-mouse system

D 150 N86-19924 Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when p 175 N86-21131

and biological properties of an immunopotentiating complex polysaccharide adjuvant produced by a gliding bacterium [AD-A162664] p 160 N86-22086

Interaction of asialoglycoprotein receptor of hepatocytes with chemically galactosilated acid alpha-glucosidase p 210 N86-23224

Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments

p 210 N86-23237 Model of experimental pixuna virus infection in white p 211 N86-23253

Radiation induction of cancer of the skin [DE86-002201] p 221 N86-23270 The experimental determination of safe atmospheric

exposure concentrations of JP-10 jet fuel [AD-A1631791 p 258 N86-25985

Toxicological study of NTO [DE86-003296] p 258 N86-25986 A learning model as a basis for investigations of the

effects of gravity on the learning processes and memory p 389 N86-29525 Effects of simulated weightlessness on meiosis. Fertilization, and early development in mice

[NASA-CR-177106] p 410 N86-30342 MICROANALYSIS

Microprobe analysis of epiphyseal plates from Spacelab 3 rats p 204 A86-30469 MICROBIOLOGY

Carbon isotope discrepancy between Precambrian stromatolites and their modern analogs - Inferences from hypersaline microbial mats of the Sinai Coast

p 25 A86-14119 The microbial community at Laguna Figueroa, Baja California Mexico - From miles to microns

p 26 A86-14124 Microbiological management of Spacelab 3 rodents [AIAA PAPER 85-6090] p 26 A86-14386

The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323 Carbon isotopic fractionation in heterotrophic microbial

p 371 A86-40669 Biotechnology: Science and practice

p 4 N86-10742 USSR report: Life sciences. Biomedical and behavioral sciences

[JPRS-UBB-85-004] p 54 N86-14845 Determination of increment of Bacillus subtilis biomass in weightlessness p 57 N86-15881 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for

p 57 N86-15882 Characteristics of effects of microbiological means of lant protection on organism p 109 N86-19829
Production of gamma- and alpha-interferon by human plant protection on organism

blood leukocytes under successive induction conditions p 217 N86-23229

USSR report: Life sciences. Biomedical and behavioral sciences

[JPRS-UBB-86-009] p 376 N86-28610 Advantages of the gas exchange approach to microbiological studies

p 393 N86-31207 MICROCLIMATOLOGY

Local climatic particularities and their importance for

recreation area (example, Saarland-lower Bliestal) p 170 N86-21064

**MICROCOMPUTERS** 

China report: Science and technology
[JPRS-CST-85-019] p 39 N86-12966

Automated anthropometric data measurement syste [AD-D0122991 p 443 N86-33017

MICROGRAVITY APPLICATIONS

Life science opportunities in the Space Station p 275 A86-37855

MICROORGANISMS		
MICROORGANISMS		
Microbial mats and modern stromato	lites in	Shark Bay.
Western Australia	p 51	
Archaebacterial lipids in hot-spring n		
radiassactorial upido in not opining in	p 80	
Photometric and photo acoustic me		
absorbance of micro-organisms and		
	188	
Are interpretations of ancient mar		
constrained by the presence of		
	p 276	
•		erature, of
micro-organisms incident on the earth'		
		A86-44358
Biotechnology: Science and practic	е	
	D 4	N86-10742
Structure and function of isozyn	ies: I	Evolutionary
aspects and role of oxygen in eucaryo		
[NASA-CR-176286]	рõ	N86-11831
The scanning electron microscope	as a to	ool in space
biology	p 30	N86-14080
Biocidal synthetic coatings based of	on high	n-molecular
metaloorganic compounds	p 55	N86-14870
Investigation of microflora of chufa,	a pote	ential higher
plant component of biological life-su	pport	systems for
man	p 57	N86-15882
Gas chromatographic analysis of fre	e fatty	acids of skin
surface lipids	p 67	N86-15891
	A new	perspective
[PB85-240067]	p 83	N86-16880
Characteristics of effects of microb	iologic	al means of
	p 109	N86-19829
Design concepts for bioreactors in s		
	p 151	N86-19926

326 The development of an unconventional regeneration process: Quantifying the nutritional components of a model methylotrophic yeast

p 151 N86-19928 Carbon dioxide evolution rate as a method to monitor and control an aerobic biological waste treatment system stem p 151 N86-19930 Annual report and summaries of FY 1985 activities supported by the Division of Biological Energy Research [DE85-0091321 p 209 N86-23220 Cloning and expression of leptospira pomona hemolysin p 211 N86-23249 gene in escherichia coli Photoenergy transduction in halobacterium halobium

[NASA-CR-176673] p 248 N86-25970 The principle of cooperation and life's origin and p 303 N86-26880 Recent progress in Precambrian paleobiology

p 305 N86-26887 Microfossils in the Antarctic cold desert: Possible p 307 N86-26897 Microbial contributions to the Precambrian Earth

p 307 N86-26899 Organic S13C values vary slightly with salinity in

microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900

## MICROPHONES

A new application of adaptive noise cancellation -- in acoustic barriers p 99 A86-22626 Improving intelligibility in audio distribution systems

tracking antenna controller

p 186 A86-28513 MICROPROCESSORS Aspects of operator interface design for an automatic

p 43 A86-13223

Application of portable microprocessor-based system for electrophysiological field testing of neurotoxicity [PB86-145471] p 379 N86-28615

Variable contrast direct read-out vision tester

p 423 N86-32955 [AD-D012273] MICROSCOPY

Standardization of conditions for measuring intensity of specific fluorescence in continuous cell cultures infected with variants of Japanese encephalitis virus p 211 N86-23255

## MICROSPORES

Eukaryotic ribosomes that lack a 5.8S RNA p 207 A86-32237

## MICROWAVE EMISSION

Prospects for using millimeter-band electromagnetic radiation as an efficient way of obtaining information on specific processes in living organisms

p 246 A86-35088 Radiofrequencies and microwaves - Radiation safety of

the operator p 397 A86-46270 **MICROWAVE FREQUENCIES** 

An infrared search for extraterrestrial laser signal p 309 N86-26907 Overview of the NASA SETI Program

p 309 N86-26909 JPL's role in the SETI program p 310 N86-26913

### MICROWAVE RADIOMETERS

Portable diagnostic radiometer (AD-A157685) p 62 N86-14872

## MICROWAVES

Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity p 52 A86-18150 microwave radiation

The effect of a microwave radiation (2.45 GHz CW) on the molt of house finches (Carpodacus Mexicanus) p 52 A86-18513

Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425

Nonionizing radiation damage in the eye

p 251 A86-33838 The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721

Teratogenic effects of microwave radiation [PB85-207462] p 7 N86-11837

Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary

[AD-A159512] p 53 N86-14842 Behavioral effects of microwave radiation absorption [PB86-113735]

Microwave effects on CNS: A histopathologic ltrastructural and autocartic ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867

Assessing possible damage due to radio frequency radiation

p 402 N86-31214 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones

n 424 NR6-32960

### [AD-A168547] MIDDLE EAR

studies on the application of the Further compartmentalization/airlock concept to aircraft and spacecraft p 53 A86-18842

### MILITARY AIRCRAFT

U.S. Navy ALSS corporate report 1984

p 96 A86-19309 Concept flying - A method for deriving unique system p 143 A86-23738 Auditory signals in military aircraft - Ergonomic principles p 185 A86-28442 versus practice MILITARY AVIATION

'Actions not as planned' in military air-traffic control p 70 A86-18546 p 58 A86-18548 Inflight loss of consciousness. II Reliability of military pilots - Problems and prospects

p 227 A86-29884 Assessment of task proficiency in Air Force OJT ---On-the-Job-Training p 260 A86-33806

Future directions for cost effective Air Force aircrew training - Managed technology and the training system p 262 A86-33830

## MILITARY HELICOPTERS

Laboratory and flight testing of ballistic protective headgear for rotary wing aircrew p 97 A86-19344 Ophthalmological problems linked to helicopter flight

p 112 A86-24504 Comparison of voice types for helicopter voice warning

[SAE PAPER 841611] p 147 A86-26030 Micropat - A progress report on the validation of an automated test battery for pilot selection

p 231 A86-29911 Pro-SWAT applied to advanced helicopter crew static n 267 A86-33795 concepts Helicopter cockpit organization for night vision p 101 N86-17996 [SNIAS-852-210-1031

## MILITARY OPERATIONS

Human performance simulation - Combining the data p 381 A86-40480 Performance measurement guidelines for research [AD-A159055] p 71 N86-14891

Physical fitness as a moderator of cognitive work capacity and fatigue onset under sustained combat-like operations [AD-A160417] p 134 N86-18982

Effect of oxygen flow on passenger face mask performance p 443 N86-33021

MILITARY PSYCHOLOGY

Standardization of tasks: Approach planning --- human erformance assessment [IZF-1984-19] p 20 N86-10782

US Air Force combat psychiatry [AD-A165011] p 292 N86-27921 MILITARY TECHNOLOGY

A methodology for addressing system operability issues p 184 A86-28437 of military systems USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-85-023] p 4 N86-10738

Operations research techniques for human factors engineers [AD-A159384]

p 99 N86-16904 AFRRI (Armed Forces Radiobiology Research (etutiten) [AD-A1658101

p 379 N86-28614 **MILITARY VEHICLES** 

Human factors engineering design criteria for future systems. Design criteria evolving from the Fire Support Team Vehicle (FIST-V) operational test 2 [AD-A158312] p 74 N86-14897

MILK

Vitamin D-deficient rats produce reduced quantities of a nutritionally adequate milk p 52 A86-18399 MILKY WAY GALAXY

Diatoms on earth, comets, Europa and in interstellar p 410 A86-44354

### MILLIMETER WAVES

Absorption of millimeter waves by human beings and its biological implications D 111 A86-24442 Effect of low-power millimeter-range monochromatic electromagnetic radiation on biological processes

p 155 A86-27475 Biological effects of millimeter waves on the mouse [FOA-C-50023-H11 p 83 N86-16879

### MINERAL METABOLISM

Water excretion and natriuretic function in the kidneys of rats adapted to cold p.3 A86-12520 Electron microprobe analyses of Ca, S, Mg and P distribution in incisors of Spacelab-3 rats

p 202 A86-30455 Manganese metabolism in healthy humans during different times of the year p 255 A86-36533

MINERAL OGY Stromatolites from the 3.300-3.500-Mvr Swaziland Supergroup, Barberton Mountain Land, South Africa

p 155 A86-26490 Paleosols and the chemical evolution of the p 301 N86-26870 Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903

MINERALS A possible energetic role of mineral surfaces in chemical

p 48 A86-14114 Parity-violating energy differences of chiral minerals and

the origin of biomolecular homochirality р77 A86-17807 Template-directed oligonucleotide ide ligation on p 393 A86-45960 ligation hydroxylapatite

Wheat response to CO2 enrichment: CO2 exchanges transpiration and mineral uptakes p 152 N86-19932 Adsorption and condensation of amino acids and nucleotides with soluble mineral salts.

p 301 N86-26869

## MINES (EXCAVATIONS)

Kinetics of biological ferrous iron oxidation [DE85-014616] p 4 N86-10736

Status of calcium metabolism in coal miners with vibration sickness p 220 N86-23251

## MINIATURE ELECTRONIC EQUIPMENT

Miniature metastable ionization detectors for exobiology flight experiments p 299 N86-26859

## MINICOMPUTERS

Analysis techniques for continuous twenty four hour ambulatory blood pressure patterns p 170 N86-21103

MIRAGE AIRCRAFT Physical training of Mirage 2000 pilots

p 401 N86-30324

## MISSION PLANNING

An examination of ability requirements for various rotary ing missions p 128 A86-23716 Automation and pilot interactions in night or all-weather p 293 N86-26319 tactical operations

MIST

Controlled environment life support system: Growth studies with potatoes

[NASA-CR-177400]

p 434 N86-32101

## MITOCHONDRIA Phylogenetic origins of the plant mitochondrion based

on a comparative analysis of 5S ribosomal RNA sequences p 2 A86-12002 Molecular archaeology of the mitochondrial genome

p 104 A86-23996 Mitochondrial manifestations of stress and response to hormonal stimulation and hydroaeroions

p 84 N86-16885

Microtubule configurations during fertilization, mitosis, and early development in the mouse and the requirement for egg microtubule-mediated motility during mammalian fertilization p 371 A86-40674

## MIXING

How well mixed is inert gas in tissues?

p 391 A86-44197

Mechanical accessories for mobile teleoperators

MOBILITY

	Power and signal transmission for		N86-1185
	systems	OI TROUBE	leleoperatet
	[DE85-013994] Future directions in mobile teleo	p 45	N86-1297
	[DE85-014308]	р 46	N86-12976
	On interacting populations the	at disper	se to avoid
	crowding: The effect of a sedenta [REPT-4]	ry colony p 181	N86-21145
	Mobile remote manipulator vehic	le system	
	[NASA-CASE-LAR-13393-1] ODELS	p 187	N86-21147
•	TEMPUS: Simulating personne	and tas	ks in a 3-E
	environment		
	[NASA-CR-171901] Environmental impact research	p 22	N86-10789 Status and
	source of habitat models and literate		
	1984 [AD-A156899]	- 00	NOC 4005
	Hypothesizing and refining cause	p 28 al models	N86-12950
	[AD-A158165]	p 43	N86-13893
	Particulate models of photosynth [DE86-001625]	p 160	N86-22090
	Biotechnica '85 Internation		gress fo
	Biotechnology [AD-A165415]	p 276	NOC 0070
	Mental models and proble		N86-26794 g with a
	knowledge-based expert system		-
	[AD-A165398] ODERATORS	p 295	N86-26843
_	Physical fitness as a modera	tor of co	gnitive worl
	capacity and fatigue onset under	sustained	combat-like
	operations [AD-A160417]	p 134	N86-18982
	ODULUS OF ELASTICITY	-	1100 1000
	Lung volumes and dynamic immersion and oxygen breathing		
	OISTURE CONTENT	p 122	N86-19860
	On the effects of X irradiation of	on the Bad	cillus subtilis
	spores in a day and wet system [DFVLR-FB-85-44]	n 56	N86-15864
	Effect of dry immersion mode	el on pa	rameters o
	fluid-electrolyte metabolism, blood	plasma a	aldosterone
	and cortisol levels in individuals content	αiπering i p 65	
	Effects of dry and humidified bro		
	^ · · · · · · · · · · · · · · · · · · ·	eathing ga	s (air) at 37
	C on pulmonary function in hyperba	aric condit	ions
	C on pulmonary function in hyperbased Studies of the electric field dist	aric condit p 122 tribution ir	ions N86-19861 biologica
	C on pulmonary function in hyperbacks.  Studies of the electric field dist bodies. Experimental dosimetry at	aric condit p 122 tribution in radiofreque	ions N86-19861 biologica encies
	C on pulmonary function in hyperbased Studies of the electric field dist	aric condit p 122 tribution in radiofreque	ions N86-19861 biologica
4	C on pulmonary function in hyperbi Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator	aric condit p 122 tribution ir radiofrequ p 249	ions N86-19861 h biologica encies N86-25976
4	C on pulmonary function in hyperbi Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145]	aric condit p 122 tribution in radiofreque	ions N86-19861 biologica encies
4	C on pulmonary function in hyperbi Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator	aric condit p 122 tribution ir radiofreque p 249 p 273	ions N86-19861 biologica encies N86-25976 N86-25993
4	C on pulmonary function in hyperbi- Studies of the electric field dist bodies. Experimental dosimetry at : [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe	aric condit p 122 tribution ir radiofreque p 249 p 273 erredoxin e	N86-19861 biologica encies N86-25976 N86-25993
4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY	p 122 tribution ir radiofreque p 249  p 273 erredoxin e p 2 tth induced	ions N86-19861 biologica encies N86-25976 N86-25993 evolution A86-12001
4	C on pulmonary function in hyperbooks Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156]  OLECULAR ABSORPTION  A small oxygen concentrator [AD-A163145]  OLECULAR BIOLOGY  New perspectives on bacterial features and the properties of cell dearners. Russian book  Spin-dependent electron scatterial	p 122 tribution ir radiofreque p 249  p 273 erredoxin e p 2 tth induced p 27 ng from op	ions N86-19861 n biologica encies N86-25976 N86-25993 volution A86-12001 I by radiation A86-15474 tically active
4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea	p 122 p 122 p 122 p 129 p 249 p 273 p 273 p 273 p 274 p 27 p 27 p 27 p 27 p 76	ions N86-19861 biologica encies N86-25976 N86-25993 volution A86-12001 by radiatior A86-15474 tically active A86-16425
4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea Russian book Spin-dependent electron scatterimolecules Molecular theory of evolut	aric condit p 122 p 122 p 122 riadiofreque p 249 p 273 predoxin e p 2 p 27 th induced p 27 ng from op p 76 ion: Out	ions N86-19861 n biologica encies N86-25976 N86-259976 volution A86-12001 by radiation A86-15474 tically active A86-16425 line of s
4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea	aric conditions aric conditions p 122 production in radiofreque p 249 p 273 p 273 p 274 p 275 p 76 from op p 76 ion: Out in of life - p 76 p 76 p 76	ions N86-19861 biologica encies N86-25976 N86-25993 volution A86-12001 by radiatior A86-15474 tically active A86-16426 line of a
4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea Russian book Spin-dependent electron scatterimolecules Molecular theory of evolut	aric condition p 122 tribution in radiofreque p 249 p 273 erredoxin e p 2 tth inducec p 27 ng from op p 76 ion: Out in of life - p 76 tochondria	ions N86-19861 hiologica encies N86-25976 N86-25976 N86-25996 volution A86-12001 by radiation A86-15474 tically active A86-16426 line of a Reference A86-17625 genome
4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea	aric condition p 122 tribution in radiofreque p 249 p 273 predoxin e p 2 tth inducec p 27 ng from op p 76 ion: Out tribution p 104 tributione	ions N86-19861 biologica encies N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-25996 N86-19001 by radiation A86-15474 tically active A86-16426 ine of a Book A86-17623 I genome A86-23996
4	C on pulmonary function in hyperbooks Studies of the electric field distribodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial feed molecular mechanisms of cell deed molecular mechanisms of cell deed molecules Molecular theory of evoluting physico-chemical theory of the original molecules archaeology of the mit Signs of life — in molecules of L	aric condition p 122 tribution in radiofreque p 249 p 273 arredoxin e p 2 thi induced p 27 ng from op p 76 ion: Out in of life p 154 tochondria p 104 linverse p 154 tribution p 154 tochondria p 104 linverse p 154 tribution	ions N86-19861 hiologica encies N86-25976 N86-25976 N86-25980 volution A86-12001 by radiation A86-15474 tically active A86-16425 line of a A86-17623 genome A86-23996 A86-25774
4	C on pulmonary function in hyperbic Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156]  OLECULAR ABSORPTION  A small oxygen concentrator [AD-A163145]  OLECULAR BIOLOGY  New perspectives on bacterial fether modecular mechanisms of cell deather modecules are represented by the concentration of the original fether modecules are represented by the original fether modecules are represented by the original fether modecules are represented by the original fether for the original fether fethe	p 122 tribution in radiofreque p 249  p 273 predoxin e p 2 th induced p 27 ng from op p 76 ion: Out tin of life p 76 tochondria p 104 dniverse p 154 onium form	ions N86-19861  h biologica encies N86-25976  N86-25993  volution A86-12001  J By radiation A86-15474  tically active A86-16425 tine of a Book A86-17623  J genome A86-25974  ation in high
4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea	aric condit p 122 tribution in radiofreque p 249 p 273 arredoxin e p 2 tth induces p 27 from op p 76 foion: Out in of life p 104 loverse p 154 onium form p 189 enger -	ions N86-19861 hiologica encies N86-25976 N86-25976 N86-25980 volution A86-12001 by radiation A86-15474 tically active A86-16425 line of a A86-17623 genome A86-23996 A86-25774
4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea	p 122 tribution in radiofreque p 249  p 273 predoxin e p 2 th induced p 27 ng from op p 76 ion: Out in of life - p 154 chiverse p 154 chium form p 189 enger - ortance	ions N86-19861 biologica encies N86-25976 N86-25976 N86-25976 N86-25980 volution A86-12001 by radiation A86-15474 tically active A86-16420 line of a Book A86-17623 ligenome A86-25774 lation in high A86-28724 History o
4 4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea	aric condition p 122 tribution in radiofreque p 249 p 273 arredoxin e p 2 tth inducece p 27 f from op p 76 foion: Out in of life p 104 lonium form p 189 enger ortance p 157 ctrons fror	ions N86-19861 historia biologica encies N86-25976 N86-25976 N86-25976 N86-25986 volution A86-12010 A86-18426 ine of a second A86-23996 A86-25774 attion in high A86-29256 n Sr-90-Y96 n Sr-90 n S
4 4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea Russian book Spin-dependent electron scatterimolecules Molecular theory of evolut physico-chemical theory of the orig Molecular archaeology of the mit Signs of life in molecules of L Limits on asymmetric orthopositro 2 optically active molecules Calmodulin, a second mess investigation and physiological imp Investigation on the chirality of ele beta-decay and their asymmetrical is	p 122 tribution in radiofreque p 249  p 273 predoxin e p 2 th induces p 27 th induces p 27 th induces p 17 to the first p 104 to the first p 104 to the first p 154 contains p 104 to the first p 154 to the first p 157 to th	ions N86-19861 h biologica encies N86-25976 N86-25976 N86-25976 N86-25980 volution A86-12001 by radiation A86-15474 tically active A86-16425 line of a R86-26774 lation in high A86-25774 lation in high A86-25774 lation in high A86-29264 ni Sr-90-Y-905 with D- and Sr-90-Y
4 4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea — Russian book Spin-dependent electron scatterismolecules Molecular theory of evolut physico-chemical theory of the orig Molecular archaeology of the mit Signs of life — in molecules of U. Limits on asymmetric orthopositor optically active molecules Calmodulin, a second mess investigation and physiological imp Investigation on the chirality of elebeta-decay and their asymmetrical is L-alanines	aric condition p 122 tribution in radiofreque p 249 p 273 arredoxin e p 2 tth induced p 104 from p 166 tochondria p 104 horium form p 189 enger - ortance p 157 ctrons from teractions p 243	ions N86-19861 biologica encies N86-25976 N86-25993 wolution A86-15474 tically active A86-15474 tically active A86-15474 tically active A86-15474 tically active A86-23996 A86-25774 attion in high A86-29256 nSr-90-Y-90 with D- and A86-39258 with D- and A86-3928 with D- and A86-
4 4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at: [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea	aric condition p 122 tribution in radiofreque p 249 p 273 p 273 p 274 th induced p 27 p 2 from op p 76 ion: Out in of life p 104 lniverse p 154 onium form p 189 enger cortance p 157 ctrons from the p 243 interaction p 372	ions N86-19861 historia biologica encies N86-25976 N86-25976 N86-25976 N86-25976 N86-15474 tically active A86-16426 line of a Book A86-17623 ligenome A86-23996 A86-25774 listory o A86-29256 nSr-90-Y-90 with D-90 N86-3390 observed ir A86-3390 observed ir A86-3390 observed ir A86-3390 observed ir A86-41986 N86-3390 observed ir A86-41986 N86-41986 N86-41
4 4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea — Russian book Spin-dependent electron scatterin molecules Molecular theory of evolut physico-chemical theory of the orig Molecular archaeology of the mit Signs of life — in molecules of U. Limits on asymmetric orthopositro 2 optically active molecules Calmodulin, a second mess investigation and physiological imp Investigation on the chirality of elebeta-decay and their asymmetrical in L-alanines Chirally selective, intramolecular an aminoacyl adenylate anhlyride Conservation of the secondary str	aric condition p 122 tribution in radiofreque p 249 p 273 predoxin e p 2 tth induced p 2 tth induced p 176 tochondria p 104 thiverse p 154 thium form p 189 enger - ortance p 157 ctrons from teractions p 243 interaction p 372 ucture of p 372 ucture of p 179 tribution form p 189 enger - ortance p 154 thium form p 189 enger - ortance p 157 ctrons from the radio p 243 interaction p 277 ucture of p 372 ucture of p 372 ucture of p 272 ucture of p 272 ucture of p 242 tribution p 243 interaction p 372 ucture of p 372 ucture of p 272 ucture of p 272 ucture of p 244 tribution p	ions N86-19861 historia biologica encies N86-25976 N86-25976 N86-25976 N86-25976 N86-15474 tically active A86-16426 line of a Book A86-17623 ligenome A86-23996 A86-25774 listory o A86-29256 nSr-90-Y-90 with D-90 N86-3390 observed ir A86-3390 observed ir A86-3390 observed ir A86-3390 observed ir A86-41986 N86-3390 observed ir A86-41986 N86-41986 N86-41
4 4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at: [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fet Molecular mechanisms of cell dear-Russian book Spin-dependent electron scatterin molecules Molecular theory of evolut physico-chemical theory of the origin Molecular archaeology of the mit Signs of life in molecules of Limits on asymmetric orthopositor. Z optically active molecules Calmodulin, a second mess investigation and physiological impulmostigation on the chirality of elebta-decay and their asymmetrical in L-alanines Chirally selective, intramolecular an aminoacyl adenylate anhydride Conservation of the secondary strevolution and the role of the genet	aric condition p 122 tribution in radiofreque p 249 p 273 p 273 p 274 th induced p 27 p 2 th induced p 104 third p	ions N86-19861 hibiologica encies N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-15474 N86-15474 N86-16428 N86-16428 N86-23996 A86-23996 A86-23974 N86-23974 N8
4 4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea — Russian book Spin-dependent electron scatterin molecules Molecular theory of evolut physico-chemical theory of the orig Molecular archaeology of the mit Signs of life — in molecules of U. Limits on asymmetric orthopositro 2 optically active molecules Calmodulin, a second mess investigation and physiological imp Investigation and physiological imp levestigation and physiological imp chirality selective, intramolecular an aminoacyl adenylate anhydride Conservation of the secondary strevolution and the role of the genet	aric condition p 122 tribution in radiofreque p 249 p 273 p 273 p 274 p 2 tth induced p 27 p 76 from op p 76 tochondria p 104 triverse p 154 triverse p 157 ctrons from the p 164 p 372 ucture of p 372 ucture of p 372 ucture of p 372 diation dai	ions N86-19861 h biologica encies N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-25774 N86-25774 N86-25776 N8
4 4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea — Russian book Spin-dependent electron scatterinolecules Molecular theory of evolut physico-chemical theory of the orig Molecular archaeology of the mit Signs of life — in molecules of L Limits on asymmetric orthopositro Coptically active molecules Calmodulin, a second mess investigation and physiological imp Investigation on the chirality of elebeta-decay and their asymmetrical it L-alanines Chirally selective, intramolecular an aminoacyl adenylate anhydride Conservation of the secondary strevolution and the role of the genet The photobiological aspects of ra — Russian book	aric condition p 122 tribution in radiofreque p 249 p 273 arredoxin e p 2 tth inducece p 27 f from op p 76 foion: Out in of life p 104 lniverse p 157 ctrons from treaction p 372 ucture of p ic code p 372 diation dal p 392	ions N86-19861 biologica encies N86-25976 N86-
	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea — Russian book Spin-dependent electron scatterin molecules Molecular theory of evolut physico-chemical theory of the orig Molecular archaeology of the mit Signs of life — in molecules of U. Limits on asymmetric orthopositro 2 optically active molecules Calmodulin, a second mess investigation and physiological imp Investigation on the chirality of elebeta-decay and their asymmetrical in L-alanines Chirally selective, intramolecular an aminoacyl adenylate anhydride Conservation of the secondary strevolution and the role of the genet The photobiological aspects of ra — Russian book Structural correlates of aging in II. to the cell differentiation, rate-of-	aric condition p 122 tribution in radiofreque p 249 p 273 p 273 p 274 th induced p 27 p 26 to chondria p 104 thiverse p 154 to chondria p 104 thiverse p 154 to chondria p 104 thiverse p 157 ctrons from the radiofred p 372 ucture of p ic code p 372 diation dau p 392 trosophila	ions N86-19861 h biologica encies N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-19676 N86-19676 N86-19676 N86-19676 N86-19676 N86-19676 N86-23996 N86-29776 N86-2976 N
	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea — Russian book Spin-dependent electron scatterimolecules Molecular theory of evolut physico-chemical theory of the orig Molecular archaeology of the mit Signs of life — in molecules of L Limits on asymmetric orthopositor Z optically active molecules Calmodulin, a second mess investigation and physiological imp Investigation on the chirality of elebta-decay and their asymmetrical it—alanines Chirally selective, intramolecular an aminoacyl adenylate anhydride Conservation of the secondary strevolution and the role of the genet The photobiological aspects of ra— Russian book Structural correlates of aging in D to the cell differentiation, rate-of-theories of aging	aric condition p 122 tribution in radiofreque p 249 p 273 arredoxin e p 2 tth induced p 2 tth induced p 176 tochondria p 104 thirverse p 157 ctrons from teractions p 243 interaction p 372 ucture of p 16 tochondria p 104 thirverse p 157 ctrons from teractions p 243 interaction p 372 ucture of p 15 code p 372 diation dail p 392 trosophila living and p 415	ions N86-19861 h biologica encies N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-19676 N86-19676 N86-19676 N86-19676 N86-19676 N86-19676 N86-23996 N86-29776 N86-2976 N
4 4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea — Russian book Spin-dependent electron scatterin molecules Molecular theory of evolut physico-chemical theory of the orig Molecular archaeology of the mit Signs of life — in molecules of U. Limits on asymmetric orthopositro 2 optically active molecules Calmodulin, a second mess investigation and physiological imp Investigation on the chirality of elebeta-decay and their asymmetrical in L-alanines Chirally selective, intramolecular an aminoacyl adenylate anhydride Conservation of the secondary strevolution and the role of the genet The photobiological aspects of ra — Russian book Structural correlates of aging in II. to the cell differentiation, rate-of-	aric condit p 122 tribution in radiofreque p 249 p 273 arredoxin e p 2 tth induced p 276 ton form of p 276 ton form of p 276 ton form of p 154 tonium form p 189 enger - ortance p 157 ctrons for traction p 372 ucture of p ic code p 372 diation dai p 392 crosophila living and p 415 ess	ions N86-19861 biologica encies N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-198-199 N86-199 N86-25976 N86-
4 4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea — Russian book Spin-dependent electron scatterimolecules Molecular theory of evolut physico-chemical theory of the orig Molecular archaeology of the mit Signs of life — in molecules of L Limits on asymmetric orthopositor. Z optically active molecules Calmodulin, a second mess investigation and physiological imp Investigation on the chirality of elebta-decay and their asymmetrical it—alanines Chirally selective, intramolecular an aminoacyl adenylate anhydride Conservation of the secondary strevolution and the role of the genet The photobiological aspects of ra — Russian book Structural correlates of aging in E to the cell differentiation, rate-of-theories of aging LSRO/ONR ad hoc review proce [AD-A156590] Information from specific-locus in the contractive of aging Information from specific-locus in the contractive of the contractive of aging Information from specific-locus in the contractive of the contractive of aging Information from specific-locus in the contractive of t	aric condition p 122 tribution in radiofreque p 249 p 273 arredoxin e p 2 tth induced p 2 tth induced p 157 ctrons from the p 154 chailum form p 189 enger p 157 ctrons from the p 154 conding p 154 conding p 154 conding p 155 ctrons from the p 157 ctrons from the p	ions N86-19861 history of the N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-15474 N86-15474 N86-15474 N86-15474 N86-15474 N86-25774 N86-15474 N86-2576 N86-41047 N86-41047 N86-41047 N86-41047 N86-10735 N86-107
	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at: [AD-A165156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A165145] OLECULAR BIOLOGY New perspectives on bacterial fether in the properties of the proper	aric condit p 122 tribution in radiofreque p 249 p 273 arredoxin e p 2 tth induces p 27 tth induces p 27 th induces p 176 to chondrain p 104 to chondrain p 104 to chondrain p 105 to chondrain p 105 to chondrain p 107 trons form p 243 interaction p 372 ucture of p ic code p 372 diation dai p 392 crosophila living and p 415 to see p 4 mutants on tetations in tratations in p 4 trons p 245 to code p 372 diation dai p 392 to coophila living and p 415 to see p 4 mutants on tetations in tetations in tetations in the see p 372 diation dai p 392 to code p 415 to	ions N86-19861 biologica encies N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-12010 A86-12010 A86-17623 igenome A86-23996 A86-25774 ation in high A86-3399 in Sr-90-Y-96 s with D- anc A86-33996 s With D- anc A86-33996 N86-10747 N86-41047 orderin during A86-41047 nage in cells A86-49998 N86-10733 n the nature the mouse
	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A163156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A163145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea — Russian book Spin-dependent electron scatterimolecules Molecular theory of evolut physico-chemical theory of the orig Molecular archaeology of the mit Signs of life — in molecules of L Limits on asymmetric orthopositor. Z optically active molecules Calmodulin, a second mess investigation and physiological imp Investigation on the chirality of elebta-decay and their asymmetrical it—alanines Chirally selective, intramolecular an aminoacyl adenylate anhydride Conservation of the secondary strevolution and the role of the genet The photobiological aspects of ra — Russian book Structural correlates of aging in E to the cell differentiation, rate-of-theories of aging LSRO/ONR ad hoc review proce [AD-A156590] Information from specific-locus in the contractive of aging Information from specific-locus in the contractive of the contractive of aging Information from specific-locus in the contractive of the contractive of aging Information from specific-locus in the contractive of t	aric condition p 122 bribution in radiofreque p 249 p 273 p 273 p 274 p 2 condition in p 2 condition p 2 condition p 2 condition p 2 condition p 160 cochondria p 104 briverse p 157 cortons from p 189 enger - cortance p 157 cortons from p 189 enger - p 157 cortons from p 189 enger - p 157 cortons from p 243 interaction p 243 interaction p 243 interaction p 243 corton p 3 corton p 245 corton p 245 corton p 3 corton p 245 corton p 3 corton p 245 corton p 2	ions N86-19861 historious N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-15474 tically active A86-16428 line of a A86-16428 line of A86-23996 A86-25774 History o A86-29256 nSr-90-Y-906 with D- and A86-41046 rotein during A86-4498 - Relevance free radica A86-49998 N86-10738 n the nature the mouse N86-11038 n History o A86-49998 N86-10738 n the nature the mouse N86-11038 n History o A86-49998 N86-10738 n the nature the mouse N86-110738 n History o A86-49998 N86-10738 n History o A86-49988 n History o A86-4
4 4	C on pulmonary function in hyperb: Studies of the electric field dist bodies. Experimental dosimetry at [AD-A15156] OLECULAR ABSORPTION A small oxygen concentrator [AD-A15145] OLECULAR BIOLOGY New perspectives on bacterial fe Molecular mechanisms of cell dea — Russian book Spin-dependent electron scatterin molecules Molecular theory of evolut physico-chemical theory of the orig Molecular archaeology of the mit Signs of life — in molecules of U. Limits on asymmetric orthopositro 2 optically active molecules Calmodulin, a second mess investigation and physiological imp Investigation on the chirality of elebeta-decay and their asymmetrical in L-alanines Chirally selective, intramolecular an aminoacyl adenylate anhydride Conservation of the secondary strevolution and the role of the genet — Russian book Structural correlates of aging in I. to the cell differentiation, rate-of-theories of aging LSRO/ONR ad hoc review proce [AD-A156590] Information from specific-locus of induced and spontaneous mit [DEB5-014313]	aric condition p 122 tribution in radiofreque p 249  p 273  predoxin e p 2 tth induces p 27 tth induces p 17 tth induces p 17 tth induces p 17 tth induces p 157 ttrons from the p 164 to p 167 ttrons from the p 164 to p 167 ttrons from the p 1	ions N86-19861 historious N86-25976 N86-25976 N86-25976 N86-25976 N86-25976 N86-15474 tically active A86-16428 line of a A86-16428 line of A86-23996 A86-25774 History o A86-29256 nSr-90-Y-906 with D- and A86-41046 rotein during A86-4498 - Relevance free radica A86-49998 N86-10738 n the nature the mouse N86-11038 n History o A86-49998 N86-10738 n the nature the mouse N86-11038 n History o A86-49998 N86-10738 n the nature the mouse N86-110738 n History o A86-49998 N86-10738 n History o A86-49988 n History o A86-4

detectors [PB85-222750]

	MORTALITY
Protein mapping and the problem of complexity in	Transport of arterial blood gates through human skin
molecular biology [DE85-018349] p 85 N86-17979	p 91 N86-16887
DNA and protein studies of HLA class 2 molecules: Their	Division of attention as a function of the number of steps, visual shifts, and memory load
relationship to T cell recognition [AD-A160704] p 116 N86-18968	[NASA-TM-88775] p 404 N86-30328
The 10th Meeting of the International Society for	MONKEYS  Neurophysiological bases of event-related potentials
Neurochemistry held at Riva del Garda, Italy on 19-24 May 1985	[AD-A158997] p 71 N86-14890
[AD-A160668] p 171 N86-21110	Electrocardiogram in NEHB type leads of Macaca mulatta monkeys p 175 N86-21137
USSR report: Life sciences. Biomedical and behavioral sciences	The effects of ketamine on Rhesus monkey skeletal
[JPRS-UBB-86-002] p 209 N86-23222	dynamics [AD-A162848] p 213 N86-24189
Artificial vaccines and stimulation of immunity p 219 N86-23238	Commentary on results of biological satellite program
A comparative study of prebiotic and present day translational models p 303 N86-26877	p 278 N86-27871 Information processing in mammalian visual cortex
USSR report: Life sciences. Biomedical and behavioral	[AD-A165832] p 376 N86-28609 Monkeys as a source of viral diseases in man
sciences [JPRS-UBB-86-009] p 376 N86-28610	[NASA-TM-78017] p 386 N86-28625
Search for chiral molecules and optical activity in	Evaluation of the need for a large primate research facility in space
extraterrestrial systems. The Cassini mission opportunity p 387 N86-28871	[NASA-CR-179661] p 444 N86-32111
The prediction of biological activity using molecular	Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic
connectivity indices [AD-A166986] p 394 N86-31208	fields during the first 54 months of life
OLECULAR CLOUDS	MONOCHROMATIC RADIATION
Signs of life in molecules of Universe p 154 A86-25774	Effect of low-power millimeter-range monochromatic electromagnetic radiation on biological processes
Prebiotic matter in interstellar molecules	p 155 A86-27475
p 296 A86-38138 Recent observations of organic molecules in nearby	MONOCULAR VISION  Mild hypoxia and visual performance with night vision
cold, dark interstellar clouds p 296 A86-38139 Boundary conditions for the paleoenvironment:	goggles p 249 A86-33755
Chemical and Physical Processes in dense interstellar	The importance of stereoscopic imagery in flight simulation p 383 A86-40483
clouds p 297 N86-26847 Interstellar isomers p 298 N86-26848	MONOMERS
OLECULAR EXCITATION	Further work on sodium montmorillonite as catalyst for the polymerization of activated amino acids
Advances in nerve cell research p 91 N86-16882 OLECULAR INTERACTIONS	p 301 N86-26868
Molecular microenvironments: Solvent interactions with	Health hazard evaluation of liquid monopropellants.
nucleic acid bases and ions p 302 N86-26872 Intramolecular interactions in aminoacyl nucleotides:	Phase 4. Subchronic inhalation of hydroxylammonium nitrate, January 1985
Implications regarding the origin of genetic coding and protein synthesis p 302 N86-26873	[AD-A157623] p 17 N86-11844
Stereoselective aminoacylation of RNA	Health hazard evaluation of liquid monopropellants. Phase 5: Comparative inhalation toxicities of LGP 1776,
p 302 N86-26875 Protobiological informatoin, bidirectional recognition and	LGP 1845, and HAN (hydroxylammonium nitrate)
reverse translation p 303 N86-26878	[AD-A159090] p 40 N86-13891 MONOSACCHARIDES
OLECULAR STRUCTURE  Conservation of the secondary structure of protein during	Study of cell-wall antigen determinants in ribosomal
evolution and the role of the genetic code	preparations of group a streptococcus p 220 N86-23243
p 372 A86-41047 Advances in nerve cell research p 91 N86-16882	MONTE CARLO METHOD  Pilot interaction with automated airborne decision
Fluorescent-polarization properties of chromophores of water-soluble proteins of normal and cataractal human	making systems
lens p 118 N86-19832	[NASA-CR-176986] p 408 N86-31218 MONTMORILLONITE
Experimental, structural and theoretical models of bacteriochlorophylls a, d and g	Further work on sodium montmorillonite as catalyst for
[DE86-001727] p 158 N86-21101	the polymerization of activated amino acids p 301 N86-26868
Artificial antigens, vaccines reviewed p 219 N86-23239	MORALE  The influence of quality circles on attitudinal outcomes
Base pairing and base mis-pairing in nucleic acids	among civil engineering personnel
p 304 N86-26881 Higher-order structure of rRNA p 305 N86-26888	[AD-A161152] p 136 N86-19905 MORPHINE
The rRNA evolution and procaryotic phylogeny	Mesolimbic and nigrostriatal dopaminergic systems:
p 305 N86-26889 The prediction of biological activity using molecular	Behavioral neuropharmacology [AD-A160821] p 136 N86-19900
connectivity indices [AD-A166986] p 394 N86-31208	MORPHOLOGY
OLECULAR WEIGHT	Morphological evidence of mechanoreceptive gravity perception in a water flea - Daphnia magna
Review of modified hemoglobin solutions for use as temporary blood substitutes	p 199 A86-30435
[AD-A164210] p 256 N86-25114	A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure divers
OLECULES Small X-ray diffraction of immunoglobulin-membrane	p 121 N86-19857 USSR report: Space Biology and Aerospace Medicine,
complexes	volume 19, no. 6, November - December 1985
[AD-A158252] p 29 N86-13882 Bimane derivatives as fluorescent probes for biological	[JPRS-USB-86-001] p 172 N86-21114 Condition of thyroid gland and C cells during long-term
macromolecules [AD-A162725] p 160 N86-22088	rotation (morphological and biochemical investigation)
[AD-A162725] p 160 N86-22088 Cooperation of catalysts and templates	p 174 N86-21126 Macrophage structure and function
p 301 N86-26871 Molecular microenvironments: Solvent interactions with	[AD-A163314] p 276 N86-26793
nucleic acid bases and ions p 302 N86-26872	Morphological and biochemical investigation of rat adrenocortical function during long-term hypokinesia
Molecular replication p 302 N86-26874 OLTEN SALTS	p 279 N86-27889
Topical effects of molten salt on rat integument - A	Skeletal response to short-term weightlessness [NASA-TM-88778] p 379 N86-29496
histological and photometric assessment p 245 A86-33761	MORTALITY  Correlation between plasma fibronectin level and
ONITORS TV monitoring control system in electrophysiological	experimental rat heat stress mortality
studies p 14 N86-10765	[AD-A160943] p 1 A86-10101 Studies of participants in nuclear tests
Alerted monitors: Human operators aided by automated detectors	p 38 N86-12964
EDDRE 0007501	Environmental factors and infant mortality

p 47 N86-13906

muscle

p 74 A86-18731

p 86 A86-20003

p 81 A86-22593

p 81 A86-22594

Effects of breathing pattern on inspiratory muscle

Resistance, exchange and capacitance functions of

Changes in the function of skeletal muscle vessels due

skeletal muscle vessels in the presence of acute hypoxic

--- Russian book

hypoxia

endurance in humans

to the cardiogenic depressor reflex

p 291 N86-26832

p 174 N86-21127

p 90 A86-22549

Condition of cardiovascular system in presence of acute

The electrokinetic properties of cell nuclei in the human

buccal epithelium in conditions of motion sickness and

Analysis of health effects resulting from population Head movements in non-terrestrial force environments MOVING TARGET INDICATORS exposures to ambient particulate matter. Health and elicit motion sickness - Implications for the etiology of Enhancing sensitivity to visual motion and enhancing environmental effects document, 1985 p 253 A86-36315 space motion sickness risual sensitivity p 225 N86-24208 [DE86-002161] What is the parameters for the prediction of seasickness (AD-A1588001 p 40 N86-13889 EFFECTS: Documentation and verification for a BEIR susceptibility? - On the Device for combined study of visual tracking and verbal 3 cancer risk model based on age, sex and population visual-vestibular-somatosensory interaction p 175 N86-21133 dynamics for BIOTRAN p 377 A86-41645 MULTIPROCESSING (COMPUTERS) (DE86-003285) p 226 N86-24210 Circulation and oxygen tension in the brain of wakeful Development of a hierarchical multiprocessor control for MOTION rabbits in conditions leading to motion sickness a polyarticulated mechanical structure used to study human Development of intuitive theories of motion - Curvilinear p 373 A86-43422 operators subjected to vibrations --- French thesis motion in the absence of external forces Dynamics of changes of statistical indicators of heart p 433 A86-48553 n 426 A86-49521 MULTIVARIATE STATISTICAL ANALYSIS rhythm of persons with different degree of motion Weather and migraine p 166 N86-21027 A multivariate study of the relationship between the sickness p 12 N86-10743 MOTION AFTEREFFECTS genetic code and the physical-chemical properties of amino acids p 104 A86-23997 Statistical research on problems of biodynamics Invariant tuning of motion aftereffect [AD-A1579931 p 67 N86-15899 p 94 A86-20899 Performance measurement guidelines for research The beginnings of airborne weightlessness research A purely central movement aftereffect induced by [AD-A1590551 p 71 N86-14891 [AD-A160575] binocular viewing of dynamic visual noise p 115 N86-18966 Antiemetic drugs and pilot performance General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 p 133 A86-26297 [AD-A1621001 p 224 N86-24200 Suppression of visible persistence in apparent motion MURCHISON METEORITE Stimulus specificity and individual stereotypy of p 133 A86-26298 Amino acids of the Murchison meteorite. II - Five carbon MOTION PERCEPTION utonomic responses to motion stressors acyclic primary beta-, gamma-, and delta-amino alkanoid The perception of motion during colinear [NASA-CR-176543] p 171 N86-21107 p 77 A86-19126 p 41 A86-14143 Exploratory studies of physiological components of MUSCI ES Judgments of natural and anomalous trajectories in the motion sickness: Cardiopulmonary differences between Changes in skeletal muscle properties following hindlimb presence and absence of motion p 69 A86-16922 igh and low susceptibles p 198 A86-30428 The influence of preview period and global optical flow p 171 N86-21108 (NASA-CR-176541) Control of arachidonic acid relea se in chick muscle rate on sensitivity to loss in speed of self motion cultures Shuttle flight experiment 30-day summary report p 198 A86-30429 p 230 A86-29901 [NASA-CR-176539] Cage-size and gender effects on fatigue in rats p 171 N86-21109 Increasing sensitivity to optical information specifying p 198 A86-30430 Vection-induced gastric dysrhythmias and motion p 230 A86-29904 loss in altitude Morphological and biochemical changes in soleus and An investigation regarding the use of a dynamic seat-pan extensor digitorum longus muscles of rats orbited in [NASA-CR-176620] p 176 N86-22095 display for training and as a device for communicating Electrodermal changes corresponding to the degree of Spacelab 3 p 203 A86-30464 roll-axis motion information p 239 A86-29918 Strength modeling report scomfort induced by motion sickness Window of visibility - A psychophysical theory of fidelity [NASA-CR-171896] p 15 N86-10770 in time-sampled visual motion displays [NAL-TR-880] p 176 N86-22096 Muscle fatigue: Physiological and biochemical studies p 240 A86-32451 Normal and abnormal human vestibular ocular p 120 N86-19851 function Mechanisms of human motion perception revealed by Weightlessness simulation: Physiological changes in fast [NASA-CR-176820] p 257 N86-25978 a new cyclopean illusion p 235 A86-33103 Enhancing sensitivity to visual motion and enhancing An analysis of potential predictive parameters of motion [NASA-CR-1769451 p 380 N86-29498 visual sensitivity sickness using a computerized biophysical data acquisition A possible role for endogenous glucocorticoids in [AD-A158800] p 40 N86-13889 orchiectomy-induced atrophy of the rat levator ani muscle: Enhancing visual sensitivity [AD-A158799] [AD-A1640991 p 257 N86-25981 Studies with RU38486, a potent and selective n 68 N86-15906 Long-term adaptation of the otolith organs antiglucocorticoid Contributions workload of rotational optical p 389 N86-29526 [NASA-CR-177029] p 411 N86-30343 transformations Analysis of nystagmus response to a pseudorandom Intrinsic alteration of the reactive properties of arteries [NASA-CR-176542] p 171 N86-21106 velocity input p 402 N86-31426 during hypothermia Sensitivity to visual motion in statistically defined MOTION SICKNESS DRUGS [AD-A166523] p 402 N86-31213 displays The startle reflex as a learning task: Apparatus and test Endocrine correlates of susceptibility to motion ickness p 59 A86-18834 AD-A1672911 p 405 N86-31217 sickness MOTION SICKNESS [AD-A167958] Calcium antagonists in the prevention of motion p 428 N86-32970 Behavioral Airsickness Management program for Operator alertness/workload assessment using sickness p 87 A86-20405 student nilots stochastic model-based analysis of myoelectric signa Arousal and stability - The effects of five new p 18 A86-10258 [AD-A161266] [AD-A168567] p 428 N86-32973 sympathomimetic drugs suggest a new principle for the Serum levels of eleven steroid hormones following Operator alertness/workload assessment using prevention of space motion sickness motion sickness p 8 A86-10259 stochastic model-based analysis of myoelectric signs Airsickness among Indian Airlines passengers p 113 A86-25656 [AD-A168568] p 429 N86-32974 p 12 A86-12435 Transdermal scopolamine - Human performance and MUSCULAR FATIGUE side effects prophylaxis and p 31 A86-13300 Responses of skeletal muscle to unloading - A review p 192 A86-30379 The use of reflex therapy in the p 163 A86-29094 treatment of motion sickness The effect of antimotion sickness drugs on habituation Effects of head and body restraint on experimental p 377 A86-41780 Cage-size and gender effects on fatigue in rats motion-induced sickness in squirrel monkeys Naloxone enhances motion sickness - Endorphins p 198 A86-30430 p 26 A86-14314 p 395 A86-44088 implicated Pulmonary adaptation to high altitude [AD-A157694] p 32 A86-14315 MOTION SIMILIATION Tachyoastria and motion sickness p 62 N86-14873 Space motion sickness preflight adaptation training Muscle fatigue: Physiological and biochemical studies The effects of psychophysical matching on the transfer of training between alternative motion simulators Preliminary studies with prototype trainers p 120 N86-19851 p 232 A86-29919 Respiratory response and muscle function during [IAF PAPÉR 85-311] p 35 A86-15822 MOTION SIMULATORS isometric handgrip exercise at high altitude Spacelab experiments on space motion sickness [AD-A162003] [IAF PAPER 85-312] The effects of psychophysical matching on the transfer p 223 N86-24198 p 35 A86-15823 MUSCULAR FUNCTION The desensitisation of chronically motion sick aircrew of training between alternative motion simulators Exercise hyperthermia as a factor limiting physical p 232 A86-29919 in the Royal Air Force p 59 A86-18832 MOTION STABILITY performance Temperature effect on Self-control of psychophysiologic response to motion Interaction between the otolithic organ and the metabolism p 1 A86-10104 stress Using biofeedback to treat sickness semicircular canals of the vestibular apparatus in the Recovery in skeletal muscle contractile function after [AD-A163428] p 70 A86-18833 system of spatial angular stabilization in humans prolonged hindlimb immobilization p 1 A86-10109 Simulator sickness - Incidence of simulator aftereffects p 161 A86-27474 Biochemical response to chronic shortening in unloaded in Navy flight trainers p 85 A86-19346 MOTIVATION soleus muscles p 3 A86-12380 The electrokinetic properties of cell nuclei in the human Flying and danger, joy and fear --- pilot motivation and Changes in the vascular functions of skeletal muscles buccal epithelium in conditions of motion sickness and fear of flying p 3 A86-12522 due to acute hypothermia hypoxia p 90 A86-22549 [AD-A1665551 p 131 A86-25655 Effects of suspension hypokinesia/hypodynamia on rat Canadian medical experiments on Shuttle Flight 41-G Formula for a better understanding of pilot performance p 230 A86-29900 skeletal muscle p 26 A86-14313 p 110 A86-22996 performance Muscle metabolism during exercise in the heat in Some psychological aspects of air sickness Adaptive motivation theory unacclimatized and acclimatized humans [AD-A157440] p 131 A86-24508 p 21 N86-11851 p 36 A86-16051 Visual distortion - The correlation model Man-machine systems of the 1990 decade: Cognitive Some results of a study of the bioenergetics of rat muscle factors and human interface issues [SAE PAPER 841595] p 114 A86-26026 in weightlessness p 49 A86-16754 [AD-A163865] p 273 N86-25123 Is space sickness a form of motion sickness? Muscle vibrations and man-machine system dynamics The healthy motivation to fly: No psychiatric diagnosis p 214 A86-30382

[AD-A164944]

mountain sickness

MOUNTAINS

hypoxia

Animal models of motion sickness - Are nonemetic

The role of hormonal changes in the development of

Sudden emesis following parabolic flight maneuvers

p 193 A86-30393

p 216 A86-30896

p 250 A86-33759

species an appropriate choice?

Implications for space motion sickness

motion sickness in man

p 116 N86-18969

p 7 N86-11835

p 7 N86-11836

p 17 N86-11845

p 30 N86-13884

p 55 N86-15861

p 388 N86-29523

p 281 A86-39772

p 54 N86-14856

Glucocorticoid antagonism by endotoxin: Biological

effects during stress and basis for inhibition of

Relationship between alkylation sites and induction of

ominant lethals and heritable translocations in mice

Information from specific-locus mutants on the nature

of induced and spontaneous mutations in the mouse

Dose distribution and the relative biological effectiveness

Prospects for DNA methods to measure human heritable

Molecular mechanisms of mutagenesis determined by

Electron reactions in model and biological systems

Xiphophorus: A system to recognize radiation-induced

Cardiac response of submaximal exercise in dogs

The distinctive features of the energetic metabolism,

susceptible to sudden cardiac death p 1 A86-10107

Flight fitness and a past myocardial infarction

mutations and to study the effects of zero-gravity

phosphoenolpyruvate carboxykinase

[AD-A160740]

[DE85-014309]

[DE85-014313]

[DE85-013041]

mutation rates

[DE85-0145551

[DE85-016353]

[DE85-016062]

MYOCARDIUM

of internal alpha emitters

e recombinant DNA technology

environment on embryo development

MYOCARDIAL INFARCTION

MUTATIONS

interaction of the thermoreceptor and vestibular signals in the regulation of the activity of flexor and extensor motor nuclei during cold tremors p 103 A86-23493 How does skeletal muscle effectively function both in the case of posture maintenance and movements? p 105 A86-24308 Skeletal muscle lactate release and glycolytic intermediates during hypercapnia p 155 A86-28124 Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 Effects of gravitational and muscular loading on bone formation in growing rats p 194 A86-30396
Are there conditions in which adrenalectomy impedes the atrophying effects of denervation? p 194 A86-30397 Changes in muscle protein composition induced by isuse atrophy - Analysis by two-dimensional electrophoresis Responses of amino acids in hindlimb muscles to recovery from hypogravity and unloading by tail-cast p 202 A86-30456 SUSPINATION Muscle protein and glycogen responses to recovery from hypogravity and unloading by tail-cast suspension p 202 A86-30457 Effect of seven days of spaceflight on hindlimb muscle protein, RNA and DNA in adult rats p 204 A86-30471 The regulatory mechanisms of blood supply in skeletal uscles --- Russian book p 207 A86-32524 Some aspects of yogic exercises during space flight p 263 A86-35289 Time course of muscular blood metabolites during forearm rhythmic exercise in hypoxia p 252 A86-36222 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36223 The mechanisms of muscle activity regulation in humans depending on biorhythm type p 254 A86-36528 Muscle atrophy during space flight - Research needs and opportunities p 255 A86-37077 Epinephrine-induced changes in muscle carbohydrate metabolism during exercise in male subjects p 280 A86-39092 Forearm skin and muscle vasoconstriction during lower body negative pressure p 280 A86-39093 Phases of muscular thermogenesis under experimental hyperthyrosis p 373 A86-43425 Metabolism of amino acids by the atrophied soleus of tail-casted, suspended rats p 374 A86-43442 Inhibitory effects of combined agonist and antagonist muscle vibration on H-reflex in man p 395 A86-44090 Models of disuse - A comparison of hindlimb suspension and immobilization D 391 A86-44196 Changes in pericardial microcirculation in dogs during adaptation to static muscle loads p 392 A86-45321
Effect of inactivity and passive stretch on protein turnover in phasic and postural rat muscles D 413 A86-47971 On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870 Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems during muscular work

D 422 A86-49919 p 422 A86-49919 Biochemical responses of Xenopus Laevis muscles to changes in environment. I. - Comparison to Rana Catesbeiana and exposure to gravic environment p 415 A86-50288 Biochemical responses of Xenopus laevis muscles to changes in environment. II - Responses to gravity and pressure p 415 A86-50289 Assessment of state of chronotropic and inotropic heart function at different degrees of physical fitness p 12 N86-10746 Heat transfer mechanism in human extremities p 14 N86-10759 Strength modeling report [NASA-CR-171896] p 15 N86-10770 Effect of 7-day immersion hypokinesia on characteristics of precision movements p 65 N86-15874 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198 Resistance, exchange, and capacitance functions of skeletal muscle vessels in acute hypoxic hypoxia p 379 N86-28611 Investigation of limb-sidestick dynamic interaction with roll control p 438 N86-32991 MUSCULAR STRENGTH Testosterone and muscle hypertrophy in female rats p 2 A86-12026 Hand grip strength decrease related to hand skin temperature drop during six-hour ice cold water immersion p 86 A86-19348 Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334]

surveys [AD-A161773] The effects of ketamine on Rhesus monkey skeletal [AD-A1628481 Collagen, lipid and glycogen content of rat skeletal muscles in recovery period after 15- and 30-day hypokinesia The origin of the spicule skeleton of fresh water sponges (Spongillides) Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development Functional development of gravity receptors in insects and amphibians Flow cytometry analysis of hormone receptors on human stress-induced neuroendocrine effects Inexpert calibration of comprehension [AD-A165701] MUTAGENS Somatic cell and molecular genetics approach to DNA repair and mutagenesis [DE85-014181] Positive genetic hazard predictions from short-term tests have proved false for results in mammalian spermatogonia

Helicopter-control-referenced strength capabilities of small individuals p 213 A86-29855 Responses of skeletal muscle to unloading - A review p 192 A86-30379 Efficiency of muscular work in adaptation to cold ρ5 N86-10763 Strength modeling report [NASA-CR-171896] Changes in physicochemical properties of contractile and regulatory proteins in different types of muscles during and after exposure to accelerations p 61 N86-14860 Application of the system identification technique to 0081-directed saccades [AD-A159102] p 69 N86-15909 A comparison of the effects of circuit weight training on men and women [AD-A159419] p 69 N86-15910 Comparison of male and female maximum lifting [AD-A160687] Respiratory response and muscle function during ometric handgrip exercise at high altitude [AD-A1620031 p 223 N86-24198 Changes in fitness and shipboard task performance following circuit weight training programs featuring continuous or interval running [AD-A1631101 p 225 N86-24206 Fitness and activity assessments among US Army populations: Implications for NCHS general population [AD-A1640601 p 257 N86-25980 MUSCULAR TONUS Effects of muscle atrophy on motor control [NASA-CR-177201] p 288 N86-27913 MUSCULOSKELETAL SYSTEM The skeleton in space p 10 A86-11833 Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat p 49 A86-16901 Responses of skeletal muscle to unloading - A review p 192 A86-30379 Skeletal mass change as a function of gravitational p 192 A86-30380 A marsupial model for the investigation of gravitational effects on early development effects on early development p 195 A86-3040 Localization of calcium stimulated adenosir triphosphatase activity in blood vessels of the skeleton p 195 A86-30404 adenosine n 197 A86-30424 Changes in skeletal muscle properties following hindlimb suspension p 198 A86-30428 The regulatory mechanisms of blood supply in skeletal muscles --- Russian book p 207 Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations p 54 N86-14858 Animal studies on Spacelab-3 [NASA-TM-88212] p 92 N86-16889 Health and performance of antarctic winter-over ersonnel: A follow-up study

glycolysis, and tissue respiration of the myocardium in rats having high and low resistance to hypoxia p 80 A86-21455 A bidomain model for the extracellular potential and agnetic field of cardiac tissue p 206 A88-31224 magnetic field of cardiac tissue Changes in the contractile and electrical activities of the rat myocardium under the effect of verapamil under insufficient oxygenation p 246 A86-35939 Exercise conditioning increases rat myocardial calcium p 276 A86-39097 The contractile function and the energy metabolism of the myocardium under emotional stress and during adaptation of animals to short stress effects p 392 A86-45322 Classification of changes in electrocardiogram during muscular exertion of healthy individuals p 14 N86-10755 Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months

MYOELECTRICITY

p 182 N86-22109

p 213 N86-24189

p 279 N86-27886

p 388 N86-29519

p 388 N86-29523

p 389 N86-29527

to identify

p 403 N86-31428

p 382 N86-28617

n.4 N86-10737

p 6 N86-11833

p 17 N86-11847

p 55 N86-15861

cells

blood mononuclear

with all environmental chemicals so far tested

Prospects for DNA methods to measure human heritable

Electron reactions in model and biological systems

[DE85-0136401

mutation rates

p 137 A86-23523

[DE85-014555]

[DE85-016062]

Vection-induced gastric dysrhythmias and motion [NASA-CR-176620] p 176 N86-22095

NAP-OF-THE-EARTH NAVIGATION

A model of the human's use of visual field cues in nap-of-the-earth flight [AIAA PAPER 86-2252] p 426 A86-47498 Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 A model for the human's use of visual field cues in nap-of-the-Earth flight p 441 N86-33004 NAPHTHALENE Comparative biochemistry and metabolism. Part 2:

Naphthalene lung toxicity [AD-A163144] p 257 N86-25983

NARCOSIS

An attempt to counteract nitrogen narcosis by naloxone administration p 123 N86-19865 NASA PROGRAMS

Opening up the astronaut selection process

p 18 A86-10493 Overview of the NASA SETI Program

p 309 N86-26909

JPL's role in the SETI program p 310 N86-26913 Evaluation of the need for a large primate research facility in space [NASA-CR-179661]

NASA SPACE PROGRAMS

NATURAL LANGUAGE (COMPUTERS)

The design of natural language interfaces
[AD-A162181] p. 242 NAVIGATION

vertical and translational flight [AD-A161364]

NAMOATORO	NEUROL COV	
NAVIGATORS A study of the flight environment component of aircrew	NEUROLOGY	Mechanism of electromagnetic energy effects on the
fatigue in student navigators	Mode of neural control mediating rat tail vasodilation during heating p 28 A86-16055	nervous system: Voltage-clamp study
[AD-A160796] p 117 N86-18973	· · ·	[AD-A164653] p 282 N86-26798
Sensitivity to color contrasts and the selection of	Brain asymmetry in animals Russian book	Studies on information processing mechanisms in the
navigator personnel p 400 N86-30318	p 50 A86-17467 Criteria for a state-of-the-art vision test system	central visual system of the cat [EL-861] p 277 N86-27865
NAVY	[AD-A157099] p 45 N86-12973	[EL-861] p 277 N86-27865 Change of RNA and protein level in neurons-glia system
Naval Training Command mishaps and instructor	Radiosensitivity of animals irradiated in modified gas	under effects of hyperthermia and hypoxia
experience p 94 A86-20409	medium: Modification of cerebral syndrome in mice by	p 278 N86-27877
Retrospective analysis of Naval Special Boards of Flight	hypoxic hypoxia and hyperoxia during irradiation	Studies on visual information processing in retinal
Surgeons, 1974-83 p 251 A86-33763	p 54 N86-14847	neurons
Study of biotechnology applied to research and	Nystagmus as related to utricular function	[EL-859] p 288 N86-27906
development	p 61 N86-14862	Information processing in mammalian visual cortex
[AD-A161877] p 212 N86-24185	The 10th Meeting of the International Society for	[AD-A165832] p 376 N86-28609
Changes in fitness and shipboard task performance	Neurochemistry held at Riva del Garda, Italy on 19-24	Function-dependent plasticity in the nervous system
following circuit weight training programs featuring continuous or interval running	May 1985	p 389 N86-29528
[AD-A163110] p 225 N86-24206	[AD-A160668] p 171 N86-21110	Neurophysiological research supporting the
Human factors engineering and operability in the design	Visual hemispheric specialization: A computational	investigation of adaptive network architectures
of electronic warfare spaces aboard United States Naval	theory [AD-A161296] p 235 N86-23279	[AD-A166074] p 405 N86-31216 NEUROPHYSIOLOGY
combatants	Using Ashford's general model to aid in the	Electrocardiographic changes in serious decompression
[AD-A162251] p 243 N86-24222	understanding of a pesticide's neurotoxic effect through	sickness
Relationship of cardiopulmonary fitness to flight	pesticide-drug mixture experiments	[AD-A160944] p 2 A86-10254
performance in tactical aviation p 401 N86-30326	[PB86-130028] p 226 N86-24211	Responses of bulbospinal and laryngeal respiratory
Hypobaric training of flight personnel without	Analytical comparison of transient and steady state	neurons to hypercapnia and hypoxia p 3 A86-12381
compromising quality of life p 401 N86-30327	visual evoked cortical potentials p 436 N86-32978	EEG studies in episodic unconsciousness, seizure
NEAR FIELDS	NEUROMUSCULAR TRANSMISSION	disorder and syncope p 12 A86-12434
Studies of the electric field distribution in biological	Neck and oculomotor reflexes induced by electrical	Neurochemical basis of chemical thermoregulation and
bodies. Experimental dosimetry at radiofrequencies [AD-A163156] p 249 N86-25976	stimulation of the semicircular canal ampullae in the	artificial hypobiosis p 27 A86-15521
[AD-A163156] p 249 N86-25976 NEBULAE	pigeon p 26 A86-14595	The effect of high spatial frequencies on visual
Diatoms on earth, comets, Europa and in interstellar	The alleviating effect of arbitrary movements on the	recognition processes p 41 A86-15524
space p 410 A86-44354	vestibulomotor p 216 A86-30898	Neurochemical mechanisms of artificial hypobiosis and
NECK (ANATOMY)	Study of toxic and antigenic structures of botulinum neurotoxins	chemical thermoregulation p 27 A86-15525
Neck and oculomotor reflexes induced by electrical	[AD-A156642] p 29 N86-13880	Modern concepts regarding some nontraditional neuroendocrine mechanisms of stress
stimulation of the semicircular canal ampullae in the	Individual differences in maximum oxygen uptake	p 49 A86-16800
pigeon p 26 A86-14595	regulation and level p 62 N86-14863	Neural dynamics of perceptual grouping - Textures,
Incorporation of active elements into the articulated total	Application of the system identification technique to	boundaries, and emergent segmentations
body model	goal-directed saccades	[AD-A165648] p 70 A86-17352
[AD-A162518] p 177 N86-22101	[AD-A159102] p 69 N86-15909	Brain asymmetry in animals Russian book
Human head/neck/upper-torso model response to	Incorporation of active elements into the articulated total	p 50 A86-17467
dynamic loading p 221 N86-23266	body model	The effect of high energy (HZE) particle radiation (Ar-40)
NEEDLES Suture needle holder	[AD-A162518] p 177 N86-22101	on aging parameters of mouse hippocampus and retina
[AD-D011764] p 37 N86-12958	Multidisciplinary studies on excitatory amino acids as	p 50 A86-17679
NEOPLASMS	transmitters in the brain	Visual perception and memory: Information processes
Bioassay of military relevant compounds for	[AD-A164258] p 256 N86-25115	and neuron mechanisms Russian book
carcinogenic activity by the strain A mouse lung tumor	Neurophysiological research supporting the investigation of adaptive network architectures	p 52 A86-18744 The dynamics of the human estimation of image size
bioassay	[AD-A166074] p 405 N86-31216	and its neurophysiological correlates p 89 A86-22539
[AD-A156772] p 93 N86-17981	NEURONS	Interaction of the thermoreceptor and vestibular signals
NERVES	Neuronal reactions and evoked potentials in the	in the regulation of the activity of flexor and extensor motor
Microwave effects on CNS: A histopathologic,	subcortical brain structures in the process of visual	nuclei during cold tremors p 103 A86-23493
ultrastructural and autoradiographic study	recognition. I - Formulation of the problem and basic	Postradiation disorders of peripheral-nerve regeneration
[AD-A165040] p 277 N86-27867	methods for its solution p 9 A86-10696	and the role of free-radical oxidation products in the
Peripheral nerve injury in developing rats reorganizes motor cortex	Responses of bulbospinal and laryngeal respiratory	appearance of these disorders p 105 A86-24422
	neurons to hypercapnia and hypoxia p 3 A86-12381	Thermoencephaloscopy p 206 A86-30892
[AD-A168019] p 417 N86-32952 A model of the transient part of the spatio-temporal	Catecholamine content of single brain nuclei in August	The role of hormonal changes in the development of
perception, containing a two-dimensional long fiber	rats following immobilization stress p 3 A86-12521	motion sickness in man p 216 A86-30896
[ETN-86-97540] p 426 N86-32966	Proteins and RNA in the neuron-neuroglia system of n. raphe dorsalis neurons of the ground squirrel brain during	Role of dopaminergic systems of neostriatum during the
NERVOUS SYSTEM	hibernation p 26 A86-14593	activity of the central nervous system in man and animals p.208 A86-33070
Eye-movement activity as index of functional state of	Encoding of spatial location by posterior parietal	animals p 208 A86-33070 Conticoreticular interactions in the mechanisms of
brain p 14 N86-10756	neurons p 27 A86-14714	reflexotherapy p 208 A86-33071
Cognitive science program: Dissociation of the central	Responses of cat red-nucleus neurons to auditory	Neuromagnetism - Theory, techniques, and
timekeeper and the peripheral implementation processes	signals p 52 A86-18181	measurements Thesis p 217 A86-33459
in repetitive movements	Neurons as detectors of errors in the subcortical	Gamma-aminobutyric acid and bulbar mechanisms of
[AD-A157542] p 21 N86-11852	structures of the human brain p 111 A86-24307	hemodynamic regulation p 246 A86-35941
Nystagmus as related to utricular function p 61 N86-14862	Neuronal responses and the evoked potentials in	Dynamics of the ultraslow bioelectric brain activity during
p 61 N86-14862 Advances in nerve cell research p 91 N86-16882	subcortical structures of the human brain during visual	the performance of certain parts of operational activity
Local and global factors in learning	recognition. II - The effect of stimuli relevance on the	p 255 A86-36534
[AD-A161128] p 136 N86-19904	evoked neuronal responses p 216 A86-30894	Naloxone enhances motion sickness - Endorphins
Neurophysiological activity and psychophysical	Ecto-protein kinase activity on the external surface of neural cells p 207 A86-31650	implicated p 395 A86-44088  The effects of cerebral hypoxia and hyperventilatory
effectiveness of environmental factors	neural cells p 207 A86-31650 Impulse activity of the brain stem neurons related to	hypocapnia on the epileptiform activity in the cerebral
p 164 N86-21013	the cardiac and respiratory rhythms p 246 A86-35940	cortex of cats p 392 A86-45318
The 10th Meeting of the International Society for	Correlations between the levels of cerebral blood flow	Dynamics of the cupula in the semicircular canal of the
Neurochemistry held at Riva del Garda, Italy on 19-24	and cerebrovascular reactivity and the functional state of	vestibular analyzer — Russian book p 421 A86-49339
May 1985	brain tissue p 392 A86-45320	The retinal cycle in bacteriorhodopsin Russian book
[AD-A160668] p 171 N86-21110	Stochastic differential equations for neuronal behavior	p 414 A86-49348
Biochemical models for study of nerve cell processes	[AD-A159099] p 69 N86-15908	Voice analyzer for evaluating pilot's condition
p 209 N86-23223 Function-dependent plasticity in the nervous system	Application of the system identification technique to	p 64 N86-14886
p 389 N86-29528	goal-directed saccades	Neurophysiological bases of event-related potentials
NEURAL NETS	[AD-A159102] p 69 N86-15909	[AD-A158997] p 71 N86-14890
Cortical plasticity: Theoretical analysis, experimental	Peptides and memory p 95 N86-16884	Animal studies on Spacelab-3
results	Use of tyrosine or foods to amplify catecholamine release	[NASA-TM-88212] p 92 N86-16889
[AD-A157965] p 38 N86-12961	[AD-A160274] p 108 N86-18958	Mesolimbic and nigrostriatal dopaminergic systems:
Biological investigations of adaptive networks. Neuronal	Neuronal response and evoked potentials in subcortical	Behavioral neuropharmacology
control of conditioned responding	formations in visual perception. Part 1: Problem	[AD-A160821] p 136 N86-19900
[AD-A160345] p 126 N86-19887	formulation and principles of solution	Neurophysiological activity and psychophysical
NEUROBLASTS	p 119 N86-19844	effectiveness of environmental factors
Advances in nerve cell research p 91 N86-16882	Biochemical models for study of nerve cell processes	p 164 N86-21013
NEUROGLIA  Proteins and RNA in the neuron-neuroplic system of	p 209 N86-23223	The role of endorphins in the pathophysiology of
Proteins and RNA in the neuron-neuroglia system of n. raphe dorsalis neurons of the ground squirrel brain during	Multidisciplinary studies on excitatory amino acids as	hemorrhagic and endotoxic shock in the subhuman
hibernation p 26 A86-14593	transmitters in the brain [AD-A164258] p 256 N86-25115	primate
P E0 7100-14080	[AD-A164258] p 256 N86-25115	[AD-A162483] p 177 N86-22100

Studies on information processing mechanisms in the	NITRO COMPOUNDS	Methods of measuring the attenuation of hearing
central visual system of the cat [EL-861] p 277 N86-27865	Health and Environmental Effects of Complex Chemical	protection devices p 406 A86-45073
[EL-861] p 277 N86-27865 Studies on visual information processing in retinal	Mixtures [DE85-016336] p.92 NR6-16892	NOISE SPECTRA
neurons	[DE85-016336] p 92 N86-16892 NITROGEN	Improving intelligibility in audio distribution systems
[EL-859] p 288 N86-27906	Space Station nitrogen supply system based on stored	p 186 A86-28513 NONLINEAR SYSTEMS
Application of portable microprocessor-based system for	chemicals	Nonlinear mechanisms in physiology and
electrophysiological field testing of neurotoxicity	[SAE PAPER 851349] p 139 A86-23535	pathophysiology Toward a dynamical theory of health and
[PB86-145471] p 379 N86-28615	Improvement in wear performance of surgical Ti-6Al-4V	disease p 422 A86-49636
Functional development of gravity receptors in insects and amphibians p 389 N86-29527	alloy by ion implantation of nitrogen or carbon [DE85-013986] p 18 N86-11849	NORADRENALINE
, , , , , , , , , , , , , , , , , , , ,	Man's tolerance to fulminant form of hypoxic hypoxia	Mechanism of noradrenaline effect on the skin
Neurophysiological research supporting the investigation of adaptive network architectures	p 66 N86-15879	thermoreceptors p 103 A86-23491
[AD-A166074] p 405 N86-31216	Investigation of distinctions referable to growth	Analysis of the functional structure of thermogenesis on the basis of pharmacological tests
NEUROSES	development and metabolism of Closteriopsis acicularis	D 208 A86-33074
Mourning and traumatic neuroses - Clinical aspects and	algae when cells are limited in nitrogen as related to	Development of responses to noradrenalin injection in
aeronautical incidents for one helicopter pilot	biological life-support systems for man	control and cold-adapted rats p 373 A86-43424
p 40 A86-13569	p 57 N86-15883 An attempt to counteract nitrogen narcosis by naloxone	The effect of noradrenaline on oxidation metabolism in
US Air Force combat psychiatry	administration p 123 N86-19865	cold-adapted golden hamsters p 413 A86-49155 NOREPINEPHRINE
[AD-A165011] p 292 N86-27921	Application of photosynthetic N2-fixing cyanobacteria to	Effect of head-down tilt on basal plasma norepinephrine
NEUROTRANSMITTERS	the CELSS program p 151 N86-19929	and renin activity in humans p 11 A86-12377
Calmodulin, a second messenger - History of investigation and physiological importance	Can plants grow in quasi-vacuum?	Plasma norepinephrine, blood pressure and heart rate
p 157 A86-29256	p 152 N86-19931	response to graded change in body position
Effects of weightlessness on neurotransmitter receptors	Effects of NO3(-) and NH4(+) and urea on each other's uptake and incorporation p 152 N86-19933	p 59 A86-18835
in selected brain areas p 203 A86-30462	Nitrogen uptake and utilization by intact plants	The activity of cholinesterase and norepinephrine after
Effect of nerve block on response of forearm blood flow	p 153 N86-19941	laser irradiation of acupuncture points
to local temperature p 418 A86-47873	Earth's early atmosphere as seen from carbon and	p 414 A86-49921 Cortical plasticity: Theoretical analysis, experimental
High pressure oxygen (OHP) induced increase of serum	nitrogen isotopic analysis of Archean sediments	results
prolactin is not due to a dopamine (DA)-receptor	p 304 N86-26883	[AD-A157965] p 38 N86-12961
blockade p 123 N86-19867	NITROGEN COMPOUNDS	NOSE (ANATOMY)
Local and global factors in learning	Halobacterium denitrificans sp. nov., an extremely halophilic denitrifying bacterium p 374 A86-43438	The suppressive effect of carbon dioxide on the
[AD-A161128] p 136 N86-19904	NITROGEN DIOXIDE	activation of cold receptors in the nasal cavity of cats
Chemically induced damage to the hippocampal formation	Foliage plants for indoor removal of the primary	p 392 A86-45319
[NDRE/PUBL-86/1002] p 255 N86-25112	combustion gases carbon monoxide and nitrogen	Enhancement of somniferous effects of thermal pulsation by simultaneous application to two reflexogenic
NEUTRAL GASES	dioxide p 156 A86-29089	zones p 120 N86-19849
Can plants grow in quasi-vacuum?	NITROGEN IONS	The interface between atmosphere and organism
p 152 N86-19931	Application of photosynthetic N2-fixing cyanobacteria to	p 164 N86-21014
NEUTRON ACTIVATION ANALYSIS	the CELSS program p 151 N86-19929 NITROGEN ISOTOPES	NOZZLE DESIGN
Method of demonstrating calcium in human foot by	Biomedical research with cyclotron produced	Standardization of carbon-phenolic composite test
neutron activation of (alpha, N)-sources	radionuclides	methodology p 243 N86-24527
p 287 N86-27899	[DE86-000327] p 221 N86-23269	NUCLEAR EXPLOSION EFFECT
NEUTRON IRRADIATION	NITROGEN METABOLISM	Interactive scenario computer model for dose rates to aircrews in flight through nuclear debris clouds
The effect of equally effective neutron and X-ray	Theoretical prerequisites for the possible use of bacteria	[AD-A158741] p 40 N86-13888
radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104	which split organophosphates in order to increase the yield	NUCLEAR EXPLOSIONS
[BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104 NEUTRONS	of nutrient yeast and its nitrogen and phosphorous content	Thyroid absorbed dose for people at Rongelap, Utirik
Neutron effects in humans: Protection considerations	[AD-A161811] p 159 N86-22083	and Sifo on March 1, 1954
[DE85-015047] p 64 N86-14882	NITROGENATION	[DE85-014695] p 17 N86-11846
NICOTINIC ACID	Habitability of the early earth - Clues from the physiology	Studies of participants in nuclear tests
Changes in the blood coagulation system of rabbits	of nitrogen fixation and photosynthesis	p 38 N86-12964 Late biological effects from internal and external
under conditions of acute hypoxia and some methods of	p 25 A86-14117	exposure
its correction p 414 A86-49368 NIGHT	NITROGUANIDINE	[DE86-001181] p 278 N86-27868
Performance overnight in shiftworkers operating a	Acute oral toxicity (LD50) of guanidine hydrochloride in rats	NUCLEAR FUEL REPROCESSING
day-night schedule p 179 A86-29095	[AD-A165747] p 376 N86-28608	Human factors activities in teleoperator development at
Disturbances in the night sleep structure and	NODULES	the Oak Ridge National Laboratory
organization and their significance in the	A cold thyroid nodule - Statistical data and aeronautical	[DE86-005160] p 408 N86-30340 NUCLEAR MAGNETIC RESONANCE
adaptive-recuperation processes p 217 A86-32875	aptitude p 112 A86-24507	Indirect observation by C-13 NMR spectroscopy of a
NIGHT FLIGHTS (AIRCRAFT)	NOISE (SOUND)	novel CO2 fixation pathway in methanogens
Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319	Some nonoccupational aspects of sensorineural loss	p 103 A86-23225
operations p 293 N86-26319 Operational experiences with night vision goggles in	of hearing acuity: A proposed design for study [AD-A160799] p 117 N86-18974	In vivo nuclear magnetic resonance imaging
helicopter low-level flight at night p 293 N86-26805	[AD-A160799] p 117 N86-18974 The effects of bimodal presentation of stimuli and noise	[NASA-CR-171928] p 170 N86-21105
NIGHT VISION	on target detection	Biological effects and physical safety aspects of NMR
Ophthalmological problems linked to helicopter flight	[AD-A160122] p 134 N86-18981	imaging and in vivo spectroscopy
p 112 A86-24504	Attention allocation, distraction, and the type A/Type	[DE86-002966] p 213 N86-24190 NUCLEAR MEDICINE
Mild hypoxia and visual performance with night vision	B behavior pattern	Mechanisms of the radiation protection effect and
goggles p 249 A86-33755	[AD-A160671] p 180 N86-21141	indication of the efficiency of radioprotectors Russian
Mild hypoxia and visual performance with night vision goggles	NOISE INJURIES	book p 207 A86-31375
[AD-A156969] p 23 N86-10787	Practical application of basic research on impulse noise	Cytogenetic changes in cells of lettuce seedlings with
Helicopter cockpit organization for night vision	hazard	exposure to accelerated carbon ion beam
[SNIAS-852-210-103] p 101 N86-17996	[AD-A160432] p 115 N86-18964 NOISE INTENSITY	p 84 N86-16886 Elements of Radiation Protection
Night vision manual for the flight surgeon		
[AD-A159720] p 114 N86-18961	A differential evaluation of the machanism of the officer	[ISS-I -84/7] n 200 NGC 27000
Instrument lighting levels and AN/AVS-6 usage	A differential evaluation of the mechanism of the effect	[ISS-L-84/7] p 288 N86-27908 AFRRI (Armed Forces Badiobiology Besearch
	A differential evaluation of the mechanism of the effect of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)	AFRRI (Armed Forces Radiobiology Research Institute)
[AD-A161538] p 187 N86-21148 Operational experiences with night vision googles in	of noise on the ear in relation to noise frequency	AFRRI (Armed Forces Radiobiology Research Institute) [AD-A165810] p 379 N86-28614
Operational experiences with night vision goggles in	of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study) p 10 A86-11750 Noise levels in cockpits of aircraft during normal cruise	AFRRI (Armed Forces Radiobiology Research Institute) [AD-A165810] p 379 N86-28614 NUCLEAR POWER PLANTS
Operational experiences with night vision goggles in helicopter low-level flight at night p 293 N86-26805 Visual and spectroradiometric performance criteria for	of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)  p 10 A86-11750  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651	AFRRI (Armed Forces Radiobiology Research Institute) [AD-A165810] p 379 N86-28614  NUCLEAR POWER PLANTS Radioprotection update
Operational experiences with night vision goggles in helicopter low-level flight at night p 293 N86-26805 Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior	of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)  p 10 A86-11750  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Cockpit speech interference considerations	AFRRI (Armed Forces Radiobiology Research Institute) [AD-A165810] p 379 N86-28614  NUCLEAR POWER PLANTS Radioprotection update [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146
Operational experiences with night vision goggles in helicopter low-level flight at night p 293 N86-26805 Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior lighting p 294 N86-26807	of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)  p 10 A86-11750  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Cockpit speech interference considerations  p 229 A86-29895	AFRI (Armed Forces Radiobiology Research Institute) [AD-A165810] p 379 N86-28614  NUCLEAR POWER PLANTS  Radioprotection update [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146  Human engineering guidelines for the evaluation and
Operational experiences with night vision goggles in helicopter low-level flight at night p 293 N86-26805 Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior lighting p 294 N86-26807 Aeromedical lessons learned with night vision devices	of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)  p 10 A86-11750  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Cockpit speech interference considerations  p 229 A86-29895  NOISE POLLUTION	AFRRI (Armed Forces Radiobiology Research Institute) [AD-A165810] p 379 N86-28614  NUCLEAR POWER PLANTS Radioprotection update [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146 Human engineering guidelines for the evaluation and assessment of video display units
Operational experiences with night vision goggles in helicopter low-level flight at night p 293 N86-26805 Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior lighting p 294 N86-26807 Aeromedical lessons learned with night vision devices p 283 N86-26810	of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study) p 10 A86-11750 Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651 Cockpit speech interference considerations p 229 A86-29895  NOISE POLLUTION A study of the psychophysical measurement on	AFRRI (Armed Forces Radiobiology Research Institute) [AD-A165810] p 379 N86-28614  NUCLEAR POWER PLANTS Radioprotection update [BLL-CE-TRANS-8223-9022-09] p 187 N86-21146 Human engineering guidelines for the evaluation and assessment of video display units
Operational experiences with night vision goggles in helicopter low-level flight at night p 293 N86-26805 Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior lighting p 294 N86-26807 Aeromedical lessons learned with night vision devices p 283 N86-26810 Effects of broad-banded eye protection on dark	of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)  p 10 A86-11750  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Cockpit speech interference considerations p 229 A86-29895  NOISE POLLUTION  A study of the psychophysical measurement on fluctuating sound by a stochastic approximation method	AFRRI (Armed Forces Radiobiology Research Institute) [AD-A165810] p 379 N86-28614  NUCLEAR POWER PLANTS Radioprotection update [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146 Human engineering guidelines for the evaluation and assessment of video display units [Ti85-016435] p 187 N86-21149  NUCLEAR RADIATION Radioprotection update
Operational experiences with night vision goggles in helicopter low-level flight at night p 293 N86-26805 Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior lighting p 294 N86-26807 Aeromedical lessons learned with night vision devices p 283 N86-26810 Effects of broad-banded eye protection on dark adaptation p 284 N86-26817	of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)  p 10 A86-11750  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Cockpit speech interference considerations  p 229 A86-29895  NOISE POLLUTION  A study of the psychophysical measurement on fluctuating sound by a stochastic approximation method p 41 A86-14575	AFRRI (Armed Forces Radiobiology Research Institute) [AD-A165810] p 379 N86-28614  NUCLEAR POWER PLANTS Radioprotection update [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146 Human engineering guidelines for the evaluation and assessment of video display units [Ti85-016435] p 187 N86-21149  NUCLEAR RADIATION Radioprotection update [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146
Operational experiences with night vision goggles in helicopter low-level flight at night p 293 N86-26805 Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior lighting p 294 N86-26807 Aeromedical lessons learned with night vision devices p 283 N86-26810 Effects of broad-banded eye protection on dark	of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)  p 10 A86-11750  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Cockpit speech interference considerations p 229 A86-29895  NOISE POLLUTION  A study of the psychophysical measurement on fluctuating sound by a stochastic approximation method p 41 A86-14575  Analysis of the potential association between	AFRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] p 379 N86-28614  NUCLEAR POWER PLANTS  Radioprotection update  [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146  Human engineering guidelines for assessment of video display units  [Ti85-016435] p 187 N86-21149  NUCLEAR RADIATION  Radioprotection update  [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146  NUCLEATION
Operational experiences with night vision goggles in helicopter low-level flight at night p 293 N86-26805 Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior lighting p 294 N86-26807 Aeromedical lessons learned with night vision devices p 283 N86-26810 Effects of broad-banded eye protection on dark adaptation p 284 N86-26817 Night vision compatible illumination for vehicle crewmember workspace [AD-D012339]	of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)  p 10 A86-11750  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Cockpit speech interference considerations  p 229 A86-29895  NOISE POLLUTION  A study of the psychophysical measurement on fluctuating sound by a stochastic approximation method p 41 A86-14575	AFRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] p 379 N86-28614  NUCLEAR POWER PLANTS  Radioprotection update  [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146  Human engineering guidelines for assessment of video display units  [Ti85-016435] p 187 N86-21149  NUCLEAR RADIATION  Radioprotection update  [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146  NUCLEATION  On the use of a bubble formation model to calculate
Operational experiences with night vision goggles in helicopter low-level flight at night p 293 N86-26805 Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior lighting p 294 N86-26807 Aeromedical lessons learned with night vision devices p 283 N86-26810 Effects of broad-banded eye protection on dark adaptation p 284 N86-26817 Night vision compatible crewmember workspace [AD-D012339] p 443 N86-33018	of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)  p 10 A86-11750  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Cockpit speech interference considerations p 229 A86-29895  NOISE POLLUTION  A study of the psychophysical measurement on fluctuating sound by a stochastic approximation method p 41 A86-14575  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in	AFRRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] p 379 N86-28614  NUCLEAR POWER PLANTS Radioprotection update  [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146 Human engineering guidelines for the evaluation and assessment of video display units  [Ti85-016435] p 187 N86-21149  NUCLEAR RADIATION Radioprotection update  [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146  NUCLEATION On the use of a bubble formation model to calculate diving tables p 114 A86-25658
Operational experiences with night vision goggles in helicopter low-level flight at night p 293 N86-26805 Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior lighting p 294 N86-26807 Aeromedical lessons learned with night vision devices p 283 N86-26810 Effects of broad-banded eye protection on dark adaptation p 284 N86-26817 Night vision compatible illumination for vehicle crewmember workspace [AD-D012339]	of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)  p 10 A86-11750  Noise levels in cockpits of aircraft during normal cruise and considerations of auditory risk p 145 A86-25651  Cockpit speech interference considerations  p 229 A86-29895  NOISE POLLUTION  A study of the psychophysical measurement on fluctuating sound by a stochastic approximation method p 41 A86-14575  Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in USAF aircrew members  p 250 A86-33760	AFRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] p 379 N86-28614  NUCLEAR POWER PLANTS  Radioprotection update  [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146  Human engineering guidelines for assessment of video display units  [Ti85-016435] p 187 N86-21149  NUCLEAR RADIATION  Radioprotection update  [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146  NUCLEATION  On the use of a bubble formation model to calculate

Performance overnight in shiftworkers operating a ay-night schedule p 179 A86-29095

day-night schedule

p 277 N86-26796

Molecular microenvironments: Solvent interactions with **OCEANS** nucleic acid bases and ions p 302 N86-26872 The role of the oceans in the atmospheric cycle of A comparative study of prebiotic and present day carbonyl sulfide p 303 N86-26877 translational models NUCLEOTIDES cyanide and formaldehyde Sequence of the 16S rRNA **OCULOMETERS** thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 application Template-directed oligonucleotide ligation INASA-TP-25251 hydroxylapatite p 393 A86-45960 OCULOMOTOR NERVES Sequence polymorphism of HLA-DR beta 1 alleles relating to T cell-recognized determinants [AD-A160237] p 107 N86-18956 pigeon Synthesis and analysis in studies of chemical p 300 N86-26864 evolution Further work on sodium montmorillonite as catalyst for vestibulo-oculomotor interaction the polymerization of activated amino acids p 301 N86-26868 Adsorption and condensation of amino acids and members ODORS nucleotides with soluble mineral salts p 301 N86-26869 Cooperation of catalysts and templates environment p 301 N86-26871 OLFACTORY PERCEPTION Intramolecular interactions in aminoacyl nucleotides: Implications regarding the origin of genetic coding and p 302 N86-26873 protein synthesis [EL-863] Molecular replication p 302 N86-26874 ON-LINE PROGRAMMING Protobiological informatoin, bidirectional recognition and reverse translation p 303 N86-26878 [AD-A157584] Enzyme cofactor modified electrodes ONTOGENY p 375 N86-28607 [AD-A1656041 NUMERICAL ANALYSIS of Cosmos 1514 Calculation method for determining energy expenditures for operators p 90 A86-22567 mechanisms in physiology Nonlinear and pathophysiology Toward a dynamical theory of health and p 422 A86-49636 **OPERATIONAL HAZARDS** NUTRITION Effect of 24,25-dihydroxycholecalciferol on amino acid [DE85-014308] etabolism of hypokinetic rats p 55 N86-14869 OPERATIONS RESEARCH NUTRITIONAL REQUIREMENTS A maternal defect is responsible for growth failure in vitamin D-deficient rat pups p 52 A86-18398 Vitamin D-deficient rats produce reduced quantities of p 52 A86-18399 [SAE PAPER 851803] a nutritionally adequate milk 1,25-dihydroxyvitamin D3 normalizes maternal food consumption and pup growth in rats p 52 A86-18400 [AD-A159384] Regulation of hematopoiesis in rats exposed to OPERATOR PERFORMANCE antiorthostatic hypokinetic/hypodynamia. II - Mechanisms of the 'anemia' p 80 A86-20404 Potential for utilization of algal biomass for components solving in a process control task of the diet in CELSS p 140 A86-23567 [SAE PAPER 8513881 and Network Troubleshooting Are there conditions in which adrenalectomy impedes the atrophying effects of denervation? p 194 A86-30397 The effect of high temperature on the heat exchange and the nutritional status of pilots p 397 A86-45325 Hygenic aspects of regular diet of flight personnel -- Russian book p 60 N86-14849 Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p 385 N86-29509 **NYSTAGMUS** Nystagmus as related to utricular function p 61 N86-14862 An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition system [AD-A1640991 for operators p 257 N86-25981 0 processes in navy personnel OBSERVATION An investigation into peer and supervisor differences in the observation of performance-related behaviors p 135 N86-19898 **OCCURRENCES** Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033

Potential controller error modes in Automated En Route versus experienced workload Energy yields in the prebiotic synthesis of hydrogen ATC (AERA) p 300 N86-26863 Predicted performance on a supervisory control task p 227 A86-29879 Analytical techniques of pilot scanning behavior and their The methodology and techniques used in analyses of operator activity --- Russian book p 234 A86-32523 A workload analysis for strategic conventional standoff p 292 N86-27920 capability missions p 268 A86-33803 Neck and oculomotor reflexes induced by electrical stimulation of the semicircular canal ampullae in the The psychophysics of workload - A second look at the between subjective measures p 26 A86-14595 p 260 A86-33804 nerformence The effects of real and simulated microgravity on Applicability of using the CAR-II model in design and p 193 A86-30390 evaluation of multioperator workstations with shared Computer analysis of visual and vestibular oculomotor p 268 A86-33805 controls function in the medical selection of fighter aircrew A comparison of operator performance in manual and p 400 N86-30319 automated versions of a dynamic decision-making task p 262 A86-33825 Functional state of the olfactory analyzer in a pressurized Voice and manual control in dual task situations p 66 N86-15890 p 262 A86-33826 Eye and head response to an attention cue in a dual Studies on accurate measurements and analyses of p 262 A86-33827 human olfactory evoked potentials Characterization of good teleoperators - What aptitudes, p 288 N86-27907 interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Workload assessment - Progress during the last Force and timing components of the motor program p 17 N86-11843 [SAE PAPER 851877] p 270 A86-35440 Control errors: Psychological causes - An automated method of analysis --- Russian book Early postnatal development of rats gestated during flight p 195 A86-30402 Ontogeny of homeothermy in the immature rat Metabolic and thermal responses p 246 A86-36221 p 270 A86-35460 Heart and respiration rates during a mental task p 246 A86-36221 Some remarks on gravitational biology performed with varying degrees of success p 387 N86-29517 p 254 A86-36526 An informational assessment of changes in the Future directions in mobile teleoperation physiological characteristics of an operator under different p 46 N86-12976 work regimens p 271 A86-36527 The mechanisms of muscle activity regulation in humans p 254 A86-36528 Space Station human productivity study depending on biorhythm type p 269 A86-34980 Evaluating the functional status of operators using indices of mental work capacity p 254 A86-36531

Dynamics of the ultraslow bioelectric brain activity during Space Station crew workload - Station operations and customer accommodations p 270 A86-35435 the performance of certain parts of operational activity Operations research techniques for human factors p 255 A86-36534 Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators p 99 N86-16904 working in sealed chambers p 271 A86-36536 Detection of system failure by human operator. I - The The effects of type of knowledge upon human problem p 403 A86-43535 case of monitor p 74 A86-17771 PLANT - An experimental task for the study of human Review on secondary task technique for workload problem solving in process control --- Production Levels assessment Some consideration of secondary task p 70 A86-17774 paradigms and an assessment model Actions not as planned' in military air-traffic control p 403 A86-43539 p 70 A86-18546 Experimental estimate of the parameters of a stochastic Systems of efficient man-computer interaction model of a human operator sensor system p 74 A86-18730 p 407 A86-45117 Muscle vibrations and man-machine system dynamics The use of cardiac-rhythm statistical characteristics in p 74 A86-18731 evaluating mental work capacity p 420 A86-49265 The diaphoretic reflex in a complex of methods for A quick method for evaluating operators' estimating operator efficiency p 88 A86-21453 Individual and typological functional properties of the capacity p 420 A86-49268 EEG correlates in the process of forming driving skills sympathoadrenal system as a prognostic index of the p 421 A86-49273 functional state of an organism in complex environmental The effect of centedrin on the work capacity of p 88 A86-22532 p 426 A86-49371 The risk of arterial hypertension and the features of Aiding the operator during novel fault diagnosis functional brain asymmetry in workers employed in p 426 A86-49633 regularly repeated expedition-type work Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p 88 A86-22534 echanisms of adaptation of man p 13 N86-10750 Influence of complexity of control task on level of Calculation method for determining energy expenditures p 90 A86-22567 activation of operators physiological functions when Hernatological criteria of the heat adaptation of p 221 N86-23260 working with waiting Foveal flashes and human performance p 90 A86-22569 Methods of regulating the adaptation and resistance p 284 N86-26822 Driving performance the day after use of loprazolam, p 110 A86-23495 A technology forecasting and assessment method for flunitrazepem and placebo p 290 N86-26826 evaluating system utility and operator workload [VK-83-041 The effects of the antidepressants oxaprotiline, p 142 A86-23704 Use of a signal detection paradigm to assess subjective mianserin, amitryptiline and doxepin upon actual driving intersection points in a target location task performance p 129 A86-23720 (VK-83-051 p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon Message-based screen interfaces - The effects of presentation rates and task complexity on operator performance p 143 A86-23734 actual driving performance [VK-83-02] Human operator control of a bilateral teleoperator Sweating reflex in complex of methods for evaluating part-simulation of zero gravity operator efficiency p 285 N86-27872 p 143 A86-23736 A digital image processing facility for human factors Effect of intensive operator work on lipid peroxidation research p 143 A86-23737 processes in man p 286 N86-27882 Operator loading effects in a simulated tactical Control loops with human operators in space operations. decision-making problem
The dissociation between p 130 A86-23739 Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop subjective [NLR-TR-84116-L-PT-3] performance-based measures of operator workload p 435 N86-32108 p 178 A86-28450 Operator alertness/workload assessment using Transdermal scopolamine - Human performance and stochastic model-based analysis of myoelectric signals side effects p 163 A86-29094 [AD-A168567] p 428 N86-32973

**OCEAN CURRENTS** 

Nino event

organisms?

**OCEAN SURFACE** 

carbonyl sulfide

**OCEAN TEMPERATURE** 

Microplankton species assemblages at the Scripps Pier

The role of the oceans in the atmospheric cycle of

Are interpretations of ancient marine temperatures

constrained by the presence of ancient marine

p 207 A86-31833

p 277 N86-26796

p 276 A86-39470

from March to November 1983 during the 1982-1984 El

Operator alertness/workload assessment using	Investigating the ocular fixation of targets as an	ORGANIC MATERIALS
stochastic model-based analysis of myoelectric signals	anthropotechnical research method in man-machine	Design and production of damage-resistant tray pack
[AD-A168568] p 429 N86-32974	systems p 433 A86-47772	containers
Levels of Information Processing in a Fitts law task	The effect of centedrin on the work capacity of	[AD-A164595] p 294 N86-26837
(LIPFitts) p 436 N86-32980	operators p 426 A86-49371	Isotopic characterisation of prebiotic synthesis of organic
Memory and subjective workload assessment p 437 N86-32983	OPTIMAL CONTROL	material p 300 N86-26865
Investigation of crew performance in a multi-vehicle	Control theoretic analysis of human operator mediated rendezvous and docking	Origin of life and iron-rich clays p 300 N86-26866
supervisory control task p 440 N86-33001	[NLR-MP-85020-U] p 435 N86-32106	ORGANIC PEROXIDES
Force/torque display for space teleoperation control	Optimal cooperative control synthesis of active	Effect of intensive visible light on activity of glutathione
experiments and evaluation p 440 N86-33002	displays p 441 N86-33006	peroxidase in pigmented epithelium of eye
Model analysis of remotely controlled rendezvous and	OPTIMIZATION	p 210 N86-23226
docking with display prediction p 441 N86-33003	Evaluation of man-machine systems - Introduction and	ORGANIC PHOSPHORUS COMPOUNDS
Some computational techniques for estimating human	overview p 432 A86-47767	Theoretical prerequisites for the possible use of bacteria
operator describing functions p 441 N86-33007	OPTOMETRY	which split organophosphates in order to increase the yield
Comparison of the STI NIPIP tracking dynamics	Visual-contrast measurement - Measurement of the	of nutrient yeast and its nitrogen and phosphorous
identification with the on-line Fourier analyzer DFA results	spatial transfer functions of the visual system Russian	content
including a time varying case p 442 N86-33010	book p 27 A86-15467	[AD-A161811] p 159 N86-22083
Control loops with human operators in space operations.	Criteria for a state-of-the-art vision test system	Phosphorobacterin and its effectiveness
Part 2: Robotics operations and manual control	[AD-A157099] p 45 N86-12973	[AD-A164508] p 248 N86-25973
experiment [NLR-TR-84116-L-PT-2] p 444 N86-33024	ORAL HYGIENE	Acute toxicity studies on 2 Air Force hydraulic fluids
OPERATORS (MATHEMATICS)	Hygienic aspects of water supply for chamber sanitary facilities, changes of divers' bacterial mouth flora and	(MLO 82-233 and MLO 82-585) [AD-A163174] p 258 N86-25984
Multi-component characterization of the human	effectiveness of ear prophylaxis in saturation dives	[AD-A163174] p 258 N86-25984  ORGANIC SILICON COMPOUNDS
operator's control output p 241 A86-33186	p 124 N86-19874	Antistress effect of 1-chlormethylsilitrane
OPERATORS (PERSONNEL)	ORBIT TRANSFER VEHICLES	
Incorporating human operator considerations into	The system integration and verification testing of an	p 105 A86-24309 ORGANIC SOLIDS
existing weapon system analysis and quantification	orbital maneuvering vehicle for an air bearing floor	Development status of regenerable solid amine CO2
capabilities p 184 A86-28438	[NASA-CR-178350] p 242 N86-24217	control systems
A discrete control model of operator function - A	ORBITAL ASSEMBLY	[SAE PAPER 851340] p 138 A86-23527
methodology for information display design	Robotics and the space station p 98 A86-20507	ORGANISMS
p 384 A86-41381	Telerobotics for the Space Station	Prospects for using millimeter-band electromagnetic
Operator environment in the nineties	p 182 A86-26493	radiation as an efficient way of obtaining information on
[FOA-A-50002-H2] p 99 N86-16905	Design techniques for robots - Space applications	specific processes in living organisms
Evaluation of materials for thermal protection	p 183 A86-28074	p 246 A86-35088
[AD-P004901] p 187 N86-20638	Control loops with human operators in space operations.	Comparative effect of lunar fines and terrestriral ash
The effect of acceleration stress on human workload	Part 2: Robotics operations and manual control	on the growth of a blue-green alga and germinating radish
[AD-A156770] p 180 N86-21140 Stochastic models of man-machine system	experiment [NLR-TR-84116-L-PT-2] p 444 N86-33024	seeds p 30 N86-14097
	[NLH-TH-84116-L-PT-2] p 444 N86-33024  ORBITAL MANEUVERING VEHICLES	ORGANIZATIONS
effectiveness p 242 N86-24216  OPHTHALMOLOGY	Mobile remote manipulator vehicle system	A methodology for the analysis and design of human
Wearing contact lenses in Space Shuttle operations	[NASA-CASE-LAR-13393-1] p 187 N86-21147	information processing organizations
p 60 A86-18845	ORBITAL RENDEZVOUS	[AD-A162083] p 235 N86-24214
Ophthalmological problems linked to helicopter flight	Control loops with human operators in space operations.	Human Factors Review Plan
p 112 A86-24504	Part 3: Rendezvous and docking operations and model	[DE86-010561] p 444 N86-33023 ORGANOMETALLIC COMPOUNDS
A new test of the color vision of professionals	analysis of performance with human-in-the-loop	Biocidal synthetic coatings based on high-molecular
p 112 A86-24505	[NLR-TR-84116-L-PT-3] p 435 N86-32108	metaloorganic compounds p 55 N86-14870
Characterization of YAG lasers for ophthalmologic	ORBITAL SERVICING	ORGANS
applications	Robotics and the space station p 98 A86-20507	Diseases in CEMA countries p 211 N86-23252
[SNIAS-852-430-107] p 93 N86-16894	Advanced EVA operation on-orbit tasks and services	ORTHOPEDICS
Night vision manual for the flight surgeon	[AIAA PAPER 86-1175] p 384 A86-40585	A review of the pilot backache problem in the CH113
[AD-A159720] p 114 N86-18961	Advanced space suit development for future on-orbit	Labrador helicopter
Particular problems of airworthiness from an	operations	[AD-A164011] p 256 N86-25113
ophthalmological view p 283 N86-26812 Sensitivity to color contrasts and the selection of	[AIAA PAPER 86-2310] p 407 A86-46941	ORTHOSTATIC TOLERANCE
navigator personnel p 400 N86-30318	Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147	Cardiovascular deconditioning during space flight and
OPTICAL ACTIVITY	[NASA-CASE-LAR-13393-1] p 187 N86-21147 ORBITAL SPACE STATIONS	the use of saline as a countermeasure to orthostatic
Spin-dependent electron scattering from optically active	Ensuring Space Station human productivity	intolerance p 8 A86-10257
molecules p 76 A86-16425	[IAF PAPER 85-500] p 45 A86-15944	Blood pressure and plasma renin activity as predictors
Limits on asymmetric orthopositronium formation in high	Human roles in future space systems	of orthostatic intolerance p 32 A86-14312
Z optically active molecules p 189 A86-28724	[AAS PAPER 84-117] p 73 A86-17320	Blood circulation changes in the carotid arteries pool caused by antiorthostasis and antiorthostatic
Investigation on the chirality of electrons from Sr-90-Y-90	Membrane-based water- and energy-recovery systems	hypokinesia p 27 A86-15513
beta-decay and their asymmetrical interactions with D- and	for the manned space station	Typological analysis of central and peripheral
L-alanines p 243 A86-33390	[SAE PAPER 851345] p 139 A86-23531	hemodynamics during orthostasis in normal subjects and
Search for chiral molecules and optical activity in	Evolutionary paths for artificial intelligence technologies	in patients with arterial hypertonia p 33 A86-15515
extraterrestrial systems. The Cassini mission opportunity	in operator interactions with space station robots	Spacelab life sciences flight experiments - An integrated
P 387 N86-28871	p 269 A86-34971	approach to the study of cardiovascular deconditioning
OPTICAL EQUIPMENT	Advanced EVA operation on-orbit tasks and services	and orthostatic hypotension
Variable contrast direct read-out vision tester [AD-D012273] p 423 N86-32955	[AIAA PAPER 86-1175] p 384 A86-40585 Zero-G simulation verifies EVA servicing of space station	[IAF PAPER 85-316] p 36 A86-15826
[AU-D0122/3] p 423 N86-32955  OPTICAL FILTERS	modules	Plasma norepinephrine, blood pressure and heart rate
The effect of spectrally selective filters on visual search	[AIAA PAPER 86-2312] p 407 A86-46942	response to graded change in body position
performance	Behavioral considerations for space station design	p 59 A86-18835
[AD-A165835] p 404 N86-30329	[AD-A163478] p 265 N86-25118	Hemodynamic responses to upright tilt at sea level and
OPTICAL ILLUSION	Exobiology experiment concepts for space station	high altitude [AD-A163555] p.59 As6-18836
Mechanisms of human motion perception revealed by	p 310 N86-27152	[AD-A163555] p 59 A86-18836 Regulation of hematopoiesis in rats exposed to
a new cyclopean illusion p 235 A86-33103	ORGANIC CHEMISTRY	antiorthostatic hypokinetic/hypodynamia. II - Mechanisms
OPTICAL MEASUREMENT	Recent observations of organic molecules in nearby	of the 'anemia' p 80 A86-20404
Infrared optical measurement of blood gas	cold, dark interstellar clouds p 296 A86-38139	Orthostatic tolerance of normal Indians and those with
concentrations and fiber optic catheter	The organic aerosols of Titan p 298 N86-26852	suspected abnormal cardiovascular reflex status
[AD-D011836] p 37 N86-12955 <b>OPTICAL POLARIZATION</b>	ORGANIC COMPOUNDS	p 114 A86-25661
		Circodian variation of values and acceptant
Fluorescent-polarization properties of chromophores of	Dicyclohexylcarbodiimide-sensitive ATPase in	Circadian variation of volume and concentration of
	Halobacterium saccharovorum p 49 A86-16902	orthostatically shifted fluid p 215 A86-30445
water-soluble proteins of normal and cataractal human lens n 118 N86-19832	Halobacterium saccharovorum p 49 A86-16902 The calcium dependence of auxin action in roots	orthostatically shifted fluid p 215 A86-30445 Systolic time intervals in pilots and non-pilots during 70
lens p 118 N86-19832  OPTICAL PROPERTIES	Halobacterium saccharovorum p 49 A86-16902 The calcium dependence of auxin action in roots p 197 A86-30421	orthostatically shifted fluid p 215 A86-30445 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt p 250 A86-33757
OPTICAL PROPERTIES p 118 N86-19832	Halobacterium saccharovorum p 49 A86-16902 The calcium dependence of auxin action in roots p 197 A86-30421 Infrared spectral identification of complex organic	orthostatically shifted fluid p 215 A86-30445 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt p 250 A86-33757 Hemodynamic response to LBNP following 2 hours HDT
lens p 118 N86-19832	Halobacterium saccharovorum p 49 A86-16902 The calcium dependence of auxin action in roots p 197 A86-30421	orthostatically shifted fluid p 215 A86-30445 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt Hemodynamic response to LBNP following 2 hours HDT (-6 deg) lower body negative pressure with head-down
OPTICAL PROPERTIES Optical and event-duration self-motion perception [AD-A161836]  p 118 N86-19832 variables affecting p 223 N86-24194	Halobacterium saccharovorum p 49 A86-16902 The calcium dependence of auxin action in roots p 197 A86-30421 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Universal protein ancestors from hydrogen cyanide and water — extraterrestrial origins p 296 A86-38141	orthostatically shifted fluid p 215 A86-30445 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt p 250 A86-33757 Hemodynamic response to LBNP following 2 hours HDT (-6 deg) lower body negative pressure with head-down tilt p 252 A86-36309
lens p 118 N86-19832  OPTICAL PROPERTIES Optical and event-duration self-motion perception [AD-A161836] p 223 N86-24194  OPTICAL TRACKING	Halobacterium saccharovorum p 49 A86-16902 The calcium dependence of auxin action in roots p 197 A86-30421 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Universal protein ancestors from hydrogen cyanide and	orthostatically shifted fluid p 215 A86-30445 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt p 250 A86-33757 Hemodynamic response to LBNP following 2 hours HDT (-6 deg) lower body negative pressure with head-down p 252 A86-36309 Cardiovascular dynamics associated with tolerance to
lens p 118 N86-19832  OPTICAL PROPERTIES Optical and event-duration self-motion perception [AD-A161836] p 223 N86-24194  OPTICAL TRACKING Adapted head- and eye-movement responses to	Halobacterium saccharovorum p 49 A86-16902 The calcium dependence of auxin action in roots p 197 A86-30421 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Universal protein ancestors from hydrogen cyanide and water — extraterrestrial origins p 296 A86-38141 Protein-protein interactions in systems with synthetic polyelectrolytes p 210 N86-23225	orthostatically shifted fluid p 215 A86-30445 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt p 250 A86-33757 Hemodynamic response to LBNP following 2 hours HDT (-6 deg) lower body negative pressure with head-down tilt p 252 A86-36309 Cardiovascular dynamics associated with tolerance to lower body negative pressure p 253 A86-36310
OPTICAL PROPERTIES Optical and event-duration self-motion perception [AD-A161836] OPTICAL TRACKING Adapted head and eye-movement responses to added-head inertia  p 118 N86-19832 variables affecting p 223 N86-24194 OPTICAL TRACKING Adapted head and eye-movement responses to added-head inertia	Halobacterium saccharovorum p 49 A86-16902 The calcium dependence of auxin action in roots p 197 A86-30421 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Universal protein ancestors from hydrogen cyanide and water — extraterrestrial origins p 296 A86-38141 Protein-protein interactions in systems with synthetic polyelectrolytes Fiberoptics immunofluorescence spectroscopy for	orthostatically shifted fluid p 215 A86-30445 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt p 250 A86-33757 Hemodynamic response to LBNP following 2 hours HDT (-6 deg) lower body negative pressure with head-down p 252 A86-36309 Cardiovascular dynamics associated with tolerance to
OPTICAL PROPERTIES Optical and event-duration self-motion perception [AD-A161836] OPTICAL TRACKING Adapted head- and eye-movement responses to added-head inertia Visual-search efficiency — Russian book	Halobacterium saccharovorum p 49 A86-16902 The calcium dependence of auxin action in roots p 197 A86-30421 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Universal protein ancestors from hydrogen cyanide and water — extraterrestrial origins p 296 A86-38141 Protein-protein interactions in systems with synthetic polyelectrolytes p 210 N86-23225 Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring	orthostatically shifted fluid p 215 A86-30445 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt p 250 A86-33757 Hemodynamic response to LBNP following 2 hours HDT (-6 deg) lower body negative pressure with head-down tilt p 252 A86-36309 Cardiovascular dynamics associated with tolerance to lower body negative pressure p 253 A86-36310 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311
lens p 118 N86-19832  OPTICAL PROPERTIES Optical and event-duration self-motion perception [AD-A161836] p 223 N86-24194  OPTICAL TRACKING Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758  Visual-search efficiency Russian book p 271 A86-36695	Halobacterium saccharovorum p 49 A86-16902 The calcium dependence of auxin action in roots p 197 A86-30421 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Universal protein ancestors from hydrogen cyanide and water — extraterestrial origins p 296 A86-38141 Protein-protein interactions in systems with synthetic polyelectrolytes p 210 N86-23225 Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring [DE86-002239] p 225 N86-24209	orthostatically shifted fluid p 215 A86-30445 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt p 250 A86-33757 Hemodynamic response to LBNP following 2 hours HDT (-6 deg) lower body negative pressure with head-down tilt p 252 A86-36309 Cardiovascular dynamics associated with tolerance to lower body negative pressure p 253 A86-36310 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt
lens OPTICAL PROPERTIES Optical and event-duration self-motion perception [AD-A161836] p 223 N86-24194 OPTICAL TRACKING Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 Visual-search efficiency Russian book p 271 A86-36695 Displacement thresholds in central and peripheral vision	Halobacterium saccharovorum p 49 A86-16902 The calcium dependence of auxin action in roots	orthostatically shifted fluid p 215 A86-30445 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt p 250 A86-33757 Hemodynamic response to LBNP following 2 hours HDT (-6 deg) lower body negative pressure with head-down tilt p 252 A86-36309 Cardiovascular dynamics associated with tolerance to lower body negative pressure p 253 A86-36310 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311
lens p 118 N86-19832  OPTICAL PROPERTIES Optical and event-duration self-motion perception [AD-A161836] p 223 N86-24194  OPTICAL TRACKING Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758  Visual-search efficiency Russian book p 271 A86-36695	Halobacterium saccharovorum p 49 A86-16902 The calcium dependence of auxin action in roots p 197 A86-30421 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Universal protein ancestors from hydrogen cyanide and water — extraterestrial origins p 296 A86-38141 Protein-protein interactions in systems with synthetic polyelectrolytes p 210 N86-23225 Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring [DE86-002239] p 225 N86-24209	orthostatically shifted fluid p 215 A86-30445 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt p 250 A86-33757 Hemodynamic response to LBNP following 2 hours HDT (-6 deg) lower body negative pressure with head-down tilt p 252 A86-36309 Cardiovascular dynamics associated with tolerance to lower body negative pressure p 253 A86-36310 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt  p 253 A86-36311 Effect of hydration on some orthostatic and

Fluid and protein shifts after postural changes in p 421 A86-49523 Study of hypokinesia and acceleration effects on human p 12 N86-10740 chromosomes Vestibular resistance and blood circulation changes in orthostatic position during hyperthermia p 14 N86-10758 Investigation of some aspects of human amino acid metabolism during 120-day antiorthostatic hypokinesia p 65 N86-15873 Distinctions in reactions to active orthostatic and water-loading tests of subjects differing in tolerance to positive Gz accelerations p 173 N86-21118 Some human reactions during 7-day antiorthostatic p 286 N86-27885 OSCILL ATIONS Predictors of periodic breathing at altitude p 424 N86-32957 [AD-A167947] OSMOSIS Application of photosynthetic N2-fixing cyanobacteria to the CELSS program p 151 N86-19929 Evolutionary significance ٥f osmoregulatory p 307 N86-26898 mechanisms in cyanobacteria Investigations of Paramecium cells analyzed under p 387 N86-29518 microgravity conditions OSTEOPOROSIS Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae p 193 A86-30395 Osteocalcin as an indicator of bone metabolism during p 205 A86-30474 Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide p 374 A86-43448 Role of carbonic anhydrase in bone - Plasma acetazolamide concentrations associated with inhibition p 375 A86-43454 Effect of diphosphonates on bones of hypokinetic rats p 279 N86-27890 **OTOLITH ORGANS** Interaction between the atolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Morphogenesis and calcification of the statoconia in the chick (Gallus domesticus) embryo - Implications for future p 195 A86-30405 Otoconial morphology in space-flown rats p 204 A86-30470 Development of otoconia in the embryonic chick (Gallus p 414 A86-49871 Long-term adaptation of the otolith organs p 389 N86-29526 Morphology and development of the inner ear of p 389 N86-29529 OTOLOGY Recurrent serious otitis in a reconnaissance pilot - The consequences for his career p 112 A86-24506 OXALIC ACID Origin of life and iron-rich clays p 300 N86-26866 OXIDATION Wet oxidation of a spacecraft model waste [SAE PAPER 851372] p 140 A86-23555 Wet-oxidation waste management system for CELSS [SAE PAPER 851398] p 141 A86-23575 Postradiation disorders of peripheral-nerve regeneration and the role of free-radical oxidation products in the appearance of these disorders p 105 A86-24422 Implementing supercritical water oxidation technology in a lunar base environmental control/life support system p 240 A86-30167 Effect of elevated FFA on carbohydrate and lipid oxidation during prolonged exercise in humans p 215 A86-30679 Kinetics of biological ferrous iron oxidation [DE85-014616] p 4 N86-10736 Intensity of lipid peroxidation in hypokinetic rat tissues p 56 N86-15876 Supercritical waste oxidation of aqueous wastes p 150 N86-19922 Evolution of thiol protective systems in prokaryotes p 307 N86-26896 Effect of intensive operator work on lipid peroxidation p 286 N86-27882 processes in man **OXIDATION-REDUCTION REACTIONS** Dynamics of peroxide oxidation of lipids during stress p 83 N86-16883 Proceedings: Protons and Membrane Reactions held at Santa Barbara, California on 28 January - 1 February 1985 [AD-A1613311 p 159 N86-22082 evolution of the Paleosols and the chemical p 301 N86-26870 Thioredoxins in evolutionarily primitive organisms

OXIDES some

[AD-A163144] OXIDIZERS Mesophilic Pacific Rise bacteria OXYGEN mixturee goggles [AD-A1569691 blockade

INASA-TM-871491 the atmosphere animal hypobaric chamber [AD-A1667291 OXYGEN BREATHING case of oxygen breathing under excess pressure operational diving Alternatives to standard air tables gas in deep-sea diving [AD-A165974] IDE86-0096321 OXYGEN CONSUMPTION polycythemia to oxygen consumption and heart rate age, gender, and aerobic capacity having high and low resistance to hypoxia and utilization of oxygen through the hematoparenchymatous barrier

Oxygen consumption during cold exposure at 2.1 G in

Plasma lactate and ventilation thresholds in trained and

p 199 A86-30432

p 215 A86-30678

rats adapted to hypergravic fields

untrained cyclists

Blood transport of oxygen (The role of erythrocytes) Comparative biochemistry and metabolism, Part 2: p 208 A86-33073 Naphthalene lung toxicity Effect of simulated weightlessness on exercise-induced n 257 N86-25983 erobic threshold p 250 A86-33756 Influence of inspired oxygen concentration on manganese-oxidizing acceleration atelectasis bacteria from [AD-A168540] hydrothermal discharge areas at 21 deg North on the East p 253 A86-36313 Seasonal dynamics of circadian rhythms of oxygen p 51 A86-18032 Autotrophic and mixotrophic growth and metabolism of consumption and heat production in youths in Siberian moderately thermoacidophilic iron-oxidizing conditions p 51 A86-18033 An anaerobic shift in energy metabolism in the mouse brain during recovery from acute radiation sickness Estimating the small airways resistance from p 276 A86-39720 measurements of the upstream resistance of several gas Reaction of rabbit respiration system to hypoxic stimulus p 162 A86-28448 in nitrogen-oxygen medium at elevated pressure Mild hypoxia and visual performance with night vision p 5 N86-10760 Individual differences in maximum oxygen uptake p 23 N86-10787 p 62 N86-14863 regulation and level Structure and function of isozymes: Evolutionary Oxygenation and regional circulation in gingival mucosal spects and role of oxygen in eucaryotic organisms under effect of head-to-pelvis p 6 N86-11831 p 65 N86-15872 [NASA-CR-176286] accelerations Resting metabolic rate in men following prolonged padmill exercise p 121 N86-19853 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment treadmill exercise p 46 N86-13899 Heat acclimatization developed during summer running Transport of arterial blood gates through human skin in northeastern United States p 91 N86-16887 [AD-A162728] p 177 N86-22102 Oxygen and the evolution of metabolic pathways Aerobic capacity and coronary risk factors in a middle-aged army population AD-A163998 HC A02/MF p 307 N86-26895 Intensity of photosynthesis in closteriopsis acicular var. A01 africana Hind as a function of oxygen concentration in [AD-A163998] n 257 N86-25979 p 280 N86-27903 Perceptual and physiological responses during exercise An environmentally-controlled extended-use small in cool and cold water A165491] p 283 N86-26800 p 398 N86-30307 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress Investigation of the functional condition of pilots in the p 289 N86-27916 [AD-A165014] Resistance, exchange, and capacitance functions of p 88 A86-22525 skeletal muscle vessels in acute hypoxic hypoxia Lung volumes and dynamic compliance during p 379 OXYGEN MASKS immersion and oxygen breathing p 122 N86-19860 High pressure oxygen (OHP) induced increase of serum prolactin is not due to a dopamine (DA)-receptor [AD-A162473] p 123 N86-19867 Effects of intermittent exposure to hyperoxia in Oxygen-liberating mixtures for breathing apparatus p 123 N86-19868 p 241 Hyberbaric oxygen in the treatment of Bell's palsy p 124 N86-19870 [AD-A168832] p 125 N86-19880 OXYGEN METABOLISM Oxygen-liberating mixtures for breathing apparatus D 241 N86-23264 operational environments Evaluation of the use of hydrogen-oxygen as a breathing p 380 N86-29499 The effect of breathing elevated CO2 gas mixtures on cold-adapted golden hamsters tracking performance, blood pressure, and subjective p 401 N86-31210 erythropoiesis in rats after prolonged nitrogen-oxygen mixture at elevated pressure Gas exchange characteristics of leaves as indicators of the basic limitations to the rate of photosynthesis p 416 N86-32085 Effects of hemodilution on O2 transport in high-altitude **OXYGEN PRODUCTION** p 37 A86-16053 Analyses of maximum cardiopulmonary performance O2 and H2 generation during exposure to acute hypoxia at simulated altitude -Sea level to 5000 meters (760-404 mm Hg) ISAE PAPEŘ 8513391 technology options for Space Station application p 60 A86-18839 [SAF PAPER 851376] Effect of fasting on hypoxia tolerance of mice in relation Oxygen-liberating mixtures for breathing apparatus p 52 A86-18840 OXYGEN SUPPLY EQUIPMENT Bedrest-induced peak VO2 reduction associated with p 87 A86-20402 Molecular sieve oxygen systems and aircraft role Mechanical resistance of erythrocytes and oxygen mass transport in hypoxic states due to different conditions p 88 A86-21452 The distinctive features of the energetic metabolism, [SAE PAPER 851342] glycolysis, and tissue respiration of the myocardium in rats p 80 A86-21455 onboard the B-1B bomber The effect of prolonged physical work at the levels of submaximal and extreme intensity upon the mass transfer p 89 A86-22536 Development of a portable oxygen Resistance, exchange and capacitance functions of skeletal muscle vessels in the presence of acute hypoxic p 81 A86-22593 generating system Effect of hyperoxic gas mixtures on oxygen mass transfer A small oxygen concentrator [AD-A163145] p 103 A86-23492 Modification of the resting oxygen consumption leve of biological body and its tissues, during prolonged hypodynamics exposure p 194 A86-30398 performance

OXYHEMOGLOBIN	PARALLEL PROCESSING (COMPUTERS)	PATHOLOGICAL EFFECTS
Role of hemoglobin P50 in O2 transport during normoxic and hypoxic exercise in the dog p 1 A86-10103	Binocular image flows: Steps toward stereo - motion fusion	USAF toxicology research on petroleum and shale-derived aviation gas turbine fuels
Review of modified hemoglobin solutions for use as	[AD-A158089] p 67 N86-15901	[ASME PAPER 85-GT-34] p 80 A86-22023
temporary blood substitutes [AD-A164210] p 256 N86-25114	PARALYSIS  Hyberbaric oxygen in the treatment of Bell's palsy	Glucocorticoid antagonism by endotoxin: Biological
Factors influencing carboxyhemoglobin stability	p 124 N86-19870	effects during stress and basis for inhibition of phosphoenolpyruvate carboxykinase
[AD-A165032] p 289 N86-27918	PARAMAGNETISM The rhythms of paramagnetic-center concentration in	[AD-A160740] p 116 N86-18969
OZONE  Ambient ozone and human health: An epidemiological	mouse liver and a mathematical model of synchronized	Effects of carbon monoxide on personnel [AD-P004882] p 163 N86-20628
analysis, volume 1	autooscillations p 247 A86-36497 PARAMECIA	Objective investigations and subjective observations of
[PB85-245181] p 93 N86-16896 Assessment of individual human exposures to ozone	Investigations of the effects of gravity on Paramecium	sensitivity to weather p 165 N86-21023
in a health study	caudatum structure and behavior [DFVLR-FB-85-40] p 56 N86-15863	Questions on the evolution of the developmental program of the vertebrate inner ear under long term zero
[PB85-245975] p 94 N86-17984 Executive summary: Ambient ozone and human health:	Investigations of Paramecium cells analyzed under	g conditions p 389 N86-29530
An epidemiological analysis	microgravity conditions p 387 N86-29518 Influence of gravity on structure and behavior of	PATHOLOGY Nonlinear mechanisms in physiology and
[PB86-114089] p 226 N86-24212	Paramecium caudatum	pathophysiology Toward a dynamical theory of health and
Ambient ozone and human health: An epidemological analysis, volume 3	[ESA-TT-963] p 416 N86-32087 PARAMETER IDENTIFICATION	disease p 422 A86-49636 The experimental determination of safe atmospheric
[PB86-114105] p 226 N86-24213	Human pilot parameter identification for a simulated	exposure concentrations of JP-10 jet fuel
Isotopic study of the inhalation toxicology of oxidants [PB86-109485] p 256 N86-25116	air-to-ground target acquisition task p 18 A86-10157 Experimental estimate of the parameters of a stochastic	[AD-A163179] p 258 N86-25985 PATIENTS
Health effects of ambient ozone exposure in vigorously	model of a human operator sensor system	The clinical prediction of dangerousness
exercising adults [PB86-156940] p 258 N86-25989	p 407 A86-45117 Weather as a physical process and parameterization	[AD-A160820] p 135 N86-19899
[1 000-1308-0] p 236 1100-23868	of the effects as a meteorological contribution for	Advanced clinical research in shock and trauma [AD-A162730] p 177 N86-22103
Р	investigating the correlation between weather and man p 166 N86-21026	PATROLS
-	Maximum normalized acceleration as a flying qualities	Body weight changes before and after submarine patrols
PACIFIC OCEAN  The microbial community at Laguna Figueroa, Baia	parameter p 442 N86-33012 PARAMETERIZATION	[AD-A161144] p 127 N86-19893
California Mexico - From miles to microns	The role of impulse parameters in force variability	PATTERN RECOGNITION  The detection and identification of pictorial changes
p 26 A86-14124 Microplankton species assemblages at the Scripps Pier	p 439 N86-32997 PARASITES	between successive presentations p 129 A86-23721
from March to November 1983 during the 1982-1984 El	Farm animals as source of yersiniosis	Sensitivity to phase distortions in central and peripheral vision p 133 A86-26294
Nino event p 207 A86-31833 PACKAGING	p 217 N86-23230 PARASITIC DISEASES	Modeling of perception and decision-making
Design and production of damage-resistant tray pack	Anti-trypanosomal activity of platinum coordination	processes p 183 A86-27094 Diagnosing cognitive errors: Statistical pattern
containers [AD-A164595] p 294 N86-26837	compounds [AD-D011860] p 67 N86-15897	classification and recognition approach
PAIN	Farm animals as source of yersiniosis	[AD-A158108] p 42 N86-12972 Generating and generalizing models of visual objects
Human body impedance and threshold currents for perception and pain for contact hazard analysis in the	p 217 N86-23230 PARTIAL DIFFERENTIAL EQUATIONS	[AD-A158197] p 43 N86-13894
VLF-MF band p 281 A86-39598	Stochastic differential equations for neuronal behavior	Eye movements and spatial pattern vision [AD-A160408] p 115 N86-18963
Low back pain in pilots p 395 A86-44092 A review of the pilot backache problem in the CH113	[AD-A159099] p 69 N86-15908 PARTICLE ACCELERATORS	Examination of retinal pattern threshold levels and their possible effect on computer access control mechanisms
Labrador helicopter	Cytogenetic changes in cells of lettuce seedlings with	[AD-A161213] p 128 N86-19895
[AD-A164011] p 256 N86-25113 PALEOBIOLOGY	exposure to accelerated carbon ion beam p 84 N86-16886	New roles for computation in the life sciences [DE85-017542] p 158 N86-21100
Boundary structures are formed by organic components	PARTICLE MOTION	Method of changes in reversible pattern masking as
of the Murchison carbonaceous chondrite p 76 A86-16417	Transient proton inflows during illumination of anaerobic Halobacterium halobium cells p 374 A86-43436	factor in visual perception p 221 N86-23263 Overview of the NASA SETI Program
Isoleucine stereoisomers on the earth	Proton transfer in bacteriorhodopsin Russian book	p 309 N86-26909
p 154 A86-26198 Some implications of mass extinction for the evolution	p 413 A86-49345 PARTICULATES	Goldstone field test activities: Target search p 309 N86-26911
of complex life p 275 A86-38147	Particulate models of photosynthesis	Information processing in mammalian visual cortex
Are interpretations of ancient marine temperatures constrained by the presence of ancient marine	[DE86-001625] p 160 N86-22090 Analysis of health effects resulting from population	[AD-A165832] p 376 N86-28609 Human problem solving in fault diagnosis tasks
organisms? p 276 A86-39470	exposures to ambient particulate matter. Health and	[AD-A167397] p 434 N86-32104
Boundary conditions for the paleoenvironment: Chemical and Physical Processes in dense interstellar	environmental effects document, 1985 [DE86-002161] p 225 N86-24208	Progression-regression effects in tracking repeated patterns p 439 N86-32996
clouds p 297 N86-26847	PASSENGERS	PATTERN REGISTRATION
Isotopic, petrologic and biogeochemical investigations of banded iron-formations p 305 N86-26885	Airsickness among Indian Airlines passengers p 12 A86-12435	Stimulus structures and mental representations in expert comprehension of computer programs
Recent progress in Precambrian paleobiology	Evaluation of a passenger mask modified with a rebreather bag for protection from smoke and fumes	[AD-A157520] p 42 N86-12969
p 305 N86-26887 PALEONTOLOGY	[AD-A162473] p 188 N86-22116	Perspective projection invariants [AD-A167783] p 428 N86-32968
Use of laboratory simulated pyrolysis in tracing the history of sedimentary organic matter	Effect of oxygen flow on passenger face mask performance	PAYLOAD INTEGRATION PLAN
p 304 N86-26884	[AD-A168832] p 443 N86-33021	First German Spacelab missions, no. 6 [PR-6] p 118 N86-18979
The lunar nodal tide and the distance to the Moon during the Precambrian era p 305 N86-26886	PATENT APPLICATIONS Suture needle holder	PELVIS
the Precambrian era p 305 N86-26886 The fossil record of evolution: Analysis of extinction	[AD-D011764] p 37 N86-12958	Shoulder and hip joints for hard space suits and the like
p 308 N86-26901 PANCREAS	PATENTS Forward field autotransfusion device	[NASA-CASE-ARC-11534-1] p 385 N86-29507
The effect of kallikrein on the development of a general	[AD-D011763] p 37 N86-12957	PENETRATION Suit penetration study: Preliminary analysis of flow about
adaptation syndrome p 49 A86-16751 Functional state of the pancreas under conditions of	PATHOGENESIS  Cerebral thrombosis at altitude - Its pathogenesis and	a circular cylinder
prolonged bed rest p 421 A86-49271	the problems of prevention and treatment	[DE86-005760] p 385 N86-28623 PENINSULAS
Protein-protein interactions in systems with synthetic polyelectrolytes p 210 N86-23225	p 87 A86-20410 Possible effect of hyperlipemia on the development and	The microbial community at Laguna Figueroa, Baja
PANELS	course of atherosclerosis in flight personnel	California Mexico - From miles to microns p 26 A86-14124
Variable contrast direct read-out vision tester [AD-D012273] p 423 N86-32955	p 90 A86-22568 Experimental evaluation of pathogenicity of different	PENTOSE
PANSPERMIA	variants of lassa virus p 211 N86-23254	Metabolic distinctions of human red blood during long-term spaceflights p 60 N86-14850
Panspermia - A modern astrophysical and biological approach p 296 A86-38142	Standardization of conditions for measuring intensity of specific fluorescence in continuous cell cultures infected	PEPTIDES
PARABOLIC FLIGHT	with variants of Japanese encephalitis virus	Opposing hemodynamic effects of substance P on pulmonary vasculature in rabbits p 3 A86-12378
Sudden emesis following parabolic flight maneuvers Implications for space motion sickness	p 211 N86-23255 Reproductive capacity of microflora on polymers used	The effect of auricular electric stimulation on myelopeptide production and early reactions of blood
p 250 A86-33759	in sealed environments p 280 N86-27897	systems cell populations in the presence of immobilization
PARAFFINS Romanian plant produces protein concentrate from	PATHOGENS  Cloning and expression of leptospira pomona hemolysin	stress p 49 A86-16752 Hypnogenic activity of a cyclic structural analog of
paraffin-nourished yeasts p 4 N86-10741	gene in escherichia coli p 211 N86-23249	delta-sleep-inducing peptide p 105 A86-24368

n E NOC 10700	PERIPHERAL CIRCULATION	Effectiveness of an air-cooled vest using selected air
p 5 N86-10762 Peptides and memory p 95 N86-16884	Typological analysis of central and peripheral hemodynamics during orthostasis in normal subjects and	temperature and humidity combinations
Potential for cross-reactive protection using peptides	in patients with arterial hypertonia p 33 A86-15515	[AD-A162026] p 242 N86-24219 The effect of cold training and the wearing of gloves
and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826	The effect of hypoxia on the dynamics of the peripheral	on manual performance in the cold: A comparison of pure
Biosensors from membrane proteins reconstituted in	lymph flow p 393 A86-45323	ability and operational tasks
polymerized lipid bilayers	The frequency of sister chromatid exchanges in blood cells under prolonged hypokinesia p 421 A86-49272	[AD-A163893] p 273 N86-25124 A lightweight impermeable suit for chemical protection
[AD-D012160] p 248 N86-25974 Cooperation of catalysts and templates	A study of human lymphocyte morphology from the	in warm conditions: A preliminary look at the concept
p 301 N86-26871	peripheral circulation after hyperbaric exposure divers	[AD-A164687] p 295 N86-26839
A comparative study of prebiotic and present day	p 121 N86-19857	Soldier-computer interface [AD-A165326] p 295 N86-26841
translational models p 303 N86-26877 Protobiological informatoin, bidirectional recognition and	PERIPHERAL NERVOUS SYSTEM  Mechanism of noradrenaline effect on the skin	Factors influencing carboxyhemoglobin stability
reverse translation p 303 N86-26878	thermoreceptors p 103 A86-23491	[AD-A165032] p 289 N86-27918
PERCEPTION	Postradiation disorders of peripheral-nerve regeneration	Process of task analysis [DE86-008183] p 409 N86-31225
Modeling of perception and decision-making processes p 183 A86-27094	and the role of free-radical oxidation products in the appearance of these disorders p 105 A86-24422	Human factors management
Experimental estimate of the parameters of a stochastic	Peripheral nerve injury in developing rats reorganizes	[DE86-008184] p 409 N86-31226
model of a human operator sensor system	motor cortex	A collation of United States Air Force anthropometry [AD-A168485] p 443 N86-33019
p 407 A86-45117 Information requirements determination: An empirical	[AD-A168019] p 417 N86-32952	Human Factors Review Plan
investigation of obstacles within an individual	PERIPHERAL VISION Sensitivity to phase distortions in central and peripheral	[DE86-010561] p 444 N86-33023
[AD-A158025] p 46 N86-13901	vision p 133 A86-26294	PERSONNEL DEVELOPMENT Professional flightcrew human resource development
A study of patient's self-image during orthodontic treatment	Displacement thresholds in central and peripheral vision	Developing a Needs Assessment Programme
[AD-A160751] p 126 N86-19888	during tracking p 378 A86-41782 Enhancing sensitivity to visual motion and enhancing	p 232 A86-29915 PERSONNEL MANAGEMENT
Interactive activation models of perception and	visual sensitivity	Psychological Sciences Division 1984 programs
comprehension [AD-A161362] p 181 N86-21143	[AD-A158800] p 40 N86-13889	[AD-A156631] p 20 N86-10779
Optical and event-duration variables affecting	An automated system for comprehensive assessment of visual field sensitivity	Evaluation of a multi-method group treatment approach
self-motion perception	[AD-A162755] p 178 N86-22104	for the management of stress [AD-A160813] p 135 N86-19897
[AD-A161836] p 223 N86-24194 Activities report in perception research	Effects of wearing NBC (Nuclear, Biological and	Human factors management
[IPO-19-1984] p 405 N86-30335	Chemical) protective clothing in the heat on detection of visual signals	[DE86-008184] p 409 N86-31226
PERCEPTUAL ERRORS	[AD-A162321] p 224 N86-24202	PERSONNEL SELECTION Opening up the astronaut selection process
Spatial location and hyperacuity - The centre/surround localization contribution function has two substrates	PERMEABILITY	p 18 A86-10493
p 19 A86-12061	Solute conductance of blood-gas barrier in hamsters exposed to hyperoxia p 391 A86-44195	A study of functional asymmetry of paired organs in
The dynamics of the human estimation of image size	exposed to hyperoxia p 391 A86-44195 A lightweight impermeable suit for chemical protection	aircraft personnel p 10 A86-10750 Medical evaluation of cosmonauts - Physiological stress
and its neurophysiological correlates p 89 A86-22539  The influence of preview period and global optical flow	in warm conditions: A preliminary look at the concept	testing p 11 A86-12427
rate on sensitivity to loss in speed of self motion	[AD-A164687] p 295 N86-26839 PEROXIDES	Medical evaluation of cosmonauts - Assessment of
p 230 A86-29901	The mechanism of the adaptogenic effect of tocopherol	vestibular system p 11 A86-12429  Medical evaluation of cosmonauts - Psychological
PERFORMANCE PREDICTION Human performance simulation - Combining the data	in prolonged cold exposure p 414 A86-49367	testing p 19 A86-12431
p 381 A86-40480	Intensity of lipid peroxidation in hypokinetic rat tissues	Dental evaluation of cosmonauts p 11 A86-12432
Detection of system failure by human operator. I - The	p 56 N86-15876  Dynamics of peroxide oxidation of lipids during stress	Medical evaluation of cosmonauts - Biochemical investigations p 11 A86-12433
case of monitor p 403 A86-43535 Visual information transfer. Part 1: Assessment of	p 83 N86-16883	Use of a linguistic test in the course of large-scale
enceitie information and D. J. C. D.	PERSONALITY	physiological selection of men for work in an adverse
specific information needs. Part 2: Parameters of	The relation between the Type A behavior news-	
appropriate instrument scanning behavior	The relation between the Type A behavior pattern, pacing, and subjective workload under single- and	environment p 35 A86-15523
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of
appropriate instrument scanning behavior [NASA-CR-176277] p.21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p.75 N86-14946	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level:	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Characterization of good teleoperators - What aptitudes.
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ)	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Standardization of tasks: Approach planning human performance assessment
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003  PERFORMANCE TESTS	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  PERSONALITY TESTS Personality differences as a moderator of mental	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782 Experience and performance in video games and its
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical Utility of an emulation and simulation computer model	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915 Psychological selection of personnel for employment in
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003  PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical  p 44 A86-13571 Utility of an emulation and simulation computer model for air revitalization system hardware design, development,	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732  Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915 Psychological selection of personnel for employment in the Antartic
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical  Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278 Characteristics of medically disqualified airman
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003  PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical  p 44 A86-13571 Utility of an emulation and simulation computer model for air revitalization system hardware design, development,	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107 PERSONNEL	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance. Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915 Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278 Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical  p 44 A86-13571 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983 [AD-A162209] p 224 N86-24201
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical p 44 A86-13571 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 855 class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107 PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181]	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance of p 268 A86-33828 Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915 Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278 Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983 [AD-A162209] p 224 N86-24201 Theory-based cognitive assessment [AD-A164083] p 266 N86-25991
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical p 44 A86-13571 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats p 184 A86-28440 Zero-G simulation verifies EVA servicing of space station modules [AlAA PAPER 86-2312] p 407 A86-46942	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107 PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes	environment p 35 A86-15523 System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915 Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278 Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983 [AD-A16209] p 266 N86-25991 Theory-based cognitive assessment [AD-A164083] Canadian forces approach to aircrew medical
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical  1 p 44 A86-13571 1 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats  2 p 184 A86-28440 Zero-G simulation verifies EVA servicing of space station modules [AlAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 855 class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107 PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983  [AD-A162209] Theory-based cognitive assessment [AD-A164083] p 266 N86-25991  Canadian forces approach to aircrew medical selection p 399 N86-30311
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats p 184 A86-28440 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107 PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-A161152] p 136 N86-19905 Effects of carbon monoxide on personnel	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment  [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology  [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic  [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983  [AD-A162209] p 224 N86-24201  Theory-based cognitive assessment  [AD-A164083] p 26 N86-25991  Canadian forces approach to aircrew medical selection p 399 N86-30311  Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical p 44 A86-13571 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats p 184 A86-28440 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the B-18 molecular sieve oxygen	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-A161152] p 136 N86-19905 Effects of carbon monoxide on personnel [AD-P004882] p 163 N86-20628	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic [DRIC-7-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983  [AD-A16209] Theory-based cognitive assessment [AD-A164083] p 224 N86-25991  Canadian forces approach to aircrew medical selection Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the p 399 N86-30313
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS  Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical  Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats  Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the B-18 molecular sieve oxygen generating system Syllogistic reasoning tasks, a methodological review	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107 PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-A161152] p 136 N86-19905 Effects of carbon monoxide on personnel	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17662  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983 [AD-A162209] p 266 N86-24201  Theory-based cognitive assessment [AD-A164083] p 266 N86-25991  Canadian forces approach to aircrew medical selection p 399 N86-30311  Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the next decade p 399 N86-30313  Entry visual standards and ocular examination
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical p 44 A86-13571 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats p 184 A86-28440 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the B-18 molecular sieve oxygen generating system p 431 A86-47751 Syllogistic reasoning tasks, a methodological review [AD-A159190] p 71 N86-14992	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-A161152] p 136 N86-19905 Effects of carbon monoxide on personnel [AD-P004882] p 163 N86-20628 Health and performance of antarctic winter-over personnel: A follow-up study [AD-A161773] p 182 N86-22109	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17662  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983  [AD-A16209] p 224 N86-25991  Theory-based cognitive assessment [AD-A164083] p 266 N86-25991  Canadian forces approach to aircrew medical p 399 N86-30311  Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the p 399 N86-30313  Entry visual standards and ocular examination of the pass of the selection of Sensitivity to color contrasts and the selection of
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical  1 p 44 A86-13571 1 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats  2 p 184 A86-28440 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47751 Syllogistic reasoning tasks, a methodological review [AD-A159190] p 71 N86-14892 Instructions for flight crew members and flight crew	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-P04882] p 136 N86-19905 Effects of carbon monoxide on personnel [AD-P04882] p 163 N86-20628 Health and performance of antarctic winter-over personnel: A follow-up study [AD-A161773] p 182 N86-22109 Status of calcium metabolism in coal miners with	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983 [AD-A162209] p 266 N86-24201  Theory-based cognitive assessment [AD-A164083] canadian forces approach to aircrew medical selection p 399 N86-30311  Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the next decade p 399 N86-30313  Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30317  Sensitivity to color contrasts and the selection of navigator personnel
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical p 44 A86-13571 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats p 184 A86-28440 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the B-18 molecular sieve oxygen generating system p 431 A86-47751 Syllogistic reasoning tasks, a methodological review [AD-A159190] p 71 N86-14992	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732  Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107  PERSONNEL  Design guidelines for carbon dioxide scrubbers, revision A  [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-P004882] p 163 N86-19905  Effects of carbon monoxide on personnel [AD-P004882] p 163 N86-20628 Health and performance of antarctic winter-over personnel: A follow-up study [AD-A161773] p 182 N86-22109  Status of calcium metabolism in coal miners with vibration sickness p 220 N86-23251	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment  [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology  [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic  [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983  [AD-A162209] p 224 N86-24201  Theory-based cognitive assessment  [AD-A164083] p 266 N86-25991  Canadian forces approach to aircrew medical selection p 399 N86-30311  Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the next decade  Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30317  Sensitivity to color contrasts and the selection on avigator personnel  Computer analysis of visual and vestibular oculomotor
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical p 44 A86-13571 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats p 184 A86-28440 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the B-1B molecular sieve oxygen generating system p 431 A86-47751 Syllogistic reasoning tasks, a methodological review (AD-A159190) Instructions for flight crew members and flight crew training and examination guidelines of the West German Federal Board of Transport	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-A161152] p 136 N86-19905 Effects of carbon monoxide on personnel [AD-P00482] p 163 N86-20628 Health and performance of antarctic winter-over personnel: A follow-up study [AD-A161773] p 182 N86-22109 Status of calcium metabolism in coal miners with vibration sickness Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17662  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983 [AD-A162209] p 266 N86-25291  Theory-based cognitive assessment [AD-A164083] p 266 N86-25991  Canadian forces approach to aircrew medical selection p 399 N86-30311  Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the pxt decade p 399 N86-30311  Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30316  Computer analysis of visual and vestibular oculormotor function in the medical selection of fighter aircrew members
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical  1 p 44 A86-13571 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats  2 p 184 A86-28440 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the B-18 molecular sieve oxygen generating system p 431 A86-47751 Syllogistic reasoning tasks, a methodological review [AD-A159190] p 71 N86-14982 Instructions for flight crew members and flight crew training and examination guidelines of the West German Federal Board of Transport [REPT-1] p 95 N86-17985	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732  Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107  PERSONNEL  Design guidelines for carbon dioxide scrubbers, revision A  [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-A161152] p 136 N86-19905  Effects of carbon monoxide on personnel [AD-P004882] p 163 N86-20628 Health and performance of antarctic winter-over personnel: A follow-up study [AD-A161773] p 182 N86-22109  Status of calcium metabolism in coal miners with vibration sickness p 220 N86-23251  Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment  [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology  [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic  [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983  [AD-A162209] p 26 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983  [AD-A164083] p 26 N86-25991  Canadian forces approach to aircrew medical selection  Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the next decade p 399 N86-30317  Sensitivity to color contrasts and the selection of navigator personnel  Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing — Nuclear-Biological-Chemical  Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats  Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the B-18 molecular sieve oxygen generating system p 431 A86-47751 Syllogistic reasoning tasks, a methodological review [AD-A159190] p 71 N86-14892 Instructions for flight crew members and flight crew training and examination guidelines of the West German Federal Board of Transport [REPT-1] p 95 N86-17985 Performance comparison of thirty, two-stage demand regulators — underwater breathing apparatus	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107 PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-A161152] p 136 N86-19905 Effects of carbon monoxide on personnel [AD-P04882] Health and performance of antarctic winter-over personnel: A follow-up study [AD-A161773] p 182 N86-22109 Status of calcium metabolism in coal miners with vibration sickness p 220 N86-23251 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259 Changes in fitness and shipboard task performance following circuit weight training programs featuring	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17662  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983 [AD-A162209] p 266 N86-25291  Theory-based cognitive assessment [AD-A164083] p 266 N86-25991  Canadian forces approach to aircrew medical selection p 399 N86-30311  Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the pxt decade p 399 N86-30311  Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30316  Computer analysis of visual and vestibular oculormotor function in the medical selection of fighter aircrew members
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical  Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats  Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the B-18 molecular sieve oxygen generating system p 431 A86-47751 Syllogistic reasoning tasks, a methodological review [AD-A159190] p 71 N86-14892 Instructions for flight crew members and flight crew training and examination guidelines of the West German Federal Board of Transport [REPT-1] p 95 N86-17985 Performance comparison of thirty, two-stage demand regulators underwater breathing apparatus	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 855 class using Myers-Briggs Type-Indicator [AD-A161953] p 181 N86-22107 PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-A161152] p 136 N86-19905 Effects of carbon monoxide on personnel [AD-P004882] p 163 N86-20628 Health and performance of antarctic winter-over personnel: A follow-up study [AD-A161773] Status of calcium metabolism in coal miners with vibration sickness p 120 N86-23251 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction collowing circuit weight training programs featuring continuous or interval running	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment  [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology  [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic  [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983  [AD-A16209] p 224 N86-24201  Theory-based cognitive assessment  [AD-A164083] p 26 N86-25991  Canadian forces approach to aircrew medical selection p 399 N86-30311  Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the next decade p 399 N86-30313  Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30317  Sensitivity to color contrasts and the selection of navigator personnel p 400 N86-30318  Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319  PERSPIRATION  Circulatory and thermoregulatory actions of hydration
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing — Nuclear-Biological-Chemical  Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats  Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the B-18 molecular sieve oxygen generating system p 431 A86-47751 Syllogistic reasoning tasks, a methodological review [AD-A159190] p 71 N86-14892 Instructions for flight crew members and flight crew training and examination guidelines of the West German Federal Board of Transport [REPT-1] p 95 N86-17985 Performance comparison of thirty, two-stage demand regulators — underwater breathing apparatus [ARE(M6)-TM-83818] p 99 N86-17987 Goldstone field test activities: Target search	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-A161152] p 136 N86-19905 Effects of carbon monoxide on personnel [AD-A161773] p 182 N86-20628 Health and performance of antarctic winter-over personnel: A follow-up study [AD-A161773] p 182 N86-2109 Status of calcium metabolism in coal miners with vibration sickness p 186-22251 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259 Changes in fitness and shipboard task performance following circuit weight training programs featuring continuous or interval running [AD-A163110] p 255 N86-24206	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983  [AD-A16209] p 224 N86-24201  Theory-based cognitive assessment [AD-A164083] p 266 N86-25991  Canadian forces approach to aircrew medical selection p 399 N86-30311  Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the next decade p 399 N86-30313  Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30317  Sensitivity to color contrasts and the selection of navigator personnel p 400 N86-30319  Human Factors Review Plan [DE86-010561] p 444 N86-3023  PERSPIRATION  Circulatory and thermoregulatory actions of hydration during exercise-heat stress
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical  Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats  P 184 A86-28440 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the B-1B molecular sieve oxygen generating system [AD-A159190] p 71 N86-14892 Instructions for flight crew members and flight crew training and examination guidelines of the West German Federal Board of Transport [REPT-1] p 95 N86-17985 Performance comparison of thirty, two-stage demand regulators underwater breathing apparatus [ARE(M6)-TM-83818] p 99 N86-17987 Goldstone field test activities: Target search	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-29732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 855 class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107 PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-P004882] p 163 N86-19905 Effects of carbon monoxide on personnel [AD-A161152] p 136 N86-20628 Health and performance of antarctic winter-over personnel: A follow-up study [AD-A161773] Status of calcium metabolism in coal miners with vibration sickness p 220 N86-23251 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259 Changes in fitness and shipboard task performance following circuit weight training programs featuring continuous or interval running [AD-A163110] p 225 N86-24206 Development of a computer-managed readiness assessment system	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment  [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology  [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic  [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983  [AD-A16209] p 224 N86-24201  Theory-based cognitive assessment  [AD-A164083] p 26 N86-25991  Canadian forces approach to aircrew medical selection p 399 N86-30311  Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the next decade p 399 N86-30313  Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30317  Sensitivity to color contrasts and the selection of navigator personnel p 400 N86-30318  Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319  PERSPIRATION  Circulatory and thermoregulatory actions of hydration
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical p 44 A86-13571 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats p 184 A86-28440 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the B-1B molecular sieve oxygen generating system p 431 A86-47751 Syllogistic reasoning tasks, a methodological review (AD-A159190) Instructions for flight crew members and flight crew training and examination guidelines of the West German Federal Board of Transport [REPT-1] p 95 N86-17985 Performance comparison of thirty, two-stage demand regulators underwater breathing apparatus [REPT-1] p 9 N86-17987 Goldstone field test activities: Target search p 309 N86-26911	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832  PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-A161152] p 136 N86-19905 Effects of carbon monoxide on personnel [AD-P004882] p 163 N86-20628 Health and performance of antarctic winter-over personnel: A follow-up study [AD-A161773] p 182 N86-22109 Status of calcium metabolism in coal miners with vibration sickness Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23251 Changes in fitness and shipboard task performance following circuit weight training programs featuring continuous or interval running [AD-A162931] p 236 N86-24215	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Standardization of tasks: Approach planning human performance assessment [IZF-1984-19] p 20 N86-10782 Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915 Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278 Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983 [AD-A16209] p 224 N86-24201 Theory-based cognitive assessment [AD-A164083] p 266 N86-25991 Canadian forces approach to aircrew medical selection Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the next decade p 399 N86-30313 Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30317 Sensitivity to color contrasts and the selection of navigator personnel p 400 N86-30319 Human Factors Review Plan [DE86-010561] p 444 N86-3023 PERSPIRATION Circulatory and thermoregulatory actions of hydration during exercise-heat stress [AD-A158440] p 63 N86-14875 Heat acclimatization developed during summer running in northeastern United States
appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850 Application of screw calculus to the evaluation of manipulator workspace [AD-P004947] p 75 N86-14946 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire (ESRQ) [FOA-C-50034-H3] p 383 N86-29506 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 PERFORMANCE TESTS Thermal stress imposed on pilots by NBC protective clothing Nuclear-Biological-Chemical p 44 A86-13571 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, and test [SAE PAPER 851377] p 140 A86-23560 Evaluation of helmet display formats p 184 A86-28440 Zero-G simulation verifies EVA servicing of space station modules [AIAA PAPER 86-2312] p 407 A86-46942 Development of a portable oxygen system analyzer p 430 A86-47742 Test and evaluation of the B-1B molecular sieve oxygen generating system p 431 A86-47751 Syllogistic reasoning tasks, a methodological review (AD-A159190) Instructions for flight crew members and flight crew training and examination guidelines of the West German Federal Board of Transport [REPT-1] p 95 N86-17985 Performance comparison of thirty, two-stage demand regulators underwater breathing apparatus [REPT-1] p 99 N86-17987 Goldstone field test activities: Target search p 309 N86-26911	pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822 The personality and physique of undergraduate aviation majors p 382 A86-40571 An investigation into effects of environmental changes on locus of control [AD-A160861] p 135 N86-18987 The healthy motivation to fly: No psychiatric diagnosis [AD-A164944] p 291 N86-26832 PERSONALITY TESTS Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 855 class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107 PERSONNEL Design guidelines for carbon dioxide scrubbers, revision A [AD-A160181] p 147 N86-18989 The influence of quality circles on attitudinal outcomes among civil engineering personnel [AD-A161152] p 136 N86-19905 Effects of carbon monoxide on personnel [AD-A161773] p 182 N86-20628 Health and performance of antarctic winter-over personnel: A follow-up study [AD-A161773] p 182 N86-22109 Status of calcium metabolism in coal miners with vibration sickness Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23251 Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259 Changes in fitness and shipboard task performance following circuit weight training programs featuring continuous or interval running [AD-A163110] p 225 N86-24206 Development of a computer-managed readiness assessment system	environment p 35 A86-15523  System developed for psychological selection of AT controllers p 69 A86-17062  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828  Standardization of tasks: Approach planning human performance assessment  [IZF-1984-19] p 20 N86-10782  Experience and performance in video games and its influence on aptitude tests in aviation psychology  [DFVLR-FB-85-43] p 73 N86-15915  Psychological selection of personnel for employment in the Antartic  [DRIC-T-7449] p 235 N86-23278  Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983  [AD-A162209] p 224 N86-24201  Theory-based cognitive assessment  [AD-A164083] p 26 N86-25991  Canadian forces approach to aircrew medical selection p 399 N86-30311  Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the next decade p 399 N86-30313  Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30317  Sensitivity to color contrasts and the selection of navigator personnel p 400 N86-30318  Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319  PERSPIRATION  Circulatory and thermoregulatory actions of hydration during exercise-heat stress  [AD-A152440] p 63 N86-14875  Heat acclimatization developed during summer running

SUBJECT INDEX Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A162026] D 242 NRR-24210 **PESTICIDES** Characteristics of effects of microbiological means of plant protection on organism lant protection on organism p 109 N86-19829
Using Ashford's general model to aid in the understanding of a pesticide's neurotoxic effect through pesticide-drug mixture experiments [PB86-130028] p 226 N86-24211 PETRI NETS Model-based approaches for partitioning subjective workload assessments [NASA-CR-177030] p 382 N86-29504 Modified Petri net model sensitivity to workload manipulations p 436 N86-32979 PETROLEUM PRODUCTS USAF toxicology research on petroleum and shale-derived aviation gas turbine fuels
[ASME PAPER 85-GT-34] p 80 A86-22023 PETROLOGY Isotopic, petrologic and biogeochemical investigations of banded iron-formations p 305 N86-26885 PH intracellular pH shift leads to microtubule assembly and microtubule-mediated motility during sea urchin fertilization - Correlations between elevated intracellular pH and microtubule activity and depressed intracellular pH and microtubule disassembly p 82 A86-22709 Effect of hypocapnia on ventral medullary blood flow and pH during hypoxia in cats p 413 A86-47869 Electrochemical control of pH in a hydroponic nutrient solution p 150 N86-19918 PHARMACOLOGY Calcium antagonists in the prevention of motion ckness p 87 A86-20405 sickness Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under reduced barometric pressure p 80 A86-21454 Methods of regulating the adaptation and resistance Methods of regulating the according to the processes in navy personnel p 110 A86-23495 processes in navy personnel p 110 A86-23495 Physiological insights gained through zero-G medical p 144 A86-24121 Antistress effect of 1-chlormethylsilitrane p 105 A86-24309 Studies of radioprotective properties of adeturon and polyanion, applied separately and in combination D 208 A86-32699 Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 Antioxidants as antiarrhythmic remedies p 246 A86-35938 Changes in the contractile and electrical activities of the rat myocardium under the effect of verapamil under insufficient oxygenation p 246 A86-35939 Effect of spironolactone on acute mountain sickness p 377 A86-41781 Mechanism of adaptogenic action of prickly eleuterococcus on man during heat stress p 14 N86-10757 Drugs and surfactants used to prevent caisson disease USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-85-025] p 83 N86-16881 Development of an ultrafast-curing wound dressing ND-A162471] p 177 N86-22099 [AD-A162471] USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-86-002] p 209 N86-23222 Using Ashford's general model to aid in the understanding of a pesticide's neurotoxic effect through pesticide-drug mixture experiments

[PB86-130028]

[AD-A166986]

PHASE CONTRAST

PHASE DEVIATION

Implications for jet lag

PHASE TRANSFORMATIONS

Determination of symmetry and phase in human visual response functions: Theory and experiments

Phase change water processing for Space Station [SAE PAPER 851346] p 139 A86-2:

vision

vision

connectivity indices

p 226 N86-24211 The prediction of biological activity using molecular p 394 N86-31208 Sensitivity to phase distortions in central and peripheral p 133 A86-26294 Sensitivity to phase distortions in central and peripheral ision p 133 A86-26294 Sensitivity to phase distortions in central and peripheral p 133 A86-26294 Phase shifting two coupled circadian pacemakers

p 377 A86-40684

p 15 N86-10769

p 139 A86-23532

PHENOLIC RESINS Standardization of carbon-phenolic composite test p 243 N86-24527 PHENOLOGY Seasonal and circadian rhythms in androgen excretion in the extremely continental climate of Trans-Baikal and the BAM region among groups of local nonnative p 420 A86-49269 PHONEMES Attention within auditory word perception [AD-A162550] p 182 N86-22111 Speech analysis based on a model of the auditory [AD-A167426] PHOSPHORUS METABOLISM p 427 N86-32098 Regulation of bone mineral loss during lactation p 82 A86-22713 Role of Ca(2+)/calmodulin in phosphorylation of proteins in plants p 158 N86-21099 **PHOSPHORYLATION** Some results of a study of the bioenergetics of rat muscle weightlessness p 49 A86-16754 Ecto-protein kinase activity on the external surface of p 207 A86-31650 Role of Ca(2+)/calmodulin in phosphorylation of proteins in plants [DE86-001804] p 158 N86-21099 PHOTICS Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883 PHOTOCHEMICAL REACTIONS Photochemical reactions in interstellar grains photolysis of CO, NH3, and H2O p 189 A86-28721 Photochemistry of methane and the formation of hydrocyanic acid (HCN) in the earth's early atmosphere p 243 A86-30697 Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin p 374 A86-43434 The retinal cycle in bacteriorhodopsin --- Russian book p 414 A86-49348 Physiology/biochemistry of photoactivation of O2 evolution: Probes for the S-state protein [DE85-016834] p 53 N86-14843 Photoenergy transduction in halobacterium halobium [NASA-CR-176673] p 248 N86-25970 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853 A gas chromatograph experiment for a Titan entry probe p 299 N86-26856 Photochemical reactions of various model protocell p 303 N86-26879 Functional and evolutionary relationships between bacteriorhodopsin bacteriorhodopsin and halorhodopsin archaebacterium, halobacterium halobium p 306 N86-26892 **PHOTODISSOCIATION** Laser kinetic spectroscopy of unimolecular and bimolecular processes in the gas phase p 394 N86-31209 PHOTOGRAPHIC FILM MTF's and Wiener spectra of radiographic screen-film systems. Volume 2: (Including speeds of screens, films and screen-film systems) p 380 N86-29501 PHOTOGRAPHS Photosimulation of target acquisition in the presence of smoke: A pilot study [IZF-1984-36] p 95 N86-17986 Photolysis products of CO, NH3 aND H2O and their significance to reactions on interstellar grains p 298 N86-26849

Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761 **PHOTOOXIDATION** Biosynthetic porphyrins and origin photosynthesis n 306 N86-26894 **PHOTORECEPTORS** Effect of intensive visible light on activity of glutathione

peroxidase in pigmented epithelium of eye

**PHOTOSENSITIVITY** Transient proton inflows during illumination of anaerobic Halobacterium halobium cells p 374 A86-43436 p 374 A86-43436 Proton transfer in bacteriorhodopsin --- Russian book p 413 A86-49345 Photoactive pigments in halobacteria from the Gavish p 415 A86-49998

p 210 N86-23226

Light induced damage to erythrocyte membrane sensitized by tetrasulfophenyl porphin p 109 N86-19838 Foveal flashes and human performance p 284 N86-26822 PHOTOSYNTHESIS Habitability of the early earth - Clues from the physiology of nitrogen fixation and photosynthesis D 25 A86-14117 Photoactive pigments in halobacteria from the Gavish p 415 A86-49998 Controlled environment life support system: Calcium-related leaf injuries on plants [NASA-CR-176288] p 6 N86-11829 Structure and function of isozymes: Evolutionary spects and role of oxygen in eucaryotic organisms [NASA-CR-176286] p 6 N86-11831 Application of electron-transfer theory to several systems of biological interest [DE85-015835] p 55 N86-15860 Method for improving product yields in an anionic metalloporphyrin-based artificial photosynthesis system [DE85-017723] p 85 N86-17978 CELSS science needs p 151 N86-19925 CELSS science needs
Application of photosynthetic N2-fixing cyanobacteria to the CELSS program

p 151 N86-19929 the CELSS program p 151 N86-19929 Optimization of controlled environments for hydroponic production of leaf lettuce for human life support in p 152 N86-19936 Greenhouses with curvilinear planting surface p 159 N86-21132 Particulate models of photosynthesis [DE86-001625] DE86-001625] p 160 N86-22090 Annual report and summaries of FY 1985 activities upported by the Division of Biological Energy Research DE85-0091321 p 209 N86-23220 [DE85-009132] Photochemical reactions of various model protocell p 303 N86-26879 The principle of cooperation and life's origin and p 303 N86-26880 Thioredoxins in evolutionarily primitive organisms p 306 N86-26893 porphyrins and the Biosynthetic the origin of p 306 N86-26894 photosynthesis Evolutionary significance of osmoregulatory mechanisms in cyanobacteria p 307 N86-26898 Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in the atmosphere p 280 N86-27903 Gas exchange characteristics of leaves as indicators of the basic limitations to the rate of photosynthesis [DE86-009632] PHOTOVOLTAIC CONVERSION An engineering analysis of a closed cycle plant growth p 150 N86-19919 Changes in physicochemical properties of contractile

module PHYSICAL CHEMISTRY and regulatory proteins in different types of muscles during and after exposure to accelerations p 61 N86-14860 Individual differences in maximum oxygen uptake regulation and level p 62 N86-14863 Physico-chemical studies of radiation effects in cells [DE85-0146811 p 83 N86-16878

The prediction of biological activity using molecular connectivity indices [AD-A166986] p 394 N86-31208

PHYSICAL EXAMINATIONS Canadian forces approach to aircrew medical p 399 N86-30311 Medical selection and physiological training of fighter pilots: A 1985 perspective and overview

p 399 N86-30312 Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the p 399 N86-30313 Selection and medical testing of Mirage 2000 pilots: Report of echocardiography p 399 N86-30314
Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323

Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan p 401 N86-30325 Effect of dexamethasone on symptoms of acute mountain sickness at Pikes Peak, Colorado (4300m) AD-A1686621 p 425 N86-32963 PHYSICAL EXERCISE

Plasma hormonal responses at graded hypohydration levels during exercise-heat stress [AD-A164941] p 86 A86-20004 Heat adaptation during training by graded perthermia p 89 A86-22538 hyperthermia Cytochemical studies of blood lymphocytes in the diagnosis and forecasting of changes in the functional status of athletes p 89 A86-22540

A86-22258

effects

p 34 A86-15519

p 36 A86-15832

Development of countermeasures for use in space

- to adaptive response to space flight

The effects of circuit weight training and G experience p 161 A86-28098 on +Gz tolerance Effect of simulated weightlessness on exercise-induced anaerobic threshold p 250 A86-33756 Some aspects of yogic exercises during space flight p 263 A86-35289 Evaluation of precordial mapping before and after submaximal exercise amongst normal and asymptomatic subjects with non specific ST-T abnormalities p 251 A86-35290 Time course of muscular blood metabolites during forearm rhythmic exercise in hypoxia p 252 A86-36222 Physical training and +Gz tolerance reevaluated p 396 A86-44096 Effect of physical training in humans on the response of isolated fat cells to epinephrine p 418 A86-47868 Changes in immunity under stress p 420 A86-49267 Assessment of state of chronotropic and inotropic heart function at different degrees of physical fitness p 12 N86-10746 Classification of changes in electrocardiogram during muscular exertion of healthy individuals p 14 N86-10755 Circulatory and thermoregulatory actions of hydration during exercise-heat stress [AD-A158440] p 63 N86-14875 Resting metabolic rate in men following prolonged treadmill exercise p 121 N86-19853 Mechanisms of bioenergetic homeostasis during exercise: A general model p 176 N86-22098 [AD-A161678] Heat acclimatization developed during summer running in northeastern United States [AD-A162728] p 177 N86-22102 Respiratory response and muscle function during isometric handgrip exercise at high altitude p 223 [AD-A162003] N86-24198 An evaluation of tests of anaerobic power p 224 N86-24203 [AD-A162826] Physical, anthropometrical, and body composition characteristics of workers at Kennedy Space Center p 272 N86-25122 [NASA-TM-83102] Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989 Perceptual and physiological responses during exercise in cool and cold water [AD-A165491] p 283 N86-26800 Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884 Metabolic changes following eccentric exercise in trained and untrained men [AD-A166521] p 402 N86-31211 Altitude acclimatization attentuates plasma ammonia during submaximal exercise p 425 N86-32962 [AD-Ă168630] PHYSICAL FACTORS Individual parameters in thermoregulatory control; a review --- plasma diagnostics [IZF-1985-26] p 283 N86-26801 Effects of cold exposure on thermal status of men and p 285 N86-27874 women PHYSICAL FITNESS Medical evaluation of cosmonauts - Physiological stress p 11 A86-12427 testina Medical evaluation of cosmonauts - Cardiovascular p 11 A86-12428 assassment Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317 Fitness-for-duty, a pilot's viewpoint p 232 A86-29925 The personality and physique of undergraduate aviation p 382 A86-40571 majors Physiological effects of training [AD-A157417] p 16 N86-11841 Factors which alter human physiological responses during exercise-heat acclimation [AD-A160580] p 115 N86-18967 Physical fitness as a moderator of cognitive work capacity and fatigue onset under sustained combat-like operations [AD-A160417] p 134 N86-18982 Helicopter-referenced single control, center-position force exertion capabilities of males and females [AD-A161234] p 154 N86-19946 Mechanisms of bioenergetic homeostasis during exercise: A general model [AD-A161678] p 176 N86-22098 An evaluation of tests of anaerobic power

p 224 N86-24203

Changes in fitness and shipboard task performance following circuit weight training programs featuring continuous or interval running [AD-A163110] p 225 N86-24206 Physical, anthropometrical, and body composition characteristics of workers at Kennedy Space Ce NASA-TM-83102] p 272 N86-25122 Aerobic capacity and coronary risk factors in a [NASA-TM-83102] middle-aged army population AD-A163998 HC A02/MF A01 [AD-A163998] Fitness and activity assessments among US Army populations: Implications for NCHS general population surveys [AD-Á1640601 p 257 N86-25980 Fluid-Electrolyte-Mineral interrelations as affecting work p 282 N86-26799 [AD-A165325] Physical endurance of rats during intensive and repeated exposure to stationary magnetic field p 279 N86-27894 Medical Selection and Physiological Training of Future Fighter Aircrew
[AGARD-CP-396] p 398 N86-30309 Physical training of Mirage 2000 pilots p 401 N86-30324 Relationship of cardiopulmonary fitness to flight p 401 N86-30326 formance in tactical aviation Metabolic changes following eccentric exercise in trained and untrained men p 402 N86-31211 [AD-A166521] Induced erythrocythemia and maximal aerobic power: An examination of modifying factors [AD-A166522] p 402 N86-31212 PHYSICAL PROPERTIES A multivariate study of the relationship between the genetic code and the physical-chemical properties of p 104 A86-23997 **PHYSICAL WORK** analysis corticosteroid Comparative of catecholamine levels excreted in urine of persons with different occupations p 34 A86-15520 Prediction of human physical work capacity in p 34 A86-15522 high-temperature environments The effect of prolonged physical work at the levels of submaximal and extreme intensity upon the mass transfer and utilization of oxygen p 89 A86-22536 The effect of different regimens of running training on the physical work capacity and blood plasma lipids and lipoproteins in untrained male and female students p 89 The dynamics of systemic functional organization during adaptation to work in extreme environments p 254 A86-36530 Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems during muscular work 422 A86-49919 Efficiency of muscular work in white rats during adaptation to cold p 5 N86-10763 The impact of physical and mental tasks on pilot mental p 437 N86-32982 workoad PHYSIOCHEMISTRY Neurochemical basis of chemical thermoregulation and p 27 A86-15521 artificial hypobiosis Neurochemical mechanisms of artificial hypobiosis and chemical thermoregulation p 27 A86-15525 Some results of a study of the bioenergetics of rat muscle p 49 A86-16754 Calmodulin, a second messenger - History of investigation and physiological importance p 157 A86-29256 Somatostatin inhibits the ventilatory response to hypoxia p 216 A86-30681 Hypobiosis and functional resistance to cold p 206 A86-30897 Role of dopaminergic systems of neostriatum during the activity of the central nervous system in man and p 208 A86-33070 animals Gamma-aminobutyric acid and bulbar mechanisms of p 246 A86-35941 hemodynamic regulation Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on p 246 A86-36223 respiratory muscle metabolites Changes in the carbohydrate energy metabolism in the p 276 A86-39719 rat brain under laser radiation An anaerobic shift in energy metabolism in the mouse brain during recovery from acute radiation sickness p 276 A86-39720 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Nuclear lamins and peripheral nuclear antigens during fertilization and embryogenesis in mice and sea urchins

Naloxone enhances motion sickness - Endorphins implicated p 395 A86-44088 The contractile function and the energy metabolism of the myocardium under emotional stress and during adaptation of animals to short stress effects p 392 486,45322 PHYSIOLOGICAL ACCELERATION Increased gluconeogenesis in rats expos p 52 A86-18397 stress The effects of +Gz on the coronary circulation - A p 86 A86-20401 Comparative analysis of hypo - and hyper-gravity effects on prenatal development of mammals p 191 A86-30377 Chronic acceleration and egg production in domestic p 193 A86-30392 Oxygen consumption during cold exposure at 2.1 G in rats adapted to hypergravic fields p 199 A86-30432 The effect of a hyperdynamic environment on the development of the rat retina p 203 A86-30463 Comparison of human impact response in restraint systems with and without a negative G strap p 249 A86-33754 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A1685401 p 253 A86-36313 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal p 395 A86-44089 Effects of -Gz centrifugal acceleration upon cardiac utput of hamster p 415 A86-50290 output of hamster Hemodynamic parameters as related to different tolerance to head-pelvis accelerations Changes in physicochemical properties of contractile and regulatory proteins in different types of muscles during and after exposure to accelerations p 61 N86-14860 Cumulative effect of coriolis accelerations on coronary hemodynamics p 61 N86-14861 Ultrasonic quantification of blood volume redistribution under hypergravity p 257 N86-25982 PHYSIOLOGICAL DEFENSES Defense strategies against hypoxia and hypothermia Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum p 106 A86-24425 Investigation of mechanisms of the radioprotective effect of agonists of catecholamine receptors - Involvement of both subtypes of alpha-adrenoreceptors radioprotective effect p 208 A p 208 A86-32698 Partial recovery of neutrophil functions during prolonged hypothermia in pigs p 246 A86-36220 PHYSIOLOGICAL EFFECTS Performance and physiological effects acceleration-induced (+Gz) loss of consciousness p 8 A86-10253 Effects of 100 percent oxygen on the cardiovascular responses to vasoactive compounds in the dog p 2 A86-10255 The effects of mild hypoxia on a logical reasoning p 18 A86-10261 Characteristics of external respiration in inhabitants of the northeastern USSR p 9 A86-10698 The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700 A differential evaluation of the mechanism of the effect of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study) p 10 A86-11750 Opposing hemodynamic effects of substance P on ulmonary vasculature in rabbits p.3 A86-12378 pulmonary vasculature in rabbits Hemodynamic effects of anti-G suit inflation in a 1-G p 22 A86-12379 Medical evaluation of cosmonauts - 'Acceleration' p 11 A86-12430 Effects of head and body restraint on experimental motion-induced sickness in squirrel monkeys p 26 A86-14314 Effect of exposure to heat, hypoxia, cold, acceleration, and vibration stress on the total blood sulfhydryl groups p 33 A86-14319 in human subjects Leukocytic reactions caused by emotional stress

11AF PAPER 85-3271

[AD-A162826]

Effect of immobilization stress on body weight in rats p 81 A86-22324 Changes in the heart rate and in the cerebral vascular

tonus affected by alternating physical and mental loads p 89 A86-22535

The effect of prolonged physical work at the levels of submaximal and extreme intensity upon the mass transfer and utilization of oxygen p 89 A86-22536

The effect of different regimens of running training on the physical work capacity and blood plasma lipids and lipoproteins in untrained male and female students

p 89 A86-22537 Possible effect of hyperlipemia on the development and course of atherosclerosis in flight personnel

D 90 A86-22568 The effect of short term hypoxia on body temperature and lactic acid in blood p 81 A86-22595 Mechanism of noradrenaline effect on the skin thermoreceptors p 103 A86-23491

Effect of hyperoxic gas mixtures on oxygen mass transfer through the hematoparenchymatous barrier

p 103 A86-23492 Hypnogenic activity of a cyclic structural analog of -sleep-inducing peptide p 105 A86-24368 p 113 A86-24512 Mechanical solid vibrations p 113 A86-24512
Arousal and stability - The effects of five new sympathomimetic drugs suggest a new principle for the prevention of space motion sickness

p 113 A86-25656 Effect of rotopositioning on the growth and maturation of mandibular bone in immobilized Rhesus monkeys

p 106 A86-25659 Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content

n 106 A86-25660 Transdermal scopolamine - Human performance and p 163 A86-29094 Stimulation of brain muscarinic acetylcholine receptors

acutely reverses radiogenic hypodipsia [AD-A167057]

p 156 A86-29096 Effect of weightlessness on the development of neurosecretory structures hypothalamo-hypophyseal system of of the rat brain p 157 A86-29174 (Electron-microscope study) p 157 A86-29174
The influence of the initial value of a parameter on its

change under the action of external factors --- individual physiological responses of organization to external p 157 A86-29275

Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923 Comparative analysis of hypo - and hyper-gravity effects on prenatal development of mammals

p 191 A86-30377 Critical impact and acceleration loading to the head

p 214 A86-30381 The effects of real and simulated microgravity on vestibulo-oculomotor interaction p 193 A86-30390 Chronic acceleration and egg production in domestic p 193 A86-30392 The effect of a hyperdynamic environment on the

development of the rat retina p 203 A86-30463 Effect of flight in mission SL-3 on interferon-gamma production by rats p 204 A86-30467 Biochemical and morphological evaluation of the effects

of space flight on rat salivary glands

p 204 A86-30468 Effect of seven days of spaceflight on hindlimb muscle protein, RNA and DNA in adult rats p 204 A86-30471 The use of suspension models and comparison with true weightlessness --- Animal Model Workshop on Gravitational Physiology p 205 A86-30480 The alleviating effect of arbitrary movements on the

vestibulomotor p 216 A86-30898 Activation of cholesterogenesis under the effect of ionizing radiation on a living body p 207 A86-32697

Topical effects of molten salt on rat integument - A histological and photometric assessment

p 245 A86-33761 Nonionizing radiation damage in the eye

Medical problems of space flights p 251 A86-35285 Effects of pressure on uptake and release of calcium by brain synaptosomes p 247 A86-36225

A study of the effect of ultrasound on the antigenic activity of human erythrocytes p 254 A86-36495 The effect of external factors on the reactions modeling (Piccardi test)

biological processes ( cosmoheliogeophysical effects p 247 A86-36498 Heart and respiration rates during a mental task performed with varying degrees of success

p 254 A86-36526 Cyclic adenosine-3',5'-monophosphate and cyclic guanosine-3',5'-monophosphate in the blood plasma of mice injected with chemicals of different radioprotective efficiency p 276 A86-39718

Changes in the carbohydrate energy metabolism in the rat brain under laser radiation D 276 A86-39710 The mechanisms of the effect of nonionizing radiation

on an organism's sensory systems p 276 A86-39721
The effect of radiation on the concentration and metabolism of dopamine in the rat brain

p 276 A86-39722 Physiological problems of ascent to altitude

p 376 A86-40566 The effect of antimotion sickness drugs on habituation p 377 A86-41780 Effect of spironolactone on acute mountain sickr

D 377 A86-41781 Postradiation regional cerebral blood flow in primates

D 373 A86-41786 Inhibitory effects of combined agonist and antagonist muscle vibration on H-reflex in man p 395 A86-44090 Functional state of the pancreas under conditions of prolonged bed rest

p 421 A86-49271 Effect of emotional stress on hemostasis system of ealthy persons p 19 N86-10745 healthy persons Short term heat effect on adreno- and cholino-sensitivity

of rat's small intestine p 4 N86-10754 Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged nitrogen-oxygen mixture at elevated pressure stay

p 5 N86-10761 Homocarnosin in rat brain during adaptation to cold

D 5 N86-10762 The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987]

p 15 N86-10771 Report on the research activities on whole-body vibrations. Human strain due to mechanical vibrations [ISBN-3-88383-107-7] p 15 N86-10773

Physiological effects of training

[AD-A157417] p 16 N86-11841 The effect of spironolactone on the cardiocirculatory responses to upright tilt at sea level and at simulated high altitude

[AD-A157734] p 39 N86-13887 Neutron effects in humans: Protection considerations [DE85-015047] D 64 N86-14882 Alcohol effects on brain D 64 N86-14887

Basic results of experiments with long-term rotation of rats as applied to the problem of artificial gravity

p 56 N86-15878 One aspect of crew training p 72 N86-15885 Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984

The Eleventh Annual Meeting of the European Undersea Biomedical Society (EUBS) on Diving and Hyperbaric

[FOA-C-50021-H1] D 121 N86-19854 The effects of the insulation properties of different dry suit systems on the diver's heat balance and comfort during diving to 50 m D 121 N86-19856

A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure --- divers p 121 N86-19857

Some dominant frequencies of postural tremor are lower at 31 har p 122 N86-19859 A survey of aseptic bone negrosis in Turkish sponge

divers, interim report p 124 N86-19871 An appraisal of dive profiles in shellfish divers with reference to the risk of decompression sickness

p 125 N86-19879 Less bubble formation in women divers

p 126 N86-19883 Neurophysiological activity and psychophysical effectiveness of environmental factors

p 164 N86-21013 The influence of heliometeorologic factors on circulation and some vegetative functions p 165 N86-21021

Spatial distribution of heat and cold stress in the Federal Republic of Germany p 170 N86-21065 USSR report: Space Biology and Aerospace Medicine,

volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114

Characteristics of accelerations in aerobatic flight as a sport p 172 N86-21117 Effect of immersion hypokinesia on characteristics of

programmed voluntary movements p 173 N86-21119 Assessment of selected physiological indicators in antenna operators at short-wave transmitting and receiving centers p 220 N86-23250

Status of calcium metabolism in coal miners with vibration sickness p 220 N86-23251

The energy cost of combat engineer tasks [AD-A161861] P 223 N86-24195

Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198

Using Ashford's general model to aid in the understanding of a pesticide's neurotoxic effect through pesticide-drug mixture experiments PB86-1300281 D 226 N86-24211

Change of RNA and protein level in neurons-glia system under effects of hyperthermia and hypoxia

p 278 N86-27877 Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624

Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498

Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior

[NASA-CR-177003] p 385 N86-29509 The temporal response of bone to unloading

[NASA-TM-89228] p 397 N86-30303

Aircrew aspects of United Stated future fighter aircraft p 398 N86-30310

A possible role for endogenous glucocorticoids in orchiectomy-induced atrophy of the rat levator ani muscle: Studies with RU38486, a potent and selective antiglucocorticoid

[NASA-CR-177029] D 411 N86-30343

Analysis of nystagmus response to a pseudorandom velocity input p 402 N86-31426

Evaluation of the need for a large primate research facility in space [NASA-CR-179661] D 444 N86-32111

A simulation study of the effects of sleep deprivation, time of watch and length of time on watch on watchstanding effectivenes

[AD-A1677291 p 424 N86-32956 Effects of high altitude on neurological and pulmonary

function: The effect of high altitude on visual evoked potentials in humans on Mt. Everest [AD-A1683351 p 424 N86-32959

PHYSIOLOGICAL FACTORS

Human error in life support operations

p 96 A86-19330 Clinical and psychological surveillance of student pilots at the beginning of training P 111 A86-24501

The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966

**Evolutionary** significance osmoregulatory of mechanisms in cyanobacteria D 307 N86-26898 PHYSIOLOGICAL RESPONSES

Enhanced metabolic caffeine response to exercise-trained human subjects p 7 A86-10106 Comparative biodynamic response of two primate species to the same vibrational environment [AD-A160679]

Biological parameters in Japanese quail genetically selected for resistance or sensitivity to an acute hypoxic P 2 A86-10256

Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695

Adaptation of the human organism to the repeated short-term exposures to a hot environment p 10 A86-10701

Biochemical response to chronic shortening in unloaded soleus muscles p 3 A86-12380 Responses of bulbospinal and laryngeal respiratory

neurons to hypercapnia and hypoxia D 3 A86-12381 Changes in antidromic latencies of medullary respiratory neurons in hypercapnia and hypoxia A86-12382 р3

Catecholamine content of single brain nuclei in August rats following immobilization stress p 3 A86-12521 Changes in the vascular functions of skeletal muscles

due to acute hypothermia p 3 A86-12522 Prediction of the functional state of the body during adaptation to high altitudes p 31 A86-13298

Determination of vestibular asymmetry with application to aviation medicine p 31 A86-13299 Blood pressure and plasma renin activity as predictors of orthostatic intolerance p 32 A86-14312

Aldosterone, cortisol, and electrolyte responses to hypobaric hypoxia in moderate-altitude natives

p 32 A86-14316 Blood pressure levels of active pilots compared with those of air traffic controllers p 33 A86-14318 Physiological reflections of mental workload

D 41 A86-14321 Prediction of human physical work capacity in p 34 A86-15522 high-temperature environments Physiologic adaptation to space - Space adaptation

[IAF PAPER 85-313] p 35 A86-15824 Thermoregulatory and blood responses during exercise at graded hypohydration levels p 36 A86-16052 The effect of kallikrein on the development of a general

adaptation syndrome

p 49 A86-16751

The effect of auricular electric stimulation on myelopeptide production and early reactions of blood systems cell populations in the presence of immobilization p 49 A86-16752 Hypoxic and hypercapnic sensitivity as a reflection of p 58 A86-16753 individual human reactivity Some results of a study of the bioenergetics of rat muscle D 49 A86-16754 in weightlessness Modern concepts regarding some nontraditional neuroendocrine mechanisms of stress p 49 A86-16800

Responses of cat red-nucleus neurons to auditory sianals p 58 A86-18548 Inflight loss of consciousness. II Self-control of psychophysiologic response to motion stress Using biofeedback to treat sickness [AD-A163428] p 70 A86-18833

Endocrine correlates of susceptibility to motion p 59 A86-18834 sickness

Plasma norepinephrine, blood pressure and heart rate response to graded change in body position

A86-18835 p 59 Effects of psychotropic drugs on thermal responses to radiofrequency radiation Comparative cold responses of men and women to

p 87 A86-20403 external and internal cold stimuli Changes in immunoreactivity during adaptation to p 80 A86-21451 intervals of hypoxic hypoxia The diaphoretic reflex in a complex of methods for

estimating operator efficiency p 88 A86-21453 Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under p 80 A86-21454 reduced barometric pressure

The distinctive features of the energetic metabolism, glycolysis, and tissue respiration of the myocardium in rats having high and low resistance to hypoxia

p 80 A86-21455 Individual and typological functional properties of the sympathoadrenal system as a prognostic index of the functional state of an organism in complex environmental conditions

onditions p 88 A86-22532
The effect of enkephalins on metabolic parameters of rats in the presence of acute experimental blood loss

p 81 A86-22546 Changes in the function of skeletal muscle vessels due p 81 A86-22594 to the cardiogenic depressor reflex p 81 A86-22594 Heat acclimation - Cardiac performance of isolated rat p 82 A86-22663

Cardiorenal-endocrine responses to head-out immersion p 91 A86-22666 at night

Human physiological adaptation to extended Space Flight and its implications for Space Station A86-23502 [SAE PAPER 851311]

p 110 Physiological considerations for EVA in the Space Station era

[SAE PAPER 851313] p 111 A86-23504 Effect of seat cushions of human respone to +Gz p 145 A86-25652 impact

Orthostatic tolerance of normal Indians and those with suspected abnormal cardiovascular reflex status

p 114 A86-25661 Effects of body mass and morphology on thermal p 162 A86-28123 responses in water Device for rapid quantification of human carotid baroreceptor-cardiac reflex responses

p 162 A86-28125 Immunological analyses of U.S. S. Space Shuttle p 162 A86-29091 crewmembers

The influence of the initial value of a parameter on its change under the action of external factors --- individual physiological responses of organization to external p 157 factors

The state of man's organism under conditions of elevated atmospheric carbon dioxide

p 163 A86-29306 Mechanisms for negative water balance during weightlessness Immersion or bed rest?

p 214 A86-30386 Cardiorespiratory responses to lower body negative

pressure and tilt tests after exposure to simulated p 215 A86-30387 weightlessness Changes in functional metabolism in the rat central

nervous system following spaceflight p 199 A86-30433

Responses of amino acids in hindlimb muscles to recovery from hypogravity and unloading by tail-cast p 202 A86-30456 suspension

Early adaptation to altered gravitational environments in the squirrel monkey p 203 A86-30461 Otoconial morphology in space-flown rats

p 204 A86-30470

Hepatic enzyme adaptation in rats after space flight p 205 A86-30476

Physiological changes in hemostasis associated with p 215 A86-30680 acute exercise

Somatostatin inhibits the ventilatory response to hypoxia p 216 A86-30681 in humans

Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682

Complex approach to the study of adaptive systemic reactions and functional states in man. I - The time factor in the formation of subcomplexes of systemic physiological indexes of functional state dynamics, instrumentation used in the study p 216 and p 216 A86-30893

Neuronal responses and the evoked potentials in subcortical structures of the human brain during visual recognition. II - The effect of stimuli relevance on the p 216 A86-30894 evoked neuronal responses

Hypobiosis and functional resistance to cold p 206 A86-30897

The theoretical principles of adaptation --- physiological p 208 A86-33072 responses to environment Comparison of human impact response in restraint

systems with and without a negative G strap p 249 A86-33754

Systolic time intervals in pilots and non-pilots during 70 p 250 A86-33757 deg head-up tilt

Processing inferences derived from event-related potential measures in a monitoring task

p 262 A86-33822 Partial recovery of neutrophil functions during prolonged p 246 A86-36220 hypothermia in pigs p 246 A86-36220 Ontogeny of homeothermy in the immature rat

Metabolic and thermal responses p 246 A86-36221 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness

p 252 A86-36224 An informational assessment of changes in the physiological characteristics of an operator under different p 271 A86-36527 work regimens

The dynamics of systemic functional organization during adaptation to work in extreme environments

p 254 A86-36530 Evaluating the functional status of operators using indices of mental work capacity p 254 A86-36531 Substantiation of physiological criteria for assessing the functional status of the human body in high-tempe environmente

nvironments p 255 A86-36532 Spinal cord decompression sickness - A comparison of recompression therapies in an animal model

p 372 A86-41784 Response of enlarged alveolar n 378 A86-41785

Development of responses to noradrenalin injection in A86-43424 control and cold-adapted rate p 373 The role of gravity in producing digestive system A86-43677 p 391 changes

Effect of head-out water immersion on response to p 396 A86-44194 exercise training The photobiological aspects of radiation damage in cells

p 392 A86-44295 Russian book Effect of physical training in humans on the response of isolated fat cells to epinephrine p 418 A86-47868 Aldosterone response to angiotensin II during p 418 A86-47870 hvpoxemia A quick method for evaluating operators'

p 420 A86-49268 capacity Biochemical responses of Xenopus Laevis muscles to changes in environment. I. - Comparison to Rana Catesbeiana and exposure to gravic environment

p 415 A86-50288 Biochemical responses of Xenopus laevis muscles to changes in environment. II - Responses to gravity and p 415 A86-50289

Effect of single actions of weak electromagnetic fields of ultralow frequency on indices of endocrine system p 12 N86-10744

Individual typological features of autonomic reactions during autogenic training in polar expedition members p 13 N86-10748 period of wintering in Antarctica Individual typological self-regulation of cardio-vascular p 13 N86-10752 system

TV monitoring control system in electrophysiological p 14 N86-10765 studies Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice

p 5 N86-10766 Variability analysis of visually induced responses in the midst of noise p 16 N86-10774

Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project

p 16 N86-11839 [AD-A156942] is the cerebellum involved in motor and perceptual timing: A case study

[AD-A157452] p 16 N86-11842 Force and timing components of the motor program [AD-A157584] p 17 N86-11843

The effects of hypoxia induced by low atmospheric essure on soft contact lens wear AD-A1585561 p 38 N86-12963

A psychophysiological mapping of cognitive processes p 43 N86-13895 [AD-A158732]

Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months n 54 N86-14856

Changes in physical condition, vestibular function and bone system of rats submitted to long-term rotation p 54 N86-14857

Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations p 54 N86-14858

Effect of 24,25-dihydroxycholecalciferol on amino acid metabolism of hypokinetic rats p 55 N86-14869 Combined effects of stressors on the level of spinal

p 62 N86-14871 reflex arc structures Circulatory and thermoregulatory actions of hydration

during exercise-heat stress [AD-A1584401 p 63 N86-14875

The Middle Latency Response (MLR) and Steady State voked Potential (SSEP) in neonates [AD-A1580071 p 67 N86-15900

p 95 N86-16884 Peptides and memory Mitochondrial manifestations of stress and response to hormonal stimulation and hydroaeroions

p 84 N86-16885 Magnetic-field hazards bibliography, 2nd edition

p 107 N86-18955 [AD-A1601541 Identification and quantification of the water-soluble components of JP-4 and a determination of their biological

effects upon selected freshwater organisms p 108 N86-18957 [AD-A160271]

Prediction modeling of physiological responses and human performance in the heat

[AD-A160513] n 115 N86-18965 Factors which alter human physiological responses

during exercise-heat acclimation [AD-A160580] p 115 N86-18967 Thermovisual indicators of brain response to visual

p 119 N86-19843 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical

interpretation p 121 N86-19855 General automatic components of motion sickness p 126 N86-19886 [NASA-CR-176516]

Mesolimbic and nigrostriatal dopaminergic systems: Behavioral neuropharmacology

p 136 N86-19900 [AD-A1608211 Research opportunities on immunocompetence in

(NASA-CR-1764821 p 180 N86-21138 Studies on the mechanism of suppression of the immune esponse by synthetic, non-toxic adjuvants

[AD-A1624441] p 160 N86-22085 Influence of complexity of control task on level of activation of operators physiological functions when p 221 N86-23260 working with waiting

Effects of wearing NBC (Nuclear, Biological and Chemical) protective clothing in the heat on detection of visual signals [AD-A162321] p 224 N86-24202

Review of modified hemoglobin solutions for use as temporary blood substitutes [AD-A164210] p 256 N86-25114

Physical, anthropometrical, and body composition characteristics of workers at Kennedy Space Center [NASA-TM-83102] p 272 N86-25122

Ultrasonic quantification of blood volume redistribution inder hypergravity p 257 N86-25982 [AD-A164379]

Perceptual and physiological responses during exercise in cool and cold water p 283 N86-26800 [AD-A1654911

Individual parameters in thermoregulatory control: a --- plasma diagnostics [IZF-1985-26] p 283 N86-26801

A lightweight impermeable suit for chemical protection in warm conditions: A preliminary look at the concept p 295 N86-26839 [AD-A164687] Sweating reflex in complex of methods for evaluating

p 285 N86-27872 operator efficiency Some human reactions during 7-day antiorthostatic

p 286 N86-27885 hypokinesia Phasic processes in kinetics of formed blood elements p 286 N86-27888

Effects of atropine sulfate on aircrew performance p 290 N86-27919 [AD-A165063]

Thermoregulation after atropine and pralidoxime

AD-A1658681 p 397 N86-30304

Human vascular fluid responses to cold stress are not altered by cold acclimation

[AD-A165869] p 398 N86-30305

Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327 Assessing possible damage due to radio frequency
radiation [AD-A166913] P 402 N86-31214
Neurophysiological research supporting the investigation of adaptive network architectures
[AD-A166074] p 405 N86-31216 Peripheral nerve injury in developing rats reorganizes motor cortex
[AD-A168019] p 417 N86-32952 Predictors of periodic breathing at altitude
[AD-A167947] p 424 N86-32957 The startle reflex as a learning task: Apparatus and test
[AD-A167958] p 428 N86-32970
The effects of stimulus modality and task integrality: Predicting dual-task performance and workload from single-task levels p 436 N86-32981
The effects of stress on attentional resources p 437 N86-32986
Some computational techniques for estimating human operator describing functions p 441 N86-33007 Manual control of unstable systems
PHYSIOLOGICAL TESTS
Medical evaluation of cosmonauts - Physiological stress testing p 11 A86-12427
Medical evaluation of cosmonauts - Cardiovascular assessment p 11 A86-12428
Tachygastria and motion sickness p 32 A86-14315 Analysis of the functional structure of thermogenesis
on the basis of pharmacological tests
Comparison of human impact response in restraint systems with and without a negative G strap
p 249 A86-33754 Systolic time intervals in pilots and non-pilots during 70
deg nead-up tilt p 250 A86-33757 Automated Portable Test System (APTS) - A
[SAE PAPER 851775] p 263 A86-35427
Circulation and oxygen tension in the brain of wakeful rabbits in conditions leading to motion sickness
P 373 A86-43422 Hemodynamic correlates of immobilization stress in rats p 373 A86-43423
Phases of muscular thermogenesis under experimental hyperthyrosis
An analysis of estimation of pulmonary blood flow by the single-breath method
The use of a constitutional approach in the evaluation of health status
The wearing comfort of the PVC: Combat back pack [IZF-1984-34] p 23 N86-10789
Ultrasonic quantification of blood volume redistribution under hypergravity [AD-A164379] p.257 N86.25993
Canadian forces approach to aircrew medical selection p 399 N86-30311
Physiological insights gained through zero-G medical
Nonlinear mechanisms in physiology and
pathophysiology Toward a dynamical theory of health and disease p 422 A86-49636 USSR report: Life sciences. Biomedical and behavioral
[JPRS-UBB-85-023] p.4 N86-10739
USSR report: Life sciences. Biomedical and behavioral
[JPRS-UBB-85-025] p 83 N86-16881 A model of inhaled gas and vapor transport in the human lung
[AD-A160829] p 117 N86-18976 The C23A system, an exmaple of quantitative control of plant growth associated with a data base
p 148 N86-19911 Annual report and summaries of EV 1985 activities
supported by the Division of Biological Energy Research DE85-009132] p 209 N86-23220 Visual hemispheric specialization: A computational
heory AD-A161296] p 235 N86-23279 USSR report: Life sciences. Biomedical and behavioral
JPRS-UBB-86-0081 p.278 Nige 27860
Somatosensory and auditory perception according to
Specifications Physiological Monitoring System NASA-CR-171926] p 408 N86-30339 Guard cell biochemistry: Response to environmental
timuli causing changes in gas exchange DE86-010287] p 416 N86-32086
, seed

PIGMENTS	Theren
Photoactive pigments in halobacteria from the Gavish Sabkha	The visua for the eva
Functional and evolutionary relationships between	cosmonauts
bacteriorhodopsin and halorhodopsin in the archaebacterium, halobacterium halobium	Evaluatio
p 306 NR6-26892	devices in a
Biosynthetic porphyrins and the origin of	Investigat
PILOT ERROR	case of oxy
Naval Training Command mishaps and instructor experience	Medical
Some problems in flight mechanics with respect to flight	process
	The effe assessment
Winging it in the 1980's - Why guidelines are needed for cockpit automation	The effect
[SAE PAPER 841634] p 147 A86-26022	behavior An evalua
Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033	scale rating:
ine social-psychological aspects of pilot-error - Male	An examir wing mission
The scared pilot 0 228 Age 20097	Retention
Captain I was trying to bring up the fact that you made	period' for p Concept f
a mistake earlier' - Deference and demeanor at 30,000 feet p 229 A86-29894	requirement
The causes of causes' - Determinante and hockground	Inflight ev
variables of human factor incidents and accidents p 233 A86-29930	The use of
Helicopter flight control with one hand	Subjective
p 269 A86-34923 Cockpit automation - In need of a philosophy	Clinical an
[SAC PAPER 851956] D 270 A06 25454	at the begins Clinical p
Extended analysis of the structure of error scores in psychological aptitude tests	surgeon
[DFVLR-FB-85-20] D 20 NOS 10700	Clinical pro pilots expose
Speed of work and error rate: Analyses of individual differences in a choice reaction series with a cognitive	pilots expose
component	Ophthalmo
[DFVLR-FB-85-21] p 20 N86-10781 A multiple-regression model of pilot performance in	A new test
vertical and translational flight	Recurrent
[AD-A161364] p 188 N86-22115 Speed of work and error rate: Analyses of individual	consequence
differences in a choice reaction series with a cognitive	A cold thyr aptitude
Component	Some psyc
Hesitation in tracking induced by a concurrent manual	Gastric an
task p 439 N86-32995 PILOT INDUCED OSCILLATION	pilots
Maximum normalized acceleration as a fiving qualities	On the pilo change
parameter p 442 N86-33012 PILOT PERFORMANCE	Proteinuria
Human pilot parameter identification for a simulated	Flying and
air-to-ground target acquisition task p 18 A86-10157 Airline pilot disability - The continued experience of a	fear of flying
major 0.5. ainine p 8 A86-10251	[AD-A166555
Performance and physiological effects of acceleration-induced (+Gz) loss of consciousness	Flight deck [SAE PAPER
0 8 AR6-10252	Flight deck
The impact of life events on pilots - An extension of	anthropometr [SAE PAPER
Calcified hematoma of the greater omentum in an F-15	Al applica
ingriter pilot p.9. A86-10262	perspective o [SAE PAPER
A study of functional asymmetry of paired organs in aircraft personnel p 10 A86-10750	Automation
Determination of vestibular asymmetry with application	[SAE PAPER Effect of vi
Complete right branch blocking and the flight fitness	displays
OI PROIS D.31 ARE-13567	(SAE PAPER Subjective
Positive pressure respiration, a means of protecting against +Gz accelerations - A theoretical approach	information pr
p 31 A86-13569	[SAE PAPER A review of p
Mourning and traumatic neuroses - Clinical aspects and aeronautical incidents for one helicopter pilot	on the A-10 s
p 40 A86-13569	[SAE PAPER Advanced f
Intermediate collimation: Description - Goals - First results p 44 A86-13570	The pilot inter
Thermal stress imposed on pilots by NBC protective	[SAE PAPER Effects of d
ciotning Nuclear-Biological-Chemical	[SAE PAPER
p 44 A86-13571 Nonhypoxic syncopes at high altitude - The results of	The decision [SAE PAPER
two observational trials in a hypobaric chamber	Effects of p
p 31 A86-13572 Investigation of Eustachianal function in JASDF pilots	members in aircraft
by new apparatus. I - On the pressural regulation of the	Visual scann
Eustachian tube in normal human p 32 A86-13941	Head-up/he transition times
Psychological states of student pilots in flight training p 41 A86-13943	Levels of he
Changes of fiving skills during non-flight periods	emergency o

Changes of flying skills during non-flight periods

algorithm for modeling human operator dynamics

those of air traffic controllers

Normalized predictive deconvolution - A time series

Blood pressure levels of active pilots compared with

p 41 A86-13944

D 44 A86-14238

p 33 A86-14318

```
al stress model - A psycho-physiological method
               aluation of operational reliability of pilots and
                                            p 41 A86-15831
              on of pilot performance and aircrew protective
              a simulated F-14 flat spin environment
                                            p 86 A86-19351
               ition of the functional condition of pilots in the
              ygen breathing under excess pressure
                                            p 88 A86-22525
               control of the aircrew during a retraining p 110 A86-23494
              fect of asymmetric transfer on dual-task nt of voice technology p 141 A86-23702
              cts of simulator and aircraft motion on eye scan
              p 128 A86-23709
uation of aviator training ability requirements
                                           p 128 A86-23715
              ination of ability requirements for various rotary
                                          p 128 A86-23716
              n of helicopter flight skills - Is there a 'critical
              proficiency loss?
                                          p 129 A86-23718
               flying - A method for deriving unique system
                                          p 143 A86-23738
              valuation of four measures of pilot workload
                                          p 130 A86-23745
              of reflective SWAT for workload assessment
              ve Workload Assessment Technique
                                          D 144 A86-23747
              nd psychological surveillance of student pilots
              nning of training p 111 A86-24501
problems encountered by a squadron flight
p 112 A86-24502
              roblems posed by the medical surveillance of
              sed to high levels of acceleration
                                          p 112 A86-24503
              nological problems linked to helicopter flight p 112 A86-24504
              st of the color vision of professiona
               p 112 A86-24505
serious otitis in a reconnaissance pilot - The
              es for his career
                                          p 112 A86-24506
              roid nodule - Statistical data and aeronautical
                                         p 112 A86-24507
              chological aspects of air sickness
              p 131 A86-24508
nd duodenal ulcers and the flight fitness of
                                         D 113 A86-24500
              ot's behavior of detecting a system parameter
              p 145 A86-25229
a in fighter pilots after high +Gz exposure
               danger, joy and fear --- pilot motivation and
                                         p 131 A86-25655
                automation decisions
              R 841471]
                                         p 145 A86-26002
               k design methodology using computerized
               ric models
              3 8414721
                                         p 146 A86-26003
               ations to military pilot decision aiding - A
              on transition
              8415331
                                         p 146 A86-26004
               in the cockpit - Who's in charge?
              R 841534]
                                         p 146
                                                A86-26005
               ribration on the readability of color CRT
              8414661
                                         p 146
              e workload and individual differences in
              processing abilities
               8414911
                                         p 132 A86-26011
              pilot workload measurement techniques used
               single seat night attack test program
               841492]
                                        p 146
              fighter technology integration (AFTI) F-16 -
              rface
               8416331
                                         p 146 A86-26018
               ligital altimetry on pilot workload
               8414891
                                        p 132 A86-26019
               on to fly --- by aircraft pilots
               841613]
                                        p 132 A86-26024
              physiological and mental stress on crew i relatively long flight by C-1 jet transport
              p 161 A86-28100
nning behavior p 178 A86-28452
nead-down transition - Measurement of
                                        p 161
                                       p 186 A86-29092
             helicopter control force inputs during in-flight
emergency
             conditions as a function of aviator
  perience p 236 A86-29852
Vision in spatial disorientation (SDO) and loss of
situational awareness
                                        p 226 A86-29853
  Pilot usage of decoupled flight path and pitch controls
                                        p 236 A86-29854
  Helicopter-control-referenced strength capabilities of
small individuals
                                       p 213 A86-29855
```

Speech variability effects on recognition accuracy associated with concurrent task performance by pilots p 237 A86-29860

The effect of using speech generation and recognition systems on the performance of discrete tasks

A86-29863 Comparison of novice and experienced pilots using p 227 A86-29865 analog and digital flight displays Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867

Can pilots time-share better than non-pilots?

p 238 A86-29874 Relative contributions of SWAT dimensions to overall subjective workload ratings --- Subjective Workload Assessment Technique p 238 A86-29876 Subjective assessment of pilot workload in the advanced fighter cockpit p 238 A86-29878 Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880 Time-sharing revised - Test of a componential model for the assessment of individual differences

p 239 A86-29881

In search of a time-sharing ability in zero input tracking analyzer scores --- of pilot psychomotor performance

p 227 A86-29882 The Stemberg memory search task as an index of pilot

p 227 A86-29883 Reliability of military pilots - Problems and prospects

The social-psychological aspects of pilot-error - Male p 228 A86-29885 vs female of critical in-flight methodology n 228 A86-29886 Private pilot judgment training in flight school settings p 228 A86-29890 demonstration project When should pilot discipline end and pilot savvy p 228 A86-2989 The attitude and information components of the risk assessment-judgement process --- of aircraft pilots

p 229 A86-29892 Cockpit speech interference considerations

p 229 A86-29895 The role of fundamental expression in instrument flight performance p 229 A86-29896 An analysis of the dearth of assertiveness by subordinate

p 229 A86-29897 Cockpit resource management - Where do we stand?

p 229 A86-29898 Cockpit resource management - Exploring the p 229 A86-29899 attitude-performance linkage Formula for a better understanding of pilot erformance p 230 A86-29900 performance The effects of preview period on descent detection

p 230 A86-29902 Increasing sensitivity to optical information specifying

p 230 A86-29904 loss in altitude Altitude estimation of pilot and non-pilot observers using p 230 A86-29905 real-world scenes

An exploratory study of computer-based aviator p 231 A86-29909 testina Test anxiety in the simulator environment

p 231 A86-29910

A control theory model of aviator behavior

p 232 A86-29913 Professional flightcrew human resource development

Developing a Needs Assessment Programme p 232 A86-29915

Comparison of the effects of atropine sulfate and ethanol on performance p 232 A86-29923 Psychological recovery after incidents and accidents p 232 A86-29924 within aviation Fitness-for-duty, a pilot's viewpoint

p 232 A86-29925 Progress in human performance accident investigation p 233 A86-29932

Perceptual 'traps' of the visual system

p 233 A86-30360 Bigness is in the eye of the beholder --- size and distance perception of pilots in flight p 233 A86-31820

The functional age profile - An objective decision criterion for the assessment of pilot performance capacities and p 234 A86-31823 A unifying approach to human pilot modelling

p 241 A86-33187 Mild hypoxia and visual performance with night vision

goggles p 249 A86-33755 Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt p 250 A86-33757

Systolic blood pressure in fighter pilots after 12-15 years p 250 A86-33762

There's a voice in the sky - But can a picture tell you more? --- comparison between synthesized speech and visual displays in presenting information in cockpits p 266 A86-33781

Eye-scan behavior in a flight simulation task as a function p 260 A86-33794 of level of training Pro-SWAT applied to advanced helicopter crew station p 267 A86-33795 Learning and performance in an air refueling part-task p 260 A86-33796 trainer - Preliminary data analysis Shadow mask display visibility - Human thresholds for perception of misconvergence effects

p 268 A86-33798 Assessment of task proficiency in Air Force OJT --n-the-Job-Training p 260 A86-33806 On-the-Job-Training An investigation of the 'von Restorff' phenomenon in p 261 A86-33807 post-test workload ratings

The effect of varying task difficulty on subjective p 261 A86-33808 Training characteristics of the Criterion Task Set

workload assessment battery p 261 A86-33809 Timebased analysis of significant coordinated operations (TASCO) - A cockpit workload analysis p 268 A86-33810 technique Rule-based analysis of pilot decisions

p 261 A86-33816

An automated methodology for conducting human factors evaluations of protective garments p 268 A86-33817

The use of brain evoked response in a critical event detection task p 261 A86-33819 A hierarchical model of pilot's procedural behavior for p 263 A86-33983 cockpit workload analysis Evaluation of precordial mapping before and after

submaximal exercise amongst normal and asymptomatic subjects with non specific ST-T abnormalities p 251 A86-35290

Aerospace Behavioral Engineering Technology Conference, 4th, Long Beach, CA, October 14-17, 1985, Proceedings

[SAE P-168] p 269 A86-35426 Mental fitness for duty and control of arousal state [SAE PAPER 851778] p 263 A86-35429 Cockpit automation - Design and implementation

[SAE PAPER 8519211 p 270 A86-35431 Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432

Pilot speech performance while talking to a speech recognizer and flying a competitive helicopter pursuit [SAE PAPER 851779] p 264 A86-35441

Realistic training for effective crew performance [SAE PAPER 851916] p 264 A86-35446 Assessment of simulation fidelity using measurements

p 264 A86-35667 of piloting technique in flight. Il An integrated display for vertical and translational flight Eight factors affecting pilot performance

p 264 A86-36175 Controlling of pilot work capacity by psychosomatic p 265 A86-36500 self-regulation techniques The stress syndrome --- effects on pilot performance

p 290 A86-37276 Quantification of pilot fatigue - A new approach to a p 376 A86-40231 crucial problem The importance of stereoscopic imagery in flight p 383 A86-40483 Intraventricular conduction disturbances in flying personnel Right bundle branch block

p 378 A86-41788 p 395 A86-44092 Low back pain in pilots Diffuse pulmonary ossification and spontaneous pneumothorax in a pilot - A case report

p 395 A86-44093 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status

p 396 A86-44097 G-induced loss of consciousness - Combat aircraft pilots head for trouble p 396 A86-44814 The effect of high temperature on the heat exchange

p 397 A86-45325 and the nutritional status of pilots A model of the human's use of visual field cues in nap-of-the-earth flight

[AIAA PAPER 86-2252] p 426 A86-4749A Application of the method of problem taxonomy to the simulation of human service reliability in the manual

steering of aircraft
[MBB-LKE-301/S/PUB/216]
Investigating the ocular fixation p 432 A86-47771 of targets as an anthropotechnical research method in man-machine p 433 A86-47772

Ergometric examination of the cardiovascular system A86-49370 in flight personnel p 421 Mild hypoxia and visual performance with night vision goggles

[AD-A156969] p 23 N86-10787 Pilot-oriented performance measurement [AD-A158849] p 40 N86-13890

Effects of digital altimetry on pilot workload p 42 N86-13892 [NASA-TM-86424]

Voice analyzer for evaluating pilot's condition

n 64 N86-14886 Theoretical and experimental analysis of pilot failure detection behavior during various automatic approach conditions

[NLR-MP-83025-U] p 72 N86-14895 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 p 65 N86-15866 Investigation of factors determining pilot's geocentric orientation o 72 N86-15868 Effect of threat stress on psychomotor stability of pilots

p 72 N86-15869 differing in anxiety level Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism p 65 of flight personnel Effect of time span and task load on pilot mental

workload [NASA-CR-177388] p 99 N86-16901

The biomorphic model of the human pilot
/TH-LR-310] p 100 N86-17991 [VTH-LR-310]

An analysis of visual tasks in helicopter shipboard landing [AD-A161101] p 136 N86-19903

Spatial illusions of vestibular genesis during flights in p 172 N86-21115 aircraft A multiple-regression model of pilot performance in

vertical and translational flight [AD-A161364] p 188 N86-22115 Antiemetic drugs and pilot performance
[AD-A162109] p 2

p 224 N86-24200 Particular problems of airworthiness from p 283 N86-26812 ophthalmological view Contact lenses for pilots and aircrew in the services

p 284 N86-26815 Human factors: The Cinderella discipline in cockpit p 294 N86-26825 interface design Changes in Naval Aviation Basic Instrument flight

training: An analysis [AD-A164738] p 291 N86-26830 A model and experimental analysis of pilot decision making behavior for various automatic approach

(NLR-TR-84037-U) p 292 N86-26835 Psychoemotional pilot stress prior to ejection and its p 292 N86-27881 role in appropriate performance

Analytical techniques of pilot scanning behavior and their [NASA-TP-2525] p 292 N86-27920 Effect of time span and task load on pilot mental

[NASA-CR-177099] p 382 N86-29502 Hesitations in continuous tracking induced by a concurrent discrete task

[NASA-CR-177019] p 382 N86-29503 Aircrew aspects of United Stated future fighter aircraft p 398 N86-30310

Vision test battery threshold and response time as predictors of air-to-air visual target acquisition in F-14 and p 400 N86-30321 adversary aircraft Relationship of cardiopulmonary fitness

performance in tactical aviation p 401 N86-30326 The importance of specialized cognitive function in the election of military pilots

[AD-A165889] n 404 N86-30330 The effect of breathing elevated CO2 gas mixtures on tracking performance, blood pressure, and subjective tolerance at 1Gz

[AD-A165974] p 401 N86-31210 Operator alertness/workload assessment using stochastic model-based analysis of myoelectric signals [AD-A168567] p 428 N86-32973 assessment using Operator alertness/workload

stochastic model-based analysis of myoelectric signals [AD-A168568] p 429 N86-32974 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground

[DFVLR-MITT-86-01] p 429 N86-32975 The impact of physical and mental tasks on pilot mental

p 437 N86-32982 workoad Pilot interface with fly by wire control systems p 438 N86-32990 Investigation of limb-sidestick dynamic interaction with

p 438 N86-32991 roll control Flight test of a displacement sidearm controller p 439 N86-32992

Anthropometric considerations for a 4-axis side-arm flight controller p 439 N86-32993 A model for the human's use of visual field cues in nap-of-the-Earth flight p 441 N86-33004 Optimal cooperative control synthesis of active p 441 N86-33006

displays Modified superposition: A simple time series approach to closed-loop manual controller identification

p 442 N86-33009

A flight test method for pilot/aircraft analysis

p 442 N86-33011	[SAE PAPER 851916] p 264 A86-35446	Climatic consequences of very high CO2 levels in Earth's
Closed-loop, pilot/vehicle analysis of the approach and	The case for training for the potentially catastrophic	earry atmosphere p 308 N86-26904
landing task D 442 NR6-33013	situation	PLANKTON
PILOT SELECTION	[SAE PAPER 851917] 0.264 ARE 25447	The role of reabsorption in the spectral distribution of
Airline pilot disability - The continued experience of a	The effects of syntactic complexity on the	Phytoplankton fluorescence emission in 50 Agg_1ggg/
major U.S. airline p.8 A86_10261	TUTHER-COMPUTER INTERESTOR D 271 AGE 26170	Microplankton species assemblades at the Scrippe Dior
Task parameters affecting individual differences in	Controlling of pilot work capacity by psychosometic	from March to November 1983 during the 1982-1984 El
pursuit and compensatory tracking performance	SOIL-TOYULATION TOCHNIQUES IN 265 ARE-36500	NINO event n 207 ARE 21922
p 95 A86-20972	The significance of recurrent childhood respirators	Demonstration and role of chemoreception in the marine
An examination of ability requirements for various rotary	GISOTORIS IN THORIC TRAINING ADDITION TO 305 ARE 44005	zooplankton
wing missions p 128 A86-23716	The helicopter to fixed wing conversion program: A	[DRIC-T-7456] p 209 N86-23217
Productivity and difficulty as new criteria for validating aviator selection tests p.128 A86-23717	Chical review	The effects of Bis (tri-n-butyltin) oxide on three species
aviator selection tests p 128 A86-23717	[AD-A156820] p 42 N86-12968	of marine phytoplankton [AD-A162115] n.212 N86-24198
Canadian automated pilot selection system	Changes in Naval Aviation Basic Instrument flight	PLANT ROOTS p 212 N86-24188
p 231 A86-29908 Micropat - A progress report on the validation of an	daning. An analysis	Gravistimulation-induced changes in current patterns
automated test battery for pilot selection	[AD-A164738] p 291 N86-26830	around root caps p 196 A86-30411
P 231 A86-29911	Analytical techniques of pilot scanning behavior and their	around root caps p 196 A86-30411 Cytochemical localization of calcium in cap cells of
Training of cosmonauts and experience during space	application	primary roots of Zea mays L p 197 A86-30418
flight p 263 A86-35286	[NASA-TP-2525] p 292 N86-27920	primary roots of Zea mays L p 197 A86-30418 Immunocytochemical localization of calmodulin in pea
Longitudinal study of cardiovascular disease in U.S. Navy	The importance of specialized cognitive function in the	root caps and plumules and its relevance to hypothesis
pilots p 253 A86-36314	selection of military pilots	on gravitropism p 197 A86-30419
Central serous retinopathy (choroidopathy) in pilots	[AD-A165889] p 404 N86-30330	Effects of norflurazon on the levels of abscisic acid and
p 254 A86-36317	Multitask performance: Predicting success in Naval	xanthoxin in caps of gravistimulated roots of maize
Review of book on principles of aviation psychology	Aviation primary flight training	p 197 A86-30420
p 235 N86-23261	[AD-A168246] p 428 N86-32972 PILOTS	The calcium dependence of auxin action in roots
Medical Selection and Physiological Training of Future		p 197 A86-30421
Fighter Aircrew	Development of an automated anthropometric data	Correlated changes in calmodulin activity and gravitropic
LACARD OD Assa	measurement system (AADMS) p 144 A86-23748	sensitivity in roots of maize p 197 A86-30422
[AGARD-CP-396] p 398 N86-30309 Selection and medical testing of Mirage 2000 pilots:	PILOTS (PERSONNEL)	Nitrogen uptake and utilization by intact plants
Report of echocardiography p 399 N86-30314	Development of a hierarchical multiprocessor control for	p 153 N86-19941
The vertebral column: Selection and aptitude of combat	a polyarticulated mechanical structure used to study human	PLANT STRESS
	operators subjected to vibrations French thesis	Experiments with developing plants aboard Salyut-5,
Systematic radiographic examination of the spine for	D 433 A86-48553	Salyut-6 and Salyut-7 oribital stations
selection of F-16 pilots: A preliminary report	Age-related changes in electroencephalograms of	
processor of 1-10 pilots. A preliminary report	pilots p 62 N86-14867	PLANTS (BOTANY) p 279 N86-27891
p 401 N86-30323 Treadmill spiroergometry in the selection and screening	Voice analyzer for evaluating pilot's condition	Phylogenetic origins of the plant mitochondrion based
of high-performance combat aircraft pilots in the Beligan	p 64 N86-14886	on a comparative analysis of 5S ribosomal RNA
Air Force	Comparison of the Air Force female and male pilot	Sequences 01 55 noosomal HNA
Air Force p 401 N86-30325 The importance of specialized cognitive function in the	grounded time in the Air Force Military Airlift Command	sequences p 2 A86-12002 Artificial closed ecosystem 'man-plants' with a full
selection of military pilots	[AD-A158093] n 68 Ngc 15000	regeneration of atmosphere, water and ration vegetable
CAD Adoroses	Visual sensitivities and discriminations and their roles	part vegetable
PILOT TRAINING p 404 N86-30330	in aviation	MAT DADES AS ASSAULT
Behavioral Airsickness Management program for	[AD-A158962] p 69 N86-15907	Simulation model for plant growth in controlled
student pilots	A comparison of postmortern coronary atherosclerosis	environment systems
FAD ALGUAGOS	findings in general aviation pilot fatalities	FOAT BARRY 1-1-1
Psychological states of student pilots in flight training	[AD-A159811] p 93 N86-17982	[SAE PAPER 851390] p 104 A86-23568 The C23A system, an example of quantitative control
	Assessing the health risks of carrier landings in US Navy	of plant growth associated with a data base
p 41 A86-13943 Changes of flying skills during non-flight periods	pilots	
	[AD-A160928] p 127 N86-19891	[SAE PAPEH 851395] p 104 A86-23572 Investigations of higher plants under weightlessness
p 41 A86-13944 Naval Training Command mishaps and instructor	Drugs of abuse in aviation fatalities. 1: Marijuana	
	[AD-A161911] p 223 N86-24196	p 192 A86-30388 Effects of simulated gravity nullification on
p 94 A86-20409 Medical control of the aircrew during a retraining	US Air Force combat psychiatry	Effects of simulated gravity nullification on shoot-inversion release of apical dominance in Pharbitis
	[AD-A165011] p 292 N86-27921	nil n 196 Age 20410
An evaluation of aviator training ability requirements	The effects of expressivity and flight task on cockpit	Plant growth responses to atmosphere and other
scale ratings p 128 A86-23716	communication and resource management	environmental variables in the Space Shuttle Plant Growth
scale ratings p 128 A86-23715 Conserving instructional training resources through use	[NASA-CR-177036] p 383 N86-29505	Unit page 20415
of the first detection at training resources through tise	PIPES (TUBES)	Unit p 196 A86-30415 Effects of clinostat rotation on Aurelia statolith
of the personalized evetem of instruction		
of the personalized system of instruction	Judgments of natural and anomalous trajectories in the	synthesis p 100 Age 20400
of the personalized system of instruction	Judgments of natural and anomalous trajectories in the presence and absence of motion p. 69 A86-16022	Synthesis n 199 Ass. 2042s
or the personalized system of instruction p 129 A86-23719 The optimum presentation of cognitive training during	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon	Romanian plant produces protein concentrate from
or the personalized system of instruction p 129 A86-23719 The optimum presentation of cognitive training during a flight training program p 130 A86-23731	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction	symnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898	syntnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND	syntnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND Effect of weightlessness on the development of	syntnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 investigation of microflora of chufa. a potential higher
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training p 131 A86-23744	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND Effect of weightlessness on the development of neurosecretory structures of the	synthesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training p 131 A86-23749  Some problems in flight mechanics with respect to flight	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain	syntness p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man p 57 N86-15882
The optimum presentation of cognitive training during a flight training program p 130 A86-23711  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training p 131 A86-23749  Some problems in flight mechanics with respect to flight safety p 131 A86-23779	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A88-29174	syntnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man Cytogenetic changes in cells of lettuce specifions with
The optimum presentation of cognitive training during a flight training program p 130 A86-23731. The use of accident statistics to influence simulator design p 144 A86-23744. Part-training strategies in simulated carrier landing final approach training p 131 A86-23749. Some problems in flight mechanics with respect to flight safety p 131 A86-23772. Clinical and psychological surveillance of student pilots.	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES	syntnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam
The optimum presentation p 129 A86-23719  The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training p 131 A86-23749  Some problems in flight mechanics with respect to flight safety  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-23772	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES Microgravity associated changes in pituitary growth	syntnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam
The optimum presentation of cognitive training during a flight training program p 130 A86-23731. The use of accident statistics to influence simulator design p 144 A86-23744. Part-training strategies in simulated carrier landing final approach training p 131 A86-23749. Some problems in flight mechanics with respect to flight safety p 131 A86-23772. Clinical and psychological surveillance of student pilots.	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth homone (GH) cells prepared from rats flown on Space	synthesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CFLSS
The optimum presentation of cognitive training during a flight training program p 130 A86-23711  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training p 131 A86-23744  Some problems in flight mechanics with respect to flight safety p 131 A86-23772  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501  The training and certification of the general aviation pilot	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459	synthesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop
The optimum presentation p 129 A86-23719  The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training  Some problems in flight mechanics with respect to flight safety  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24701  The training and certification of the general aviation pilot  [SAE PAPER 841468]	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3  Effect of hydration on plasma vasopressin, renin and	synness p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training  Some problems in flight mechanics with respect to flight safety p 131 A86-23772  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501  The training and certification of the general aviation pilot  [SAE PAPER 841468] p 132 A86-26013  Preparing for the unexpected - A psychologist's case	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3  Effect of hydration on plasma vasopressin, renin and	syntnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training p 131 A86-23749  Some problems in flight mechanics with respect to flight safety  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501  The training and certification of the general aviation pilot  [SAE PAPER 841468] p 132 A86-26013  Preparing for the unexpected - A psychologist's case for improved training p 132 A86-2623	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3  Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up titt	syntnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training p 131 A86-23779  Some problems in flight mechanics with respect to flight safety  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501  The training and certification of the general aviation pilot  [SAE PAPER 841468] p 132 A86-26013  Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033  Judgment training effectiveness and permanency	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt	synness p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training strategies in simulated carrier landing final approach training by 131 A86-23749  Some problems in flight mechanics with respect to flight safety p 131 A86-23772  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-23772  The training and certification of the general aviation pilot  [SAE PAPER 841468] p 132 A86-26013  Preparing for the unexpected - A psychologist's case for improved training p 122 A86-26033  Judgment training effectiveness and permanency	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt  P 253 A86-36311 PLANETARY ATMOSPHERES	syntnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training strategies in simulated carrier landing final approach training strategies in simulated carrier landing final approach training by 131 A86-23749  Some problems in flight mechanics with respect to flight safety p 131 A86-23772  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-23772  The training and certification of the general aviation pilot  [SAE PAPER 841468] p 132 A86-26013  Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033  Judgment training effectiveness and permanency  P 228 A86-29888  Recurrent cockpit resource management training at	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PTUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 PTUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt  P 253 A86-36311  PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852	synthesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training p 131 A86-23772  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501  The training and certification of the general aviation pilot  [SAE PAPER 841468] p 132 A86-26013  Preparing for the unexpected - A psychologist's case for improved training affectiveness and permanency p 228 A86-29888  Recurrent cockpit resource management training and care and permanency p 228 A86-29888  United Airlines	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311 PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications	syntnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training strategies in simulated carrier landing final approach training p 131 A86-23772  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501  The training and certification of the general aviation pilot  [SAE PAPER 841468] p 132 A86-26013  Preparing for the unexpected - A psychologist's case for improved training and prepared surveillance of training Judgment training effectiveness and permanency p 228 A86-29888  Recurrent cockpit resource management training at United Airlines p 228 A86-29889  Private pilot judgment training in flight school settings	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3  Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt  p 253 A86-36311  PLANETARY ATMOSPHERES  The Organic aerosols of Titan p 298 N86-26852  The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres	synthesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 131 A86-23744  Part-training strategies in simulated carrier landing final approach training p 131 A86-237749  Some problems in flight mechanics with respect to flight safety p 131 A86-23772  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501  The training and certification of the general aviation pilot  [SAE PAPER 841468] p 132 A86-26013  Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033  Judgment training effectiveness and permanency p 228 A86-29888  Recurrent cockpit resource management training at United Airlines p 228 A86-29889  Private pilot judgment training in flight school settings A demonstration project	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PTUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 PTUITARY HORMONES Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311 PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853	synthesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man p57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19914
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training p 131 A86-23749 Some problems in flight mechanics with respect to flight safety Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Judgment training effectiveness and permanency p 228 A86-29888 Recurrent cockpit resource management training at United Airlines p 228 A86-29889 Private pilot judgment training in flight school settings A demonstration project p 228 A86-29890 Student pilot stress - An emotional barrier to efficient	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311 PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853	Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 p 30 N86-14162 p 10 N86-
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training p 131 A86-23749  Some problems in flight mechanics with respect to flight safety  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24701  The training and certification of the general aviation pilot  [SAE PAPER 841468] p 132 A86-26013  Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033  Judgment training effectiveness and permanency p 228 A86-29888  Recurrent cockpit resource management training at United Airlines private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890  Student pilot stress - An emotional barrier to efficient flight training	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up titt p 253 A86-36311  PLANETARY ATMOSPHERES  The Organic aerosols of Titan p 298 N86-26852 The Organic aerosols of Titan p 298 N86-26853 PLANETARY ENVIRONMENTS  Publications of the exobiology program for 1984: A	syntnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19914 Plan for CELSS test bed project p 149 N86-19914 Plan for CELSS test bed project p 149 N86-19914 Plan for CELSS test bed project p 149 N86-19914
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training strategies in simulated carrier landing final approach training b 131 A86-23749 Some problems in flight mechanics with respect to flight safety Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24701 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Judgment training effectiveness and permanency p 228 A86-29888 Recurrent cockpit resource management training at United Airlines private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 Student pilot stress - An emotional barrier to efficient flight training p 231 A86-29912 Eye-scan behavior in a flight simulation task as a function	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt  p 253 A86-36311 PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853 PLANETARY ENVIRONMENTS  Publications of the exobiology program for 1984: A special bibliography	Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19914 Plan for CELSS test bed project p 149 N86-19915 Cyparational development of small plant growth
The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The optimum presentation of cognitive training during a flight training program p 130 A86-23731  The use of accident statistics to influence simulator design p 144 A86-23744  Part-training strategies in simulated carrier landing final approach training p 131 A86-23749  Some problems in flight mechanics with respect to flight safety p 131 A86-23772  Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501  The training and certification of the general aviation pilot  [SAE PAPER 841468] p 132 A86-26013  Preparing for the unexpected - A psychologist's case for improved training effectiveness and permanency p 132 A86-26033  Judgment training effectiveness and permanency p 228 A86-29888  Recurrent cockpit resource management training at United Airlines p 228 A86-29889  Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890  Student pilot stress - An emotional barrier to efficient flight training p 231 A86-29912  Eye-scan behavior in a flight simulation task as a function of level of training	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311 PLANETARY ATMOSPHERES The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853 PLANETARY ENVIRONMENTS Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150	syntness p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19916 Operational development of small plant growth Systems p 149 N86-19916
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training p 131 A86-23749 Some problems in flight mechanics with respect to flight safety p 131 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training and p 132 A86-26033 Judgment training effectiveness and permanency p 228 A86-29888 Recurrent cockpit resource management training at United Airlines p 228 A86-29889 Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 Student pilot stress - An emotional barrier to efficient flight training p 231 A86-29912 Eye-scan behavior in a flight simulation task as a function of level of training and performance in an air refuelling part-task	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311 PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853 PLANETARY ENVIRONMENTS  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150 PLANETARY EVOLUTION	syntness P 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19915 Plant growth chamber M design p 149 N86-19915 Plant growth chamber M design p 149 N86-19917 Electrochemical control of pH in a hydroponic nutrient
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training p 131 A86-237749 Some problems in flight mechanics with respect to flight safety Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Judgment training effectiveness and permanency p 228 A86-29888 Recurrent cockpit resource management training at United Airlines p 228 A86-29889 Private pilot judgment training in flight school settings A demonstration project p 228 A86-29890 Student pilot stress - An emotional barrier to efficient flight training p 260 A86-33794 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 200 A86-33794	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up titt p 253 A86-36311  PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The organic aerosols of Titan p 298 N86-26853 PLANETARY Environments  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150 PLANETARY EVOLUTION  Habitability of the early earth - Clues from the physiology	syntnesis p 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 [NASA-TM-88215] p 148 N86-19910 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19915 Plant growth chamber M design p 149 N86-19915 Plant growth chamber M design p 149 N86-19917 Electrochemical control of pH in a hydroponic nutrient solution p 150 N86-19917
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training p 131 A86-23779 Some problems in flight mechanics with respect to flight safety Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Judgment training effectiveness and permanency p 228 A86-29889 Private pilot judgment training in flight school settings A demonstration project p 228 A86-29890 Student pilot stress - An emotional barrier to efficient flight training p 260 A86-33794 Learning and performance in an air refueling part-task trainer - Preliminary data analysis A seessment of task proficiency in Air Force OUT	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PTUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 PTUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311  PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853  PLANETARY ENVIRONMENTS  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150  PLANETARY EVOLUTION  Habitability of the early earth - Clues from the physiology of nitrogen fixation and photosynthesis	Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-1990 [NASA-TM-88215] p 148 N86-19910 [NASA-TM-88215] p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19915 Plant growth chamber M design p 149 N86-19915 Plant growth chamber M design p 149 N86-19917 Electrochemical control of pH in a hydroponic nutrient solution p 150 N86-19918 An engineering analysis of a closed cycle plant growth
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training p 131 A86-23749 Some problems in flight mechanics with respect to flight safety p 131 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Judgment training effectiveness and permanency p 228 A86-29888 Recurrent cockpit resource management training at United Airlines private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 Student pilot stress - An emotional barrier to efficient flight training p 231 A86-29912 Eye-scan behavior in a flight simulation task as a function of level of training and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Assessment of task proficiency in Air Force OJT On-the-Job-Training p 234	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311 PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853 PLANETARY ENVIRONMENTS  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150 PLANETARY EVOLUTION  Habitability of the early earth - Clues from the physiology of nitrogen fixation and photosynthesis	Romanian plant produces protein concentrate from paraffin-nourished yeasts p4 N86-10741 Energy exchange of plants under weightlessness conditions p30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p149 N86-19912 Simulation model for plant growth in controlled environment systems p149 N86-19915 Plant growth chamber M design p149 N86-19916 Operational development of small plant growth systems p149 N86-19917 Electrochemical control of pH in a hydroponic nutrient solution An engineering analysis of a closed cycle plant growth module
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training p 131 A86-23749 Some problems in flight mechanics with respect to flight safety p 131 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Judgment training effectiveness and permanency p 228 A86-29888 Recurrent cockpit resource management training at United Airlines private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 Student pilot stress - An emotional barrier to efficient flight training p 231 A86-29912 Eye-scan behavior in a flight simulation task as a function of level of training p 260 A86-33794 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Assessment of task proficiency in Air Force OJT On-the-Job-Training p 260 A86-33906 Training characteristics of the Criterion Task Set	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311 PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853 PLANETARY ENVIRONMENTS  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88882] p 189 N86-21150 PLANETARY EVOLUTION  Habitability of the early earth - Clues from the physiology of nitrogen fixation and photosynthesis p 25 A86-14117 Survival of the Jovian planets with the sun a Red	syntnesis P 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 [NASA-TM-88215] p 148 N86-19910 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19918 Plan for CELSS test bed project p 149 N86-19919 Plant growth chamber M design p 149 N86-19919 Operational development of small plant growth systems p 149 N86-19917 Electrochemical control of pH in a hydroponic nutrient solution p 150 N86-19919 CELSS science needs p 151 N86-19919 CELSS science needs
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training Some problems in flight mechanics with respect to flight safety Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training effectiveness and permanency Judgment training effectiveness and permanency p 228 A86-29888 Recurrent cockpit resource management training at United Airlines p 228 A86-29889 Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29899 Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29912 Eye-scan behavior in a flight simulation task as a function of level of training p 260 A86-33794 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Assessment of task proficiency in Air Force OJT On-the-Job-Training p 260 A86-33806 Training characteristics of the Criterion Task Set	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PTUTITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 PTUTITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311  PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853  PLANETARY ENVIRONMENTS  Publications of the exbiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150  PLANETARY EVOLUTION  Habitability of the early earth - Clues from the physiology of nitrogen fixation and photosynthesis  p 25 A86-14117  Survival of the Jovian planets with the sun a Red Giant p 101 A86-21644	syntness P 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19915 Plant growth chamber M design p 149 N86-19915 Plant growth chamber M design p 149 N86-19917 Electrochemical control of pH in a hydroponic nutrient solution p 150 N86-19918 An engineering analysis of a closed cycle plant growth module p 150 N86-19919 CELSS science needs p 151 N86-19919 CELSS science needs p 151 N86-19926 Optimization of controlled environments for hydroposic
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training strategies in simulated carrier landing final approach training strategies in simulated carrier landing final approach training p p 131 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p p 131 A86-24501 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training p p 132 A86-29803 Judgment training effectiveness and permanency p 228 A86-29888 Recurrent cockpit resource management training at United Airlines Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29899 Student pilot stress - An emotional barrier to efficient flight training p 231 A86-29912 Eye-scan behavior in a flight simulation task as a function of level of training p 231 A86-29912 Eye-scan behavior in a flight simulation task as a function of level of training p 260 A86-33796 Assessment of task proficiency in Air Force OJT On-the-Job-Training p 260 A86-33906 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33806	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311 PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853 PLANETARY ENVIRONMENTS  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150 PLANETARY EVOLUTION  Habitability of the early earth - Clues from the physiology of nitrogen fixation and photosynthesis p 25 A86-14117 Survival of the Jovian planets with the sun a Red Giant p 101 A86-21644 Shklovskiy discusses possibility of extraterrestrial	Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for man p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19915 Plant growth chamber M design p 149 N86-19916 Operational development of small plant growth systems p 149 N86-19917 Electrochemical control of pH in a hydroponic nutrient solution p 150 N86-19918 An engineering analysis of a closed cycle plant growth module p 150 N86-19919 CELSS science needs p 151 N86-19919 CELSS controlled environments for hydroponic production of leaf lettuce for human life support in
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training strategies in simulated carrier landing final approach training strategies in simulated carrier landing final approach training p 131 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 131 A86-24501 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033 Judgment training effectiveness and permanency p 228 A86-29888 Recurrent cockpit resource management training at United Airlines private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 Student pilot stress - An emotional barrier to efficient flight training and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33794 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Assessment of task proficiency in Air Force OJT On-the-Job-Training p 261 A86-33806 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809 Future directions for cost effective Air Force aircrew training - Managed technology and the training system	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GiH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311 PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853 PLANETARY ENVIRONMENTS  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150 PLANETARY EVOLUTION  Habitability of the early earth - Clues from the physiology of nitrogen fixation and photosynthesis p 25 A86-14117 Survival of the Jovian planets with the sun a Red Giant p 101 A86-21644 Shklovskiy discusses possibility of extraetrestrial intelligence p 157 N86-20444	syntnesis P 199 A86-30436 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19916 Plant growth chamber M design p 149 N86-19916 Operational development of small plant growth systems p 149 N86-19917 Electrochemical control of pH in a hydroponic nutrient solution p 150 N86-19918 An engineering analysis of a closed cycle plant growth module p 150 N86-19918 CELSS science needs p 151 N86-19925 Optimization of controlled environments for hydroponic production of leaf lettuce for human life support in CELSS
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training p 131 A86-23749 Some problems in flight mechanics with respect to flight safety p 131 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training effectiveness and permanency p 228 A86-29888 Recurrent cockpit resource management training at United Airlines p 228 A86-29889 Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29889 Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29899 Private pilot stress - An emotional barrier to efficient flight training p 260 A86-33794 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Assessment of task proficiency in Air Force OJT On-the-Job-Training p 261 A86-33806 Training characteristics of the Criterion Task Set workload assessment battery p 281 A86-33809 Future directions for cost effective Air Force aircrew training - Managed technology and the training system	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311 PLANETARY ATMOSPHERES  The Organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853 PLANETARY ENVIRONMENTS  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150 PLANETARY EVOLUTION  Habitability of the early earth - Clues from the physiology of nitrogen fixation and photosynthesis p 25 A86-14117 Survival of the Jovian planets with the sun a Red Giant p 101 A86-21644 Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 Second Symposium on Chemical Evolution and the	Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 [NASA-TM-88215] p 148 N86-19910 [NASA-TM-88215] p 148 N86-19910 [NASA-TM-88215] p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19916 Plant growth chamber M design p 149 N86-19916 Operational development of small plant growth systems p 149 N86-19917 Electrochemical control of pH in a hydroponic nutrient solution p 150 N86-19918 An engineering analysis of a closed cycle plant growth module p 150 N86-19918 CELSS science needs p 151 N86-19915 Optimization of controlled environments for hydroponic production of leaf lettuce for human life support in CELSS Losed culture plant studies: Implications for CELSS Implications in Implications for CELSS Implications for CELSS Implications Implications for CELSS Implications Implications for CELSS Implications Implicat
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training Some problems in flight mechanics with respect to flight safety p 131 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training effectiveness and permanency p 132 A86-26033 Judgment training effectiveness and permanency p 228 A86-29888 Recurrent cockpit resource management training at United Airlines p 228 A86-29889 Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29899 Student pilot stress - An emotional barrier to efficient flight training p 260 A86-33794 Learning and performance in an air refuelling part-task trainer - Preliminary data analysis p 260 A86-33796 Assessment of task proficiency in Air Force OJT On-the-Job-Training p 260 A86-33800 Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33800 Future directions for cost effective Air Force aircrew training - Managed technology and the training system p 262 A86-33830	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311 PLANETARY ATMOSPHERES  The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853 PLANETARY ENVIRONMENTS  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150 PLANETARY EVOLUTION  Habitability of the early earth - Clues from the physiology of nitrogen fixation and photosynthesis p 25 A86-14117 Survival of the Jovian planets with the sun a Red Giant p 101 A86-21644 Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 Second Symposium on Chernical Evolution and the Origin of Life	Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19914 Plant growth chamber M design p 149 N86-19918 Operational development of small plant growth systems P 149 N86-19918 Coperational development of small plant growth systems Electrochemical control of pH in a hydroponic nutrient solution p 150 N86-19918 CELSS science needs p 151 N86-19915 CPLSS Science needs p 151 N86-19925 Optimization of controlled environments for hydroponic production of leaf lettuce for human life support in CELSS Closed culture plant studies: Implications for CELSS CLOSED (2152 N86-19936) Closed culture plant studies: Implications for CELSS N86-19936
The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The optimum presentation of cognitive training during a flight training program p 130 A86-23731 The use of accident statistics to influence simulator design p 144 A86-23744 Part-training strategies in simulated carrier landing final approach training p 131 A86-23749 Some problems in flight mechanics with respect to flight safety p 131 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-23772 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501 The training and certification of the general aviation pilot [SAE PAPER 841468] p 132 A86-26013 Preparing for the unexpected - A psychologist's case for improved training effectiveness and permanency p 228 A86-29888 Recurrent cockpit resource management training at United Airlines p 228 A86-29889 Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29889 Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29899 Private pilot stress - An emotional barrier to efficient flight training p 260 A86-33794 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Assessment of task proficiency in Air Force OJT On-the-Job-Training p 261 A86-33806 Training characteristics of the Criterion Task Set workload assessment battery p 281 A86-33809 Future directions for cost effective Air Force aircrew training - Managed technology and the training system	Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of a carbon formation reactor for carbon dioxide reduction [NASA-CR-171907] p 46 N86-13898 PITUITARY GLAND  Effect of weightlessness on the development of neurosecretory structures of the rat brain (Electron-microscope study) p 157 A86-29174 PITUITARY HORMONES  Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt p 253 A86-36311 PLANETARY ATMOSPHERES  The Organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres p 298 N86-26853 PLANETARY ENVIRONMENTS  Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150 PLANETARY EVOLUTION  Habitability of the early earth - Clues from the physiology of nitrogen fixation and photosynthesis p 25 A86-14117 Survival of the Jovian planets with the sun a Red Giant p 101 A86-21644 Shklovskiy discusses possibility of extraterrestrial intelligence p 157 N86-20444 Second Symposium on Chemical Evolution and the	Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Energy exchange of plants under weightlessness conditions p 30 N86-14162 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906 [NASA-TM-88215] p 148 N86-19910 [NASA-TM-88215] p 148 N86-19910 [NASA-TM-88215] p 148 N86-19911 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912 Simulation model for plant growth in controlled environment systems p 149 N86-19916 Plant growth chamber M design p 149 N86-19916 Operational development of small plant growth systems p 149 N86-19917 Electrochemical control of pH in a hydroponic nutrient solution p 150 N86-19918 An engineering analysis of a closed cycle plant growth module p 150 N86-19918 CELSS science needs p 151 N86-19915 Optimization of controlled environments for hydroponic production of leaf lettuce for human life support in CELSS Losed culture plant studies: Implications for CELSS Implications in Implications for CELSS Implications for CELSS Implications Implications for CELSS Implications Implications for CELSS Implications Implicat

Realistic training for effective crew performance

Capacity for work and hemodynamics in males residing

The lunar nodal tide and the distance to the Moon during p 305 N86-26886

Recent progress in Precambrian paleobiology p 305 N86-26887

the Precambrian era

Nitrogen uptake and utilization by intact plants p 153 N86-19941	POLLUTION MONITORING  What in human biometeorology can contribute to	Capacity for work and hemodynamics in males residing at middle and high latitudes p 13 N86-10747
The role of plant disease in the development of	assessment of the effects of hazardous substances on	Proceedings: Protons and Membrane Reactions held
controlled ecological life support systems	health? p 168 N86-21043 POLLUTION TRANSPORT	at Santa Barbara, California on 28 January - 1 February 1985
p 153 N86-19942 Role of Ca(2+)/calmodulin in phosphorylation of	The role of the oceans in the atmospheric cycle of	[AD-A161331] p 159 N86-22082
proteins in plants	carbonyl sulfide p 277 N86-26796	Spatiotemporal characteristics of visual localization
[DE86-001804] p 158 N86-21099 Greenhouses with curvilinear planting surface	POLYCYTHEMIA	[AD-A166097] p 404 N86-30331 POSITION ERRORS
p 159 N86-21132	Effects of hemodilution on O2 transport in high-altitude polycythemia p 37 A86-16053	Path error-neglection in straight lane driving
Use of membrane vesicles as a simplified system for	POLYMER CHEMISTRY	[IZF-1984-32] p 20 N86-10783 POSITION SENSING
studying transport of auxin [DE86-002264] p 209 N86-23219	Template-directed oligonucleotide ligation on	On-orbit manipulators - Sensory and control
Annual report and summaries of FY 1985 activities	hydroxylapatite p 393 A86-45960 Artificial vaccines and stimulation of immunity	approaches
supported by the Division of Biological Energy Research	p 219 N86-23238	[AIAA PAPER 86-2185] p 429 A86-47467 POSITRONIUM
[DE85-009132] p 209 N86-23220 Production of gene bank from cotton plant chloroplast	POLYMER MATRIX COMPOSITES	Limits on asymmetric orthopositronium formation in high
DNA foi HC/MF p 210 N86-23228	Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment	Z optically active molecules p 189 A86-28724
Paleosols and the chemical evolution of the atmosphere p 301 N86-26870	[NASA-TM-87149] p 46 N86-13899	POSTMISSION ANALYSIS (SPACECRAFT)  Ames Research Center Life Sciences Payload -
atmosphere p 301 N86-26870  Experiments with developing plants aboard Salyut-5,	POLYMERIZATION	Overview of results of a spaceflight of 24 rats and 2
Salyut-6 and Salyut-7 oribital stations	A note on self-replicating information yielding the chemical origin of life p 48 A86-14774	monkeys [AIAA PAPER 86-0583] p 79 A86-19963
p 279 N86-27891 Reproductive capacity of microflora on polymers used	Biosensors from membrane proteins reconstituted in	POSTURE
in sealed environments p 280 N86-27897	polymerized lipid bilayers	How does skeletal muscle effectively function both in
Modification of cytogenetic and physiological effects of	[AD-D012160] p 248 N86-25974	the case of posture maintenance and twitch movements? p 105 A86-24308
space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624	POLYMERS Further work on sodium montmorillonite as catalyst for	Vestibular and visual control on posture and locomotor
PLASMA DYNAMICS	the polymerization of activated amino acids	equilibrium Book p 183 A86-27671
Fluid-Electrolyte-Mineral interrelations as affecting work	p 301 N86-26868	Circadian variation of volume and concentration of orthostatically shifted fluid p 215 A86-30445
performance [AD-A165325] p 282 N86-26799	POLYMORPHISM Sequence polymorphism of HLA-DR beta 1 alleles	Microvascular flow adjustments with postural changes
PLASTIC PROPERTIES	relating to T cell-recognized determinants	in humans p 215 A86-30448
Cortical plasticity: Theoretical analysis, experimental results	[AD-A160237] p 107 N86-18956 POLYPEPTIDES	A comparison of postural equilibrium effects following exposure to different ground-based flight trainers
[AD-A157965] p 38 N86-12961	Further work on sodium montmorillonite as catalyst for	p 418 A86-47754
Function-dependent plasticity in the nervous system	the polymerization of activated amino acids	Fluid and protein shifts after postural changes in
p 389 N86-29528 PLATELETS	p 301 N86-26868 POLYSACCHARIDES	humans p 421 A86-49523 Some dominant frequencies of postural tremor are lower
Microcirculation and cellular hemostasis in men with	Molecular and biological properties of an	at 31 bar p 122 N86-19859
borderline arterial hypertension submitted to	immunopotentiating complex polysaccharide adjuvant produced by a gliding bacterium	Restraint system for waking Macaca mulatta monkeys
neutral-temperature dry immersion in water p 61 N86-14854	[AD-A162664] p 160 N86-22086	during postural tests p 280 N86-27898 POTABLE WATER
Platelet-endothelial function in relation to environmental	Test of erythrocyte antigen diagnostic agent for detecting	Catalytic distillation water recovery subsystem
temperature [AD-A160744] p 116 N86-18970	antibodies to coxiella burnetti p 218 N86-23231 POLYURETHANE RESINS	[NASA-CR-177382] p 99 N86-16902
[AD-A160744] p 116 N86-18970 PLATINUM	Development of an ultrafast-curing wound dressing	Evaluation of water sterilizing tablets [AD-A165806] p 385 N86-28622
Biosynthetic porphyrins and the origin of	[AD-A162471] p 177 N86-22099	Development of thermoelectric water heating-cooling
photosynthesis p 306 N86-26894	POLYVINYL CHLORIDE  The wearing comfort of the PVC: Combat back pack	devices
PLATINUM COMPOUNDS  Anti-trypanosomal activity of platinum coordination	[IZF-1984-34] p 23 N86-10789	[AD-A166949] p 409 N86-31221
compounds	POPULATION THEORY On interacting populations that disperse to avoid	Defining reclaimed water potability requirements p 410 N86-31422
[AD-D011860] p 67 N86-15897	crowding: The effect of a sedentary colony	POTASSIUM
PLEURAE Forward field autotransfusion device	[REPT-4] p 181 N86-21145 POPULATIONS	Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199
[AD-D011763] p 37 N86-12957	EFFECTS: Documentation and verification for a BEIR	ecosystem-space agriculture p 144 A86-25199 POTASSIUM ISOTOPES
PLOTTING	3 cancer risk model based on age, sex and population	Fluid-Electrolyte-Mineral interrelations as affecting work
Effect of heat and chemical protective clothing on cognitive performance	dynamics for BIOTRAN [DE86-003285] p 226 N86-24210	performance (AD-A165325) p 282 N86-26799
[AD-A162001] p 242 N86-24218	Effects of muscle atrophy on motor control	[AD-A165325] p 282 N86-26799 POTATOES
PLUTONIUM OXIDES Light-Weight Radioisotope Heater Unit Safety Analysis	[NASA-CR-177201] p 288 N86-27913	Utilization of potatoes in CELSS: Productivity and
Report (LWRHU-SAR). Volume 1. A. Introduction and	PORPHYRINS Inverse Faraday effect in hemoglobin detected by	growing systems p 152 N86-19935
executive summary. B. Reference Design Document	Raman spectroscopy: An example of magnetic resonance	Potato leaf explants as a spaceflight plant test system p 153 N86-19939
(RDD) [DE86-001457] p 172 N86-21113	Raman activity [AD-A159806] p 84 N86-17975	Controlled environment life support system: Growth
PNEUMOTHORAX	Method for improving product yields in an anionic	studies with potatoes [NASA-CR-177400] p 434 N86-32101
Diffuse pulmonary ossification and spontaneous	metalloporphyrin-based artificial photosynthesis system	[NASA-CR-177400] p 434 N86-32101 POWER SPECTRA
pneumothorax in a pilot - A case report p 395 A86-44093	[DE85-017723] p 85 N86-17978 Light induced damage to erythrocyte membrane	The Berkeley Serendip Project p 309 N86-26906
POISONING	sensitized by tetrasulfophenyl porphin	Cardiac reserve during weightlessness simulation and
Effects of carbon monoxide on personnel	p 109 N86-19838 Biosynthetic porphyrins and the origin of	shuttle flight [NASA-CR-177085] p 380 N86-29497
[AD-P004882] p 163 N86-20628 POISONS	Biosynthetic porphyrins and the origin of photosynthesis p 306 N86-26894	POWER TRANSMISSION
Toxicological evaluation of gas emission from	Effects of lunar soil, Zagami meteorite, and ocean ridge	Power and signal transmission for mobile teleoperated
heat-stable tetrafluoroethylene-based polymers when	basalt on the excretion of itoic acid, a siderophore, and coproporphyrin by Bacillus subtilis p 412 N86-31421	systems [DE85-013994] p 45 N86-12975
heated p 175 N86-21131	PORTABLE EQUIPMENT	PRECAMBRIAN PERIOD
In vivo dermal absorption method and system for laboratory animals	Automated Portable Test System (APTS) - A	The oldest traces of life (according to papers presented
[AD-D012325] p 417 N86-32951	performance envelope assessment tool [SAE PAPER 851775] p 263 A86-35427	at the 27th session of the International Geological Congress) p 47 A86-13974
POLAR REGIONS  Characteristics of external respiration in inhabitants of	Development of a portable oxygen system analyzer	Carbon isotope discrepancy between Precambrian
the northeastern USSR p 9 A86-10698	p 430 A86-47742	stromatolites and their modern analogs - Inferences from
POLARIZED LIGHT	Portable diagnostic radiometer [AD-A157685] p 62 N86-14872	hypersaline microbial mats of the Sinai Coast p 25 A86-14119
Astronomical sources of circularly polarized light and	Research animal stanchion and transporter	Submarine hydrothermal vents and associated gradient
their role in determining molecular chirality on earth p 297 A86-38144	[AD-A163907] p 248 N86-25110 Specifications Physiological Monitoring System	environments as sites for the origin and evolution of life
POLIOMYELITIS	[NASA-CR-171926] p 408 N86-30339	p 48 A86-14123 The Precambrian evolution of terrestrial life
Epidemiological supervision of poliomyelitis	PORTABLE LIFE SUPPORT SYSTEMS	p 275 A86-38146
p 118 N86-19835	Hemodynamic effects of anti-G suit inflation in a 1-G	P 210 1100-00140

environment
POSITION (LOCATION)

p 22 A86-12379

Duty-cycle analysis of a human-controlled manipulator p 137 A86-23424

POLLUTION MONITORING

**POLLEN** 

Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036

PRECIPITATION (CHEMISTRY)
Development and use of anucleated bacterial cells to assay the in vivo activity of pollutants
[AD-A162727] p 160 N86-22089
PREDICTION ANALYSIS TECHNIQUES
Prediction modeling of physiological responses and human performance in the heat
[AD-A160513] p 115 N86-18965
A comparison of dichotic listening task scoring methods
[AD-A159920] p 133 N86-18980
A model of the conjunction fallacy [AD-A160876] p 136 N86-19901
Changes in fitness and shipboard task performance
following circuit weight training programs featuring continuous or interval running
[AD-A163110] p 225 N86-24206
EFFECTS: Documentation and verification for a BEIR 3 cancer risk model based on age, sex and population
dynamics for BIOTRAN
[DE86-003285] p 226 N86-24210 Radiographic determination of mass of inertial tensors
of anatomical segments
[AD-A168581] p 425 N86-32961 PREDICTIONS
The clinical prediction of dangerousness
[AD-A160820] p 135 N86-19899
A multiple-regression model of pilot performance in vertical and translational flight
[AD-A161364] p 188 N86-22115
The use of ECG changes caused by acceleration as tolerance predicition factors p 399 N86-30316
PREFLIGHT OPERATIONS
Shuttle flight experiment 30-day summary report [NASA-CR-176539] p 171 N86-21109
PREGNANCY
Regulation of bone mineral loss during lactation p 82 A86-22713
Teratogenic effects of microwave radiation
[PB85-207462] p 7 N86-11837 PRELAUNCH TESTS
Environmental management of payload processing
facilities [AIAA PAPER 85-6067] p 73 A86-17602
PRESBYOPIA
New glasses for presbyopic pilots
PRESSURE BREATHING
PRESSURE BREATHING Reaction of rabbit respiration system to hypoxic stimulus
PRESSURE BREATHING Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure p 5 N86-10760
PRESSURE BREATHING Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure p 5 N86-10760 A study of human lymphocyte morphology from the
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers  p 121 N86-19857
PRESSURE BREATHING Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure p 5 N86-10760 A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers p 121 N86-19857 Effects of dry and humidified breathing gas (air) at 37
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers  p 121 N86-19857
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and
PRESSURE BREATHING Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure p 5 N86-10760 A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers p 121 N86-19857 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861 Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers  p 122 N86-19863  Assisted positive pressure breathing and modified
PRESSURE BREATHING Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure p 5 N86-10760 A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers p 121 N86-19857 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861 Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers p 122 N86-19863 Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers  p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute  [FOA-C-50038-H1]
PRESSURE BREATHING Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760 A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers  p 121 N86-19857 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions  p 122 N86-19861 Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers  p 122 N86-19863 Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute  [FOA-C-50038-H1] p 408 N86-30341 Predictors of periodic breathing at altitude
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute  [FOA-C-50038-H1] p 408 N86-30341  Predictors of periodic breathing at altitude  [AD-A167947]  PRESSURE CHAMBERS
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers  p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute  [FOA-C-50038-H1]  Predictors of periodic breathing at altitude  [AD-A167947]  PRESSURE CHAMBERS  Nonhypoxic syncopes at high altitude - The results of
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers  p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute  [FOA-C-50038-H1] p 408 N86-30341  Predictors of periodic breathing at altitude  [AD-A167947] PRESSURE CHAMBERS  Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers  p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute  [FOA-C-50038-H1]  Predictors of periodic breathing at altitude  [AD-A167947]  PRESSURE CHAMBERS  Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber  p 31 A86-13572  Comparison between the antihypoxic effectiveness of
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers  p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute  [FOA-C-50038-H1] p 408 N86-30341  Predictors of periodic breathing at altitude  [AD-A167947] P428 N86-32957  PRESSURE CHAMBERS  Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber  p 31 A86-13572  Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518  A blitz of bends - Decompression sickness in four
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers and nondivers: Its importance for the capacity visit of divers p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute  [FOA-C-50038-H1] p 408 N86-30341  Predictors of periodic breathing at altitude  [AD-A167947] p 424 N86-32957  PRESSURE CHAMBERS  Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber  p 31 A86-13572  Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518  A blitz of bends - Decompression sickness in four students after hypobaric chamber training
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers  p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrituge, Karolinska Institute  [FOA-C-50038-H1] p 408 N86-30341  Predictors of periodic breathing at altitude  [AD-A167947] p 424 N86-32957  PRESSURE CHAMBERS  Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber  p 31 A86-13572  Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518  A blitz of bends - Decompression sickness in four students after hypobaric chamber training
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers  p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute  [FOA-C-50038-H1] p 408 N86-30341  Predictors of periodic breathing at altitude  [AD-A167947] p 424 N86-32957  PRESSURE CHAMBERS  Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber  comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518  A blitz of bends - Decompression sickness in four students after hypobaric chamber training  p 378 A86-41790  An environmentally-controlled extended-use small animal hypobaric chamber
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: its importance for the capacity visit of divers  p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrituge, Karolinska Institute  [FOA-C-50038-H1] p 408 N86-30341  Predictors of periodic breathing at altitude  [AD-A167947] p 424 N86-32957  PRESSURE CHAMBERS  Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber  p 31 A86-13572  Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518  A blitz of bends - Decompression sickness in four students after hypobaric chamber training  p 378 A86-41790  An environmentally-controlled extended-use small animal hypobaric chamber  [AD-A166729] p 398 N86-30307
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: its importance for the capacity visit of divers  p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute  [FOA-C-50038-H1]  Predictors of periodic breathing at altitude  [AD-A167947]  PRESSURE CHAMBERS  Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber  p 31 A86-13572  Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training  p 34 A86-15518  A blitz of bends - Decompression sickness in four students after hypobaric chamber training  p 378 A86-41790  An environmentally-controlled extended-use small animal hypobaric chamber  [AD-A166729]  PRESSURE DISTRIBUTION  Your space suit and you - Significance of manloading
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure — divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: its importance for the capacity visit of divers  p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrituge, Karolinska Institute  [FOA-C-50038-H1] p 408 N86-30341  Predictors of periodic breathing at altitude  [AD-A167947] p 424 N86-32957  PRESSURE CHAMBERS  Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber  p 31 A86-13572  Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518  A blitz of bends - Decompression sickness in four students after hypobaric chamber training  p 378 A86-41790  An environmentally-controlled extended-use small animal hypobaric chamber  [AD-A166729] p 398 N86-30307  PRESSURE DISTRIBUTION  Your space suit and you - Significance of manloading in pressure suit design  [SAE PAPER 851334] p 137 A86-23523
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: its importance for the capacity visit of divers  p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute  [FOA-C-50038-H1]  Predictors of periodic breathing at altitude  [AD-A167947]  PRESSURE CHAMBERS  Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber  p 31 A86-13572  Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training  p 34 A86-15518  A blitz of bends - Decompression sickness in four students after hypobaric chamber training  p 378 A86-41790  An environmentally-controlled extended-use small animal hypobaric chamber  [AD-A166729]  PRESSURE DISTRIBUTION  Your space suit and you - Significance of manloading in pressure suit design  [SAE PAPER 851334]  PRESSURE EFFECTS
PRESSURE BREATHING Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure p 5 N86-10760 A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure divers p 121 N86-19857 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric oxposure divers p 122 N86-19861 Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers p 122 N86-19863 Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrituge, Karolinska Institute [FOA-C-50038-H1] Predictors of periodic breathing at altitude [AD-A167947] PRESSURE CHAMBERS Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber p 31 A86-13572 Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training An environmentally-controlled extended-use small animal hypobaric chamber [AD-A166729] PRESSURE DISTRIBUTION Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] PRESSURE EFFECTS Effects of pressure on uptake and release of calcium by brain synaptosomes p 247 A86-36225
PRESSURE BREATHING  Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure  p 5 N86-10760  A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure divers  p 121 N86-19857  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions  p 122 N86-19861  Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity wist of divers  p 122 N86-19863  Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute  [FOA-C-50038-H1]  Predictors of periodic breathing at altitude  [AD-A167947]  PRESSURE CHAMBERS  Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber  p 31 A86-13572  Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training  p 34 A86-15518  A blitz of bends - Decompression sickness in four students after hypobaric chamber training  p 378 A86-41790  An environmentally-controlled extended-use small animal hypobaric chamber  [AD-A166729]  PRESSURE DISTRIBUTION  Your space suit and you - Significance of manloading in pressure suit design  [SAE PAPER B51334]  P 197 A86-23523  PRESSURE EFFECTS  Effects of pressure on uptake and release of calcium by brain synaptosomes  Biochemical responses of Xenopus laevers muscless to
PRESSURE BREATHING Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure p 5 N86-10760 A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure divers p 121 N86-19857 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric oxposure divers p 122 N86-19861 Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers p 122 N86-19863 Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrituge, Karolinska Institute [FOA-C-50038-H1] Predictors of periodic breathing at altitude [AD-A167947] PRESSURE CHAMBERS Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber p 31 A86-13572 Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training An environmentally-controlled extended-use small animal hypobaric chamber [AD-A166729] PRESSURE DISTRIBUTION Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] PRESSURE EFFECTS Effects of pressure on uptake and release of calcium by brain synaptosomes p 247 A86-36225

essure on soft contact lens wear

hyperbaric atmosphere conditions

A study of human lymphocyte morphology from the

Enhancement of Pseudomonas aeruginosa virulence by

peripheral circulation after hyperbaric exposure -

p 38 N86-12963

p 121 N86-19857

p 122 N86-19858

-- divers

[AD-A158556]

Some dominant frequencies of postural tremor are lower at 31 har p 122 N86-19859 Increased inotropi of the heart in normoxic hyperbaric atmosphere p 123 N86-19869 PRESSURE GAGES Wet chamber dives to test algorithms for electronic decompressione p 125 N86-19878 PRESSURE GRADIENTS Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Meteorotropic changes of cardiac patients' blood pressure and pulse frequency during a complex bath p 166 N86-21031 The Austrian biometeorological service p 167 N86-21034 PRESSURE MEASUREMENT Wet chamber dives to test algorithms for electronic ecompressiometers p 125 N86-19878 decompressiometers Method for the determination of respiratory work in protective masks FOA-C-40213-C21 p.380 N86-29500 PRESSURE REDUCTION Repetitive decompression tables for no-stop excursions from saturation --- underwater habitats p 125 N86-19876 PRESSURE REGULATORS A waterproof vent valve for immersion suits [REPT-515] p 99 N86-17988 PRESSURE SENSORS Fiber optic measurements pressure sensors in skin-friction [NASA-CR-176294] p 16 N86-11838 PRESSURE SUITS Hemodynamic effects of anti-G suit inflation in a 1-G p 22 A86-12379 environment Decompression sickness and intravenous bubble formation using a 7.8 psi simulated pressure-suit p 85 environment Minimum pressure for a zero-prebreathe pressure suit [SAE PAPER 851315] p 137 A86-23505 Hemodynamics of miniature swine during +Gz stress hith and without anti-G support p 275 A88-39096 with and without anti-G support The technology impact of the Advanced Technology Crew Protection (ATCP) system on high performance aircraft p 406 A86-44779 An engineering test and evaluation of several new anti-G valves --- for high performance fighter aircraft p 430 A86-47734 Evaluation of 9.5 PSIA as a suit pressure for prolonged p 417 A86-47741 extravehicular activity Current research on advanced concept anti-G suits p 431 A86-47747 Single stage rapid response anti-G valve p 432 A86-47762 Anti-G suit protection and body position p 432 A86-47764 Servo operated anti-G suit pressurization system [AD-D011932] p 147 N86-18988 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical p 121 N86-19855 interpretation The effects of the insulation properties of different dry suit systems on the diver's heat balance and comfort during diving to 50 m p 121 N86-19856 Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human entrifuge, Karolinska Institute FOA-C-50038-H11 p 408 N86-30341 PRESSURIZED CABINS Space Station nitrogen supply system based on stored [SAE PAPER 851349] p 139 A86-23535 Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 PRESSURIZING Additional pressurisation for treating nonresponding cases of serious air decompression sickness p 58 A86-18831

Report on the research activities on whole-body vibrations. Human strain due to mechanical vibration [ISBN-3-88383-107-7] p 15 N86-10773 **PRIMATES** Effects of 60 Hz electric fields on operant and social

stress behaviors of nonhuman primates [DE85-011992] p 30 N86-13885 Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates

DE86-0037481 p 310 N86-27923 Effects of 60 Hz electric fields on operant and social stress behavior of nonhuman primates [DE86-0050671

p 390 N86-29533

PRIMITIVE EARTH ATMOSPHERE

evolution

Could life have arisen in the primitive atmosphere? p 24 A86-12004 Photochemistry of methane and the formation of hydrocyanic acid (HCN) in the earth's early atmosphere

p 243 A86-30697 Energy yields in the prebiotic synthesis of hydrogen cyanide and formaldehyde p 300 N86-26863 Synthesis and analysis in studies of chemical

p 300 N86-26864 Cooperation of catalysts and templates

p 301 N86-26871 Molecular replication p 302 N86-26874 Photochemical reactions of various model protocell p 303 N86-26879

Carbon exchange between the mantle and the crust and its effect upon the atmosphere: Today compared to Archean time p 304 N86-26882 Earth's early atmosphere as seen from carbon and

nitrogen isotopic analysis of Archean sediments p 304 N86-26883 Isotopic, petrologic and biogeochemical investigations of banded iron-formations

p 305 N86-26885 Biosynthetic the origin of p 306 N86-26894 porphyrins and photosynthesis Oxygen and the evolution of metabolic pathways p 307 N86-26895

PRISMS

Perceptual-motor coordination and adaptation during locomotion - Determinants of prism adaptation in hall exposure p 131 A86-24324

Implications of privacy needs and interpersonal distancing mechanisms for space station des [NASA-CR-176938] p 408 p 408 N86-30338

PROBABILITY DENSITY FUNCTIONS A general model for the homogeneous case of the

ontinuous response [AD-A1593451 p 73 N86-15914 PROBABILITY THEORY

A general model for the homogeneous case of the continuous response [AD-A159345]

p 73 N86-15914 A model of the conjunction fallacy
[AD-A160876] p 136 N86-19901

EFFECTS: Documentation and verification for a BEIR 3 cancer risk model based on age, sex and population dynamics for BIOTRAN DE86-0032851 p 226 N86-24210

impact of the human on system safety analysis [DE86-008182] p 409 N86-31224

PROBLEM SOLVING

A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772 PLANT - An experimental task for the study of human problem solving in process control --- Production Levels and Network Troubleshooting p 70 A86-17774 The effects of age, sleep deprivation, and altitude on

complex performance [AD-A156987] p 15 N86-10771

Extended analysis of the structure of error scores in sychological aptitude tests [DFVLR-FB-85-20] p 20 N86-10780

Information requirements determination: An empirical nvestigation of obstacles within an individual [AD-A158025] p 46 N86-13901

Skill acquisition: Compilation of weak-method problem solution [AD-A158725]

p 70 N86-14888 Syllogistic reasoning tasks, a methodological review ND-A159190] p 71 N86-14892 [AD-A159190]

A computer model of case-based reasoning in problem solving: An investigation in the domain of dispute mediation [AD-A158097] p 73 N86-15912

Human factors in rule-based systems [AD-A1653091

p 295 N86-26840 Mental models and problem solving with a knowledge-based expert system

[AD-A165398] p 295 N86-26843 Representation for closed form significance testing in p 408 N86-31219

A discrete control model of PLANT p 408 N86-31220

Human problem solving in fault diagnosis tasks [AD-A167397] p 434 N86-32104 **PROCEDURES** 

A procedure-based approach to human information processing models [AD-A162454] p 181 N86-21144

Acquiring procedural skills from lesson sequences AD-A1645801 p 291 N86-26829 PROCESS CONTROL (INDUSTRY)

The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771

PLANT - An experimental task for the study of human problem solving in process control --- Production Leve and Network Troubleshooting n 70 A86-17774 Standardization of carbon-phenolic composite test p 243 N86-24527 methodology
PROCUREMENT MANAGEMENT An examination of the life support equipment development and acquisition process [AD-A162241] p 242 N86-24221 PROCUREMENT POLICY An examination of the life support equipment evelopment and acquisition process p 242 N86-24221 [AD-A162241] PRODUCT DEVELOPMENT Colloidal and meteorological in vitro reactions p 165 N86-21024 PRODUCTION ENGINEERING PLANT - An experimental task for the study of human problem solving in process control --- Production Levels and Network Troubleshooting p 70 A86-17774 PRODUCTION MANAGEMENT Influence of complexity of control task on level of activation of operators physiological functions when working with waiting PRODUCTIVITY p 221 N86-23260 Ensuring Space Station human productivity [IAF PAPER 85-500] p 45 p 45 A86-15944 Productivity and difficulty as new criteria for validating aviator selection tests p 128 A86-23717 Space Station human productivity study p 269 A86-34980 An analysis of the productivity of a CELSS continuous algal culture system p 151 N86-19927 Studies on maximum yield of wheat for the controlled environments of space p 152 N86-19934 Nitrogen uptake and utilization by intact plants p 153 N86-19941 Effect of heat and chemical protective clothing on ognitive performance [AD-A162001] ND-A162001] p 242 N86-24218 The scientific/engineering workstation experiment: Preliminary results, conclusions and recomme [AD-A1630591 p 386 N86-29510 Biological studies of swine exposed to 60-Hz electric fields. Volume 5: Hematology and serum chemistry (DE86-005362) p 411 N86-30344 PROJECT MANAGEMENT First German Spacelab missions, no. 6 p 118 N86-18979 FPR-61 The role of the DFVLR project management life sciences in the space program of the Federal Republic p 387 N86-29515 Germany Program draft for a special field: Gravitational biology p 390 N86-29532 PROJECT PLANNING Japanese Technology Evaluation Program (JTECH): Biotechnology Panel [PB86-109386] p 161 N86-22092 PROJECT SETI Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the p 274 A86-36766 Second Symposium on Chemical Evolution and the [NASA-CP-2425] p 297 N86-26844 A decade of SETI observations p 308 N86-26905 An infrared search for extraterrestrial laser signals p 309 N86-26907 Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-2690A Overview of the NASA SETI Program p 309 N86-26909 Stanford Hardware Development Program p 309 N86-26910 Goldstone field test activities: Target search p 309 N86-26911 Goldstone field test activities: Sky survey p 310 N86-26912 JPL's role in the SETI program p 310 N86-26913 PROJECTIVE GEOMETRY Virtual space and 2-dimensional effects in perspective displays p 441 N86-33005 PROPELLANTS Factors influencing carboxyhemoglobin stability [AD-A165032] p 289 N86-27918 **PROPHYLAXIS** The use of reflex therapy in the prophylaxis and treatment of motion sickness p 31 A86-13300 Effect of spironolactone on acute mountain sickness p 377 A86-41781 Theoretical principles underlying the evaluation, control and correction of the impact of emotions on cosmonaut

p 403 A86-44601

Hydienic aspects of water supply for chamber sanitary s, changes of divers' bacterial mouth flora and effectiveness of ear prophylaxis in saturation dives Lactobacteria and prophylaxis in space PROPRIOCEPTION Canadian medical experiments on Shuttle Flight 41-G Some remarks on gravitational biology PROPRIOCEPTORS Functional development of gravity receptors in insects and amphibians **PROSTAGLANDINS** Plasma levels of renin, angiotensin 6-ketoprostaglandin F1-alpha in endurance athletes Control of arachidonic acid release in chick muscle cultures The effects of prostaglandin E2 in growing rats -Increased metaphyseal hard tissue and cortico-endosteal bone formation Role of carbonic anhydrase in bone resorption induced by prostaglandin E2 in vitro The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure PROTECTION Topical hazard evaluation program of Candidate Insect repellent Al3-35770 Hexahydro-1-( (2-Methylcyclohexyl) Carbonyl)-1-H-Azepine [AD-A158386] PROTECTIVE CLOTHING Thermal insulating capabilities of 'thin' clothing insulation Thermal stress imposed on pilots by NBC protective clothing --- Nuclear-Biological-Chemical

Cold water immersion test of prototype anti-exposure suits for aircrews The effect of leakage on the insulation provided by immersion-protection clothing Immersion cooling - Effect of clothing and skinfold [AD-A163427] How much inherent buoyancy is acceptable in a elicopter passenger immersion suit p 96 A86-19310 Protective respirator for the AAH-64 Advanced Attack helicopter passenger immersion suit Development of an improved liquid cooling system ---protective clothing p 97 A86-19341 in protective clothing

Laboratory and flight testing of ballistic protective headgear for rotary wing aircrew p 97 A86-19344
Hand grip strength decrease related to hand skin
temperature drop during six-hour ice cold water
immersion p 86 A86-19348 Effect of wearing chemical protective clothing in the heat on signal detection over the visual field [AD-A164945] p 145 A86-25657 An automated methodology for conducting human

factors evaluations of protective garments p 268 A86-33817 Tactical Life Support System (TLSS) aircrew integrated arment p 431 A86-47746 garment The changing face of constant wear anti-exposure

protection --- of Naval aircrewmen against immersion hypothermia n 431 A86.47740 A new standard for protective headgear - BS 6658

p 431 A86-47752 A comparison of the protection against immersion hypothermia provided by Coast Guard anti-exposure clothing in calm versus rough seas

p 75 N86-14898 Abrasion-resistant aluminizeu-coalco manufacture of firefighters' protective clothing p 75 N86-14901

Refurbishing spray on aluminum enamel on proximity

[AD-A159707] p 153 N86-19944 Evaluation of materials for thermal protection

[AD-P004901] p 187 N86-20638 Evaluation of a passenger mask modified with a rebreather bag for protection from smoke and fumes [AD-A162473] p 188

Effects of wearing NBC (Nuclear, Biological and Chemical) protective clothing in the heat on detection of visual signals [AD-A162321] p 224 N86-24202 Effect of heat and chemical protective clothing on cognitive performance

[AD-A162001] p 242 N86-24218 Effectiveness of an air-cooled vest using selected air temperature and humidity combinations p 242 N86-24219

The effect of cold training and the wearing of gloves on manual performance in the cold: A comparison of pure ability and operational tasks

p 273 N86-25124 [AD-A163893] Compendium of protective eyewear

[PB86-135779] p 273 N86-25126 A lightweight impermeable suit for chemical protection warm conditions: A preliminary look at the concept [AD-A164687] p 295 N86-26839 Methodology for integration testing of aircrew clothing p 295 N86-26842 (AD-A1653281

PROTEIN METABOLISM

p 124 N86-19874

p 285 N86-27870

p 110 A86-22996

p 387 N86-29517

p 389 N86-29527

D 8 A86-10111

p 198 A86-30429

p 375 A86-43450

p 375 A86-43453

p 395 A86-44091

p 68 N86-15903

p 22 A86-10263

p 44 A86-13571

p 44 A86-13942

p 44 A86-14320

p 59 A86-18837

Correlation between plasma fibronectin level and experimental rat heat stress mortality [AD-A160943] p 1 A86-10101

Biochemical response to chronic shortening in unloaded pleus muscles p 3 A86-12380 soleus muscles Proteins and RNA in the neuron-neuroglia system of

n. raphe dorsalis neurons of the ground squirrel brain during p 26 A86-14593 Proteinuria in fighter pilots after high +Gz exposure p 113 A86-25653

Calmodulin, a second messenger - History of investigation and physiological importance p 157 A86-29256

Changes in skeletal muscle properties following hindlimb p 198 A86-30428 suspension Protein concentration elevations in lungs of mice following sudden, transient cephalad (+Gz) acceleration p 199 A86-30437

Changes in muscle protein composition induced by atrophy - Analysis by two-dimensional electrophoresis p 200 A86-30440 Effect of seven days of spaceflight on hindlimb muscle

protein, RNA and DNA in adult rats p 204 A86-30471 Osteocalcin as an indicator of bone metabolism during p 205 A86-30474 spaceflight Metabolism of amino acids by the atrophied soleus of

p 374 A86-43442 tail-casted, suspended rats Effect of inactivity and passive stretch on protein turnover in phasic and postural rat muscles

p 413 A86-47871 Physiology/biochemistry of photoactivation of O2 volution: Probes for the S-state protein p 53 N86-14843 [DE85-0168341

Changes in physicochemical properties of contractile and regulatory proteins in different types of muscles during and after exposure to accelerations p 61 N86-14860 Theoretical prerequisites for the possible use of bacteria

which split organophosphates in order to increase the yield of nutrient yeast and its nitrogen and phosphorous [AD-A161811]

p 159 N86-22083

PROTEIN SYNTHESIS

New perspectives on bacterial ferredoxin evolution

p 2 A86-12001 Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studie p 23 A86-12003

The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323

Correlated changes in calmodulin activity and gravitropic p 197 A86-30422 sensitivity in roots of maize Control of arachidonic acid release in chick muscle cultures p 198 A86-30429

Universal protein ancestors from hydrogen cyanide and ater --- extraterrestrial origins p 296 A86-38141 water --- extraterrestrial origins Chirally selective, intramolecular interaction observed in an aminoacyl adenylate anhydride p 372 A86-41046

Conservation of the secondary structure of protein during evolution and the role of the genetic code p 372 A86-41047

de ligation on p 393 A86-45960 Template-directed oligonucleotide hydroxylapatite

The rhodopsin-like pigments of halobacteria -Light-energy and signal transducers archaebacterium p 415 A86-50271 Production of gene bank from cotton plant chloroplast p 210 N86-23228 DNA foi HC/MF

Description of preparation of capsular antigen isolated p 219 N86-23242 from yersinia pestis strain EV Study of cell-wall antigen determinants in ribosomal

preparations of group a streptococcus p 220 N86-23243 Intramolecular interactions in aminoacyl nucleotides:

Implications regarding the origin of genetic coding and protein synthesis p 302 N86-26873 **PROTEINS** 

Hypokinezia and space flight reflected on rats p 200 A86-30442 Muscle protein and glycogen responses to recovery from hypogravity and unloading by tail-cast suspension

p 202 A86-30457

Ecto-protein kinase activity on the	e externa	l surface of
neural cells	p 207	A86-31650
No valid evidence exists for interste		
etc	p 296	A86-38143
Nuclear lamins and peripheral nu	iclear anti	gens during
fertilization and embryogenesis in m		
Philad and accepts the con-	p 371	A86-40675
Fluid and protein shifts after humans		
Romanian plant produces protei	p 421	A86-49523
paraffin-nourished yeasts	p 4	N86-10741
Biotechnology: Science and prac		1400-10741
and practice and practice and practice	p 4	N86-10742
Utilization of non-conventional sy		
of biomass to food components: I	otential f	or utilization
of algae in engineered foods		
[NASA-CR-176257]	р6	N86-11830
Protein crystal growth results fro		
[NASA-CR-178540]	p 82	N86-16875
Protein mapping and the prot molecular biology	wern or co	omplexity in
[DE85-018349]	p 85	N86-17979
Sequence polymorphism of HL/		
relating to T cell-recognized determ	inants	u . u
[AD-A160237]	p 107	N86-18956
DNA and protein studies of HLA cla	ass 2 mole	cules: Their
relationship to T cell recognition		
[AD-A160704]	p 116	N86-18968
Fluorescent-polarization propertie	s of chron	nophores of
water-soluble proteins of normal a		ictal human N86-19832
Potential for utilization of algal bio	mass for 4	COMPONENTS
of the diet in CELSS	p 148	N86-19907
Salyut-7 electrophoresis exper		
research	p 158	N86-20445
Role of Ca(2+)/calmodulin in	phosph	orylation of
proteins in plants		•
[DE86-001804]	p 158	N86-21099
Bimane derivatives as fluorescent	probes for	or biological
macromolecules	- 400	
[AD-A162725] Development and use of anucles		N86-22088
assay the in vivo activity of pollutan		mai cens to
[AD-A162727]		N86-22089
Interaction of asialoglycoprotein re		
with chemically galactosilated acid a	alpha-gluc	osidase
	p 210	N86-23224
Protein-protein interactions in sy		
polyelectrolytes		N86-23225
Vaccine Proteins R and D on Saly		NOC 00050
Biosensors from membrane prof	p 220	N86-23256
polymerized lipid bilayers	1000	iisuuueu m
[AD-D012160]	p 248	N86-25974
Macrophage structure and function	n	
[AD-A163314]	p 276	N86-26793
A comparative study of prebiot	ic and p	esent day
translational models	p 303	N86-26877
Protobiological informatoin, bidirec		
reverse translation	p 303	N86-26878
Investigations with methanobacter of the genetic code		
Functional and evolutionary re	p 300 alationehi	N86-26890
bacteriorhodopsin and halorh	odopsin	in the
archaebacterium, halobacterium hal	obium	*** 4.6
	p 306	N86-26892
Thioredoxins in evolutionarily prim	itive orga	nisms
	p 306	N86-26893
Influence of erythrocythemia on	blood v	olume and
thermoregulation during exercise-he [AD-A165014]	0.000	
PROTOBIOLOGY	at stress	NOC 07045
	at stress	N86-27916
Could life have arisen in the primi	at stress p 289	
Could life have arisen in the primi	at stress p 289 tive atmos	phere?
	at stress p 289 tive atmos p 24	
Prebiotic matter in interstellar mol	at stress p 289 tive atmos p 24 ecules	sphere? A86-12004
Prebiotic matter in interstellar mol	at stress p 289 tive atmos p 24 ecules p 296	sphere? A86-12004 A86-38138
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacterior	at stress p 289 tive atmos p 24 ecules p 296	sphere? A86-12004 A86-38138
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacterior book	at stress p 289  tive atmos p 24 ecules p 296  hodopsin	sphere? A86-12004 A86-38138
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacterior book PROTON IRRADIATION	at stress p 289 tive atmos p 24 ecules p 296 hodopsin p 413	sphere? A86-12004 A86-38138 Russian A86-49346
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacterior book PROTON IRRADIATION Radioprotective and therapeutic ef	at stress p 289  tive atmos p 24 ecules p 296 hodopsin p 413 ficacy of c	sphere? A86-12004 A86-38138 Russian A86-49346 arrageenan
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacteriori book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation	at stress p 289  tive atmos p 24 ecules p 296 hodopsin p 413 ficacy of c	sphere? A86-12004 A86-38138 Russian A86-49346
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacteriori book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation PROTONS	at stress p 289 tive atmos p 24 ecules p 296 hodopsin p 413 ficacy of c p 287	sphere? A86-12004 A86-38138 Russian A86-49346 arrageenan N86-27904
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacteriori book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation PROTONS Coupling between the bacteriorhod the protonmotive force in Halobact	at stress p 289 tive atmos p 24 ecules p 296 hodopsin p 413 ficacy of c p 287 lopsin pho	sphere? A86-12004 A86-38138 
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacteriori book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation PROTONS Coupling between the bacteriorhod the protonmotive force in Halobact	at stress p 289 tive atmos p 24 ecules p 296 hodopsin p 413 ficacy of c p 287 lopsin pho	sphere? A86-12004 A86-38138 
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacterior book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation PROTONS Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-resc transmembrane electric potential a	at stress p 289 tive atmost p 24 ecules p 296 hodopsin p 413 ficacy of c p 287 lopsin photerium hall	aphere? A86-12004 A86-38138
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacteriori book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation PROTONS Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-reso transmembrane electric potential a associated ion fluxes	at stress p 289 tive atmos p 24 ecules p 296 hodopsin p 413 ficacy of c p 287 dopsin photerium hallyled increment mode p 373	sphere? A86-12004 A86-38138 — Russian A86-49346 arrageenan N86-27904 tocycle and obium cell ase in the ling of the A86-43433
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacteriori book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation PROTONS Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-resc transmembrane electric potential a associated ion fluxes Transient proton inflows during illur	at stress p 289 tive atmos p 24 ecules p 296 hodopsin p 413 ficacy of c p 287 lopsin photerium halloved incread mode p 373 mination c	sphere? A86-12004 A86-38138
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacterior book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation PROTONS Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential a associated ion fluxes Transient proton inflows during illu Halobacterium halobium cells	at stress p 289 tive atmos p 24 ecules p 296 hodopsin p 413 ficacy of c p 287 lopsin photerium hall lived increading mode p 373 min atmos c p 374	sphere? A86-12004 A86-38138
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacteriori book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation PROTONS Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-resc transmembrane electric potential a associated ion fluxes Transient proton inflows during illur	at stress p 289 tive atmos p 24 ecules p 296 hodopsin p 413 ficacy of c p 287 topsin photerium hallyled increment mode p 373 mination c p 374 sin Rus	aphere? A86-12004 A86-38138
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacteriori book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation PROTONS Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-resc transmembrane electric potential a associated ion fluxes Transient proton inflows during illu Halobacterium halobium cells Proton transfer in bacteriorhodops	at stress p 289 tive atmos p 24 ecules p 296 hodopsin p 413 ficacy of c p 287 lopsin pho lerium hall- lived incread mode p 373 mination c p 374 sin p 413	aphere? A86-12004 A86-38138 — Russian A86-49346 arrageenan N86-27904 tocycle and obum cell base in the ling of the A86-43433 f anaerobic A86-43436 sian book A86-49345
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacterior book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation PROTONS Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential a associated ion fluxes Transient proton inflows during illu Halobacterium halobium cells	at stress p 289 tive atmos p 24 eccules p 296 hodopsin p 413 ficacy of c p 287 dopsin photerium hallowed incread mode p 373 mination c p 374 sin Rus p 413 nodopsin 100 fixed p 130 fi	aphere? A86-12004 A86-38138
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacteriori book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation PROTONS Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. Ill - Time-reso transmembrane electric potential a associated ion fluxes Transient proton inflows during illu Halobacterium halobium cells Proton transfer in bacteriorhodops Proton injection into bacteriorl book	at stress p 289 tive atmos p 24 ecules p 296 hodopsin p 413 ficacy of c p 287 lopsin photerium hallylved increment and mode p 373 mination c p 374 sin Rus p 413 nodopsin p 413	aphere? A86-12004 A86-38138 — Russian A86-49346 arrageenan N86-27904 tocycle and obium cell base in the ling of the A86-43433 f anaerobic A86-43436 — Russian A86-49345 — Russian A86-49347
Prebiotic matter in interstellar mol PROTON BEAMS Proton ejection from bacteriori book PROTON IRRADIATION Radioprotective and therapeutic ef against proton radiation PROTONS Coupling between the bacteriorhod the protonmotive force in Halobact envelope vesicles. III - Time-resc transmembrane electric potential a associated ion fluxes Transient proton inflows during illu Halobacterium halobium cells Proton transfer in bacteriorhodops	at stress p 289 tive atmos p 24 eccules p 296 hodopsin p 413 ficacy of c p 287 lopsin photerium hall lived increment of p 373 mination c p 374 sin Rus p 413 nodopsin p 414 efactor of p	aphere? A86-12004 A86-38138 — Russian A86-49346 arrageenan N86-27904 tocycle and obium cell base in the ling of the A86-43433 f anaerobic A86-43436 — Russian A86-49345 — Russian A86-49347

PROTOTYPES		
Cold water immersion test of proto suits for aircrews	type a p 44	nti-exposure A86-13942
Space motion sickness preflight a	daptati	ion training
Preliminary studies with prototype train [IAF PAPER 85-311]		A86-15822
An expert systems approach to	p35 auto	motod fault
management in a regenerative life [AIAA PAPER 86-0321]	suppor	t subsystem
Clay energetics in chemical evolution	u bae	A86-19811
PROVING	p 301	N86-26867
Productivity and difficulty as new or	riteria f	or validating
aviator selection tests Plausibility functions of lowa voc	n 128	ARE 22717
estimated by the simple sum procedur	e of the	conditional
P.D.F. Approach		
Baseline experiments in teleoperator	p 134 r contre	N86-18986 ol
[NASA-TP-2547] PSEUDOMONAS	p 294	N86-26836
Physico-chemical studies of radiat	ion effe	ects in cells
[DE85-014681] Enhancement of Pseudomonas aeru	p 83	N86-16878
hyperbaric atmosphere conditions	унюва р 122	
PSYCHIATRY The flight surgeon and psychiatry	ntoront	مالناء اممم
	p 131	A86-25654
USSR report: Life sciences. Biomed sciences	tical an	d behavioral
[JPRS-UBB-85-025]	p 83	N86-16881
The clinical prediction of dangerous [AD-A160820]		NIDO 40000
US Air Force combat psychiatry	p 135	N86-19899
[AD-A165011] PSYCHOACOUSTICS	p 292	N86-27921
A differential evaluation of the mech	anism (	of the effect
of noise on the ear in relation to characteristics (Clinical and experimen	noise	frequency
	p 10	лу) A86-11750
A study of the psychophysical fluctuating sound by a stochastic appr	measu	rement on
	p 41	A86-14575
Hysterical deafness - An unusual pre in an air traffic control officer		
PSYCHOLOGICAL EFFECTS		A86-29098
Effects of raised body temperatu memory, and mood		
Complex approach to the study of	adapti	A86-20002 ve systemic
reactions and functional states in man in the formation of subcomplexes of sys	I - The	time factor
indexes of functional state dyn	temic p amics,	nysiological and the
instrumentation used in the study  The effect of varying task diffici	p 216	A86-30893
	וונץ On p 261	A86-33808
Report on the research activitie		whole-body
vibrations. Human strain due to me [ISBN-3-88383-107-7]	chanica p 15	N86-10773
Effects of 9-hour time zone chang	es on	fatigue and
circadian rhythms of sleep/wake and [NASA-TM-88197]	core 1 p 92	N86-16890
Psychological problems associated		
respiratory protective devices: A revie	w	N86-17995
Temperature wind speed humic		
biometeorological index testing	166	N86-21028
Studies on accurate measurement human offactory evoked potentials	s and	analyses of
[EL-863]		N86-27907
Aircrew aspects of United Stated fut		nter aircraft N86-30310
PSYCHOLOGICAL FACTORS	3 330	1400-30310
Behavioral Airsickness Managen student pilots		rogram for
[AD-A161266]	ient p	g
The impact of life events on pilots		_
A"	p 18 - An e	A86-10258 extension of
Alkov's approach	p 18 - An e p 18	A86-10258 extension of A86-10260
Alkov's approach  Mourning and traumatic neuroses - C aeronautical incidents for one helicopt	p 18 - An e p 18 linical a	A86-10258 extension of A86-10260 aspects and
Alkov's approach  Mourning and traumatic neuroses - C aeronautical incidents for one helicopte	p 18 - An e p 18 linical a er pilot p 40	A86-10258 extension of A86-10260 aspects and A86-13569
Alkov's approach  Mourning and traumatic neuroses - C aeronautical incidents for one helicopt  A study of the psychophysical	p 18 - An e p 18 dinical a er pilot p 40 measu	A86-10258 extension of A86-10260 aspects and A86-13569 rement on
Alkov's approach Mourning and traumatic neuroses - C aeronautical incidents for one helicopt.  A study of the psychophysical fluctuating sound by a stochastic appro	p 18 - An e p 18 dinical a er pilot p 40 measu eximatic p 41	A86-10258 extension of A86-10260 aspects and A86-13569 rement on
Alkov's approach  Mourning and traumatic neuroses - C aeronautical incidents for one helicopt  A study of the psychophysical	p 18 - An e p 18 - Ilinical a er pilot p 40 measu eximatic p 41	A86-10258 xtension of A86-10260 aspects and A86-13569 rement on on method A86-14575
Alkov's approach Mourning and traumatic neuroses - C aeronautical incidents for one helicopt A study of the psychophysical fluctuating sound by a stochastic appro Human error in life support operation Why do performance and subjective w	p 18 - An e p 18 Ilinical a er pilot p 40 measu eximatic p 41 ns p 96 workloa	A86-10258 extension of A86-10260 aspects and A86-13569 rement on on method A86-14575 A86-19330 d measures
Alkov's approach Mourning and traumatic neuroses - C aeronautical incidents for one helicopt.  A study of the psychophysical fluctuating sound by a stochastic appro Human error in life support operation Why do performance and subjective of dissociate?	p 18 - An e p 18 Ilinical a er pilot p 40 measu eximatic p 41 ns p 96 vorkloa e 129	A86-10258 A86-10260 aspects and A86-13569 rement on on method A86-14575 A86-19330 d measures A86-23726
Alkov's approach Mourning and traumatic neuroses - C aeronautical incidents for one helicopt.  A study of the psychophysical fluctuating sound by a stochastic appro- Human error in life support operation Why do performance and subjective to dissociate? Clinical and psychological surveillance	p 18 - An e p 18 dinical a er pilot p 40 measu eximatic p 41 ns p 96 workloa e 129 ee of ste	A86-10258 xtension of A86-10260 aspects and A86-13569 rement on on method A86-14575 A86-19330 d measures A86-23726 udent pilots A86-24501

p 131 A86-24508

p 131 A86-25655

Flying and danger, joy and fear --- pilot motivation and

fear of flying [AD-A166555]

```
Subjective workload and individual differences in
  information processing abilities
  [SAE PAPER 841491]
           dissociation
                            betwe
                                         subjective
  performance-based measures of operator workload
                                        p 178 A86-28450
    Psychological and interpersonal adaptation to Mars
                                        p 179 A86-28812
    Psychological considerations in long-duration space
   missions An overview
  [AAS 84-188]
                                        p 179 A86-28814
    Time-sharing revised - Test of a componential model
  for the assessment of individual differences
                                        p 239 A86-29881
    The social-psychological aspects of pilot-error - Male
  vs female
                                        p 228 A86-29885
    When should pilot discipline end and pilot savvy
                                       p 228 A86-29891
    The attitude and information components of the risk
  assessment-judgement process — of aircraft pilots
                                        p 229 A86-29892
    The influence of preview period and global optical flow
  rate on sensitivity to loss in speed of self motion
                                        p 230 A86-29901
    The psychophysics of workload - A second look at the
  relationship between subjective measures
  performance
                                        p 260 A86-33804
    An investigation of the 'von Restorff' phenomenon in
  post-test workload ratings
                                        p 261 A86-33807
    Anticipatory adjustments during a warning interval -
  Cortical negativity and perceptual sensitivity
                                        p 261 A86-33818
    Training of cosmonauts and experience during space
  flight
                                        p 263 A86-35286
    Some aspects of yogic exercises during space flight p 263 A86-35289
    Control errors: Psychological causes - An automated
  method of analysis --- Russian book
                                        p 270 A86-35460
    Effect of emotional stress on hemostasis system of ealthy persons p 19 N86-10745
  healthy persons
    Moment by moment variation in the cognitive activity
  [AD-A159466]
                                         p 71 N86-14893
    An investigation of judgments of category frequency
  [AD-A159555]
                                         p 72 N86-14894
  Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866
    Human factors engineering design criteria for future
 systems. Report number 3: Design criteria evolving from the Multiple Multiple Rocket System (MLRS) operational
  test 3
 [AD-A158316]
   AD-A158316} p 76 N86-15916
Psychological problems associated with the wearing of
  respiratory protective devices: A review
 [FOA-C-40216-C2]
                                        p 101 N86-17995
    Evaluation of a multi-method group treatment approach
  for the management of stress
 [AD-A160813]
                                        p 135 N86-19897
    The clinical prediction of dangerousness
 [AD-A160820]
                                        p 135 N86-19899
    Review of book on principles of aviation psychology
                                       p 235 N86-23261
    Generalizing over conditions by combining the multitrait
 multimethod matrix and the representative design of
  experiments
                                        p 265 N86-25119
    The healthy motivation to fly: No psychiatric diagnosis
    (D-A164944]
The psychology of decision making
p 427
 [AD-A164944]
                                        p 291 N86-26832
                                               --- military
 commanders
                                               N86-32096
 Absolute judgment versus absolute magnitude estimation to convey information through symbol magnitude changes in CRT displays
  [AD-A167059]
                                        p 434 N86-32103
PSYCHOLOGICAL TESTS
    Medical evaluation of cosmonauts - Psychological
                                         p 19 A86-12431
 The visual stress model - A psycho-physiological method for the evaluation of operational reliability of pilots and
  cosmonauts
 [IAF PAPER 85-326]
                                         p 41 A86-15831
    System developed for psychological selection of AT
 controllers
                                         p 69 A86-17062
   Productivity and difficulty as new criteria for validating
  aviator selection tests
                                        D 128 A86-23717
    Judgment training effectiveness and permanency
                                        p 228 A86-29888
    An exploratory study of computer-based aviator
                                       p 231 A86-29909
 testing
    Characterization of good teleoperators - What aptitudes,
 interests, and experience correlate with measures of
 teleoperator performance
                                        p 268 A86-33828
```

Automated Portable Test System (APTS) - A performance envelope assessment tool [SAE PAPER 851775] D 263 A86-35427 Spectral-correlation characteristics of EEG in the course of short-term memory tests. I - A study of spectral-correlation parameters of the potentials in the human neocortex during correct short-term memorizing p 419 A86-49263 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975 Extended analysis of the structure of error scores in psychological aptitude tests (DFVLR-FB-85-20) p 20 N86-10780 Speed of work and error rate: Analyses of individual differences in a choice reaction series with a cognitive [DFVLR-FB-85-21] p 20 N86-10781 Standardization of tasks: Approach planning --- human performance assessment [IZF-1984-191 n 20 N86-10782 An investigation of judgments of category frequency [AD-A159555] p 72 N86-14894 Plausibility functions of lowa vocabulary test items estimated by the simple sum procedure of the conditional P.D.F. Approach [AD-A1608501 p 134 N86-18986 The clinical prediction of dangerousness [AD-A1608201 p 135 N86-19899 Psychological selection of personnel for employment in the Antartic [DRIC-T-74491 p 235 N86-23278 Generalizing over conditions by combining the multitrait multimethod matrix and the representative design of AD-A163685] p 265 N86-25119 Proceedings of the Item Response Theory and [AD-A1636851 Computerized Adaptive Testing Conference --- 3 [AD-A163040] p 265 N86-25990 Theory-based cognitive assessment [AD-A1640831 p 266 N86-25991 Components of verbal intelligence [AD-A163359] p 290 N86-26828 Components of spatial ability [AD-A165694] p 382 N86-28616 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire [FOA-C-50034-H3] p 383 N86-29506 aircrew medical p 399 N86-30311 Canadian forces approach to Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Speed of work and error rate: Analyses of individual differences in a choice reaction series with a cognitive component [ESA-TT-944] p 427 NR6-32099 Human factors research in aircrew performance and training [AD-A167740] p 427 N86-32967 **PSYCHOLOGY** Psychological Sciences Division 1984 programs [AD-A156631] p 20 N86-10779 Adaptive motivation theory [AD-A157440] n 21 N86-11851 Syllogistic reasoning tasks, a methodological review [AD-A1591901 p 71 N86-14892 A study of patient's self-image during orthodontic treatment [AD-A1607511 p 126 N86-19888 The clinical prediction of dangerousness [AD-A160820] p 135 N86-19899 Theory-based cognitive assessment [AD-A164083] p 266 N86-25991 USSR report: Life sciences. Biomedical and behavioral science [JPRS-UBB-86-0081 p 278 N86-27869 Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876 **PSYCHOMETRICS** A review of pilot workload measurement techniques used on the A-10 single seat night attack test program [SAE PAPER 841492] p 146 A86-26016 A linear, dynamic model for the visual-cortical evoked response system p 183 A86-28432 Axiomatic and numeric conjoint measurement - A comparison of three methods for obtaining subjective workload (SWAT) rankings p 178 A86-28435 A preliminary study - A multivariate analysis of attitudinal characteristics of flight instructors p 232 A86-29914 Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107

Components of spatial ability PSYCHOPHYSIOLOGY [AD-A165694] p 382 N86-28616 Leukocytic reactions caused by emotional stress PSYCHOMOTOR PERFORMANCE p 34 A86-15519 Psychomotor performance after forward-facing impact Use of a linguistic test in the course of large-scale p 32 A86-14310 physiological selection of men for work in an adv The effect of skill on performance under an p 35 A86-15523 The visual stress model - A psycho-physiological method environmental stressor p 94 A86-20408 for the evaluation of operational reliability of pilots and Task parameters affecting individual differences in pursuit and compensatory tracking performance [IAF PAPER 85-326] p 95 A86-20972 Self-control of psychophysiologic response to motion On the pilot's behavior of detecting a system parameter stress Using biofeedback to treat sickness change p 145 A86-25229 p 70 A86-18833 [AD-A1634281 In search of a time-sharing ability in zero input tracking The diaphoretic reflex in a complex of methods for analyzer scores --- of pilot psychomotor performance estimating operator efficiency p 88 A86-21453 p 227 A86-29882 The dynamics of the human estimation of image size Canadian automated pilot selection system and its neurophysiological correlates p 89 A86-22539 p 231 A86-29908 Neurons as detectors of errors in the subcortical Force and timing components of the motor program structures of the human brain D 111 A86-24307 [AD-A157584] Perceptual 'traps' of the visual system p 17 N86-11843 Cognitive science program: Dissociation of the central p 233 A86-30360 timekeeper and the peripheral implementation processes Bigness is in the eye of the beholder --- size and distance in repetitive movements perception of pilots in flight p 233 A86-31820 [AD-A157542] The methodology and techniques used in analyses of p 21 N86-11852 Effect of threat stress on psychomotor stability of pilots operator activity --- Russian book p 234 A86-32523 differing in anxiety level n 72 N86-15860 Training of cosmonauts and experience during space Use of flight simulators for demonstration of functional flight p 263 A86-35286 capacities of flight personnel p 72 N86-15870 Some aspects of yogic exercises during space flight Experience and performance in video games and its p 263 A86-35289 influence on aptitude tests in aviation psychology p 73 N86-15915 and psych-Controlling of pilot work capacity by psychosomatic [DEVLB-FB-85-43] self-regulation techniques p 265 A86-36500 Neurophysiological activity Resolution and scene detail performance of the visual effectiveness of environmental factors stern in flight simulation p 381 A86-40482 p 164 N86-21013 Theoretical principles underlying the evaluation, control, influence of complexity of control task on level of and correction of the impact of emotions on cosmonaut activation of operators physiological functions when p 403 A86-44601 activity working with waiting The use of cardiac-rhythm statistical characteristics in p 221 N86-23260 Driving performance the day after use of loprazolam, evaluating mental work capacity p 420 A86-49265 A quick method for evaluating operators' flunitrazepem and placebo FVK-83-041 p 290 N86-26826 capacity p 420 A86-49268 A psychophysiological mapping of cognitive processes Flurazepam HCL's residual (hangover) effects upon actual driving performance [AD-A1587321 ND-A158732] p 43 N86-13895 The event related brain potential as an index of [VK-83-02] p 291 N86-26834 Psychoemotional pilot stress prior to ejection and its information processing, cognitive activity, and skill acquisition: A program of basic research role in appropriate performance p 292 N86-27881 Effect of time span and task load on pilot mental [AD-A159118] p 43 N86-13897 workload Enhancing visual sensitivity [NASA-CR-177099] [AD-A158799] p 382 N86-29502 p 68 N86-15906 A 24-hour structure of vigilance under prolonged sleep deprivation: Relationship with performance Color on displays. Part 1: The psychophysical and physiological aspects p 422 N86-32089 [IZF-1985-11] p 100 N86-17994 Multitask performance: Predicting success in Naval Sweating reflex in complex of methods for evaluating nation primary flight training operator efficiency p 285 N86-27872 FAD-A1682461 p 428 N86-32972 **PSYCHOSOMATICS PSYCHOPHARMACOLOGY** Controlling of pilot work capacity by psychosomatic Hypnogenic activity of a cyclic structural analog of self-regulation techniques p 265 A86-36500 delta-sleep-inducing peptide Investigations of the possible influence of air electrical p 105 A86-24368 The effect of centedrin on the work capacity of phenomena on dulling and ghost aching in amputated patients p 167 N86-21033 p 426 A86-49371 Electric sleep method of preventing fatigue build-up in **PSYCHOTROPIC DRUGS** ors on extended cruises Effects of psychotropic drugs on thermal responses to radiofrequency radiation p 59 A86-18838 p 235 N86-23248 **PSYCHOPHYSICS** Invariant tuning of motion aftereffect Antistress effect of 1-chlormethylsilitrane p 94 A86-20899 p 105 A86-24309 Does location cueing increase the efficiency of the early The effects of the antidepressants oxaprotiline, stages of perceptual processing? p 129 A86-23722 mianserin, amitryptiline and doxepin upon actual driving The effects of aerial perspective on altitude estimation performance p 130 A86-23730 . [VK-83-05] p 290 N86-26827 Altitude estimation of pilot and non-pilot observers using PUBLIC HEALTH real-world scenes p 230 A86-29905 Biotechnology regulation The effects of psychophysical matching on the transfer [GPO-43-778] p 3 N86-10733 of training between alternative motion simulators Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) Improvement in direction discrimination - No role for eye electromagnetic fields: Compilation of commissioned papers for the ELF literature review project p 234 A86-32073 [AD-A156942] Window of visibility - A psychophysical theory of fidelity p 16 N86-11839 in time-sampled visual motion displays USSR report: Life sciences. Biomedical and behavioral p 240 A86-32451 [JPRS-UBB-85-024] The psychophysics of workload - A second look at the p 64 N86-14885 relationship between subjective measures USSR report: Life sciences. Biomedical and behavioral performance p 260 A86-33804 [JPRS-UBB-85-0251 p 83 N86-16881 Information processing in mammalian visual cortex [AD-A165832] Ambient ozone and human health: An epidemiological p 376 N86-28609 analysis, volume 1 Spatiotemporal characteristics of visual localization [AD-A166097] PB85-2451811 n 404 N86-30331 p 93 N86-16896 Novel architectures for image processing based on USSR report: Life sciences. Biomedical and behavioral computer simulation and psychophysical studies of human sciences [JPRS-UBB-86-002] sual cortex p 209 N86-23222 [AD-A166222] AIDS-free USSR monitoring potential outbreak there p 404 N86-30333 Sensitivity to visual motion in statistically defined p 218 N86-23235 A survey of speech audiometry in the National Health [AD-A1672911 p 405 N86-31217 Service Absolute judgment versus absolute magnitude estimation to convey information through symbol [NPL-AC-105] p 221 N86-23267 Extremely Low Frequency (ELF) communications magnitude changes in CRT displays stem bio-effects library development [AD-A167059] p 434 N86-32103 [AD-A162839] p 225 N86-24204

exposures to ambient particulate matter. Health and
environmental effects document, 1985 [DE86-002161] p 225 N86-24208
Health effects of ambient ozone exposure in vigorously
exercising adults
[PB86-156940] p 258 N86-25989
ULMONARY CIRCULATION
Effects of 100 percent oxygen on the cardiovascular
responses to vasoactive compounds in the dog
p 2 A86-10255 Opposing hemodynamic effects of substance P on
pulmonary vasculature in rabbits p 3 A86-12378
Correlation between the arterial blood pressure, the
pulmonary artery pressure, and central venous pressure
p 90 A86-22542
Impaired pulmonary conversion of angiotensin I to
angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218
Bioimpedance measurement with respect to pulsatile
pulmonary blood flow p 271 A86-36316
Response of enlarged alveolar vessels to acute
hypoxia p 378 A86-41785
An analysis of estimation of pulmonary blood flow by
the single-breath method p 413 A86-47872 Pulmonary gas exchange in humans exercising at sea
level and simulated altitude p 419 A86-47874
Exploratory studies of physiological components of
motion sickness: Cardiopulmonary differences between
high and low susceptibles [NASA-CR-176541] p 171 N86-21108
[NASA-CR-176541] p 171 N86-21108 ULMONARY FUNCTIONS
Pulmonary function in microgravity - Spacelab 4 and
beyond
[IAF PAPER 85-322] p 36 A86-15828
Analyses of maximum cardiopulmonary performance during exposure to acute hypoxia at simulated altitude -
Sea level to 5000 meters (760-404 mm Hg)
p 60 A86-18839
Mathematical models of the effect of gravitation on lung
functions Russian book p 111 A86-24135
Estimating the small airways resistance from measurements of the upstream resistance of several gas
mixtures p 162 A86-28448
Acute pulmonary effects of formaldehyde exposure in
humans
[DE85-014728] p 17 N86-11848
Pulmonary adaptation to high altitude [AD-A157694] p 62 N86-14873
Respiratory function in inhabitants of northeastern
USSR p 119 N86-19845
USSR p 119 N86-19845 Lung volumes and dynamic compliance during
USSR p 119 N86-19845 Lung volumes and dynamic compliance during immersion and oxygen breathing p 122 N86-19860
USSR Lung volumes and dynamic compliance during immersion and oxygen breathing p 122 N86-19860 Effects of dry and humidified breathing gas (air) at 37
USSR Lung volumes and dynamic compliance during immersion and oxygen breathing p 122 N86-19860 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions
USSR p 119 N86-19845 Lung volumes and dynamic compliance during immersion and oxygen breathing p 122 N86-19860 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861 Treadmill spiroergometry in the selection and screening
USSR p 119 N86-19845 Lung volumes and dynamic compliance during immersion and oxygen breathing p 122 N86-19860 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan
USSR Lung volumes and dynamic compliance during immersion and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325
USSR p 119 N86-19845 Lung volumes and dynamic compliance during immersion and oxygen breathing p 122 N86-19860 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325 Relationship of cardiopulmonary fitteess to flight
USSR Lung volumes and dynamic compliance during immersion and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325
USSR Lung volumes and dynamic compliance during prize ffects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions prize N86-19861  Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force pulmonary fitness to flight performance in tactical aviation price fitness to flight performance in tactical aviation price fitness to flight performance in tactical aviation and spontaneous
USSR p 119 N86-19845 Lung volumes and dynamic compliance during immersion and oxygen breathing p 122 N86-19860 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force Relationship of cardiopulmonary fitness to flight performance in tactical aviation p 401 N86-30325 ULMONARY LESIONS Diffuse pulmonary ossification and spontaneous pneumothorax in a pilot - A case report
USSR Lung volumes and dynamic compliance during immersion and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861  Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325  Relationship of cardiopulmonary performance in tactical aviation p 401 N86-30326  ULMONARY LESIONS  Diffuse pulmonary ossification pneumothorax in a pilot - A case report p 395 A86-44093
USSR Lung volumes and dynamic compliance during immersion and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861  Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325 Relationship of cardiopulmonary performance in tactical avaitation p 401 N86-30326  ULMONARY LESIONS  Diffuse pulmonary ossification p 995 A86-44093 Lung rupture as a complication in free escape from
USSR Lung volumes and dynamic immersion and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861  Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325 Relationship of cardiopulmonary fitness to flight performance in tactical aviation ULMONARY LESIONS Diffuse pulmonary ossification and spontaneous pneumothorax in a pilot - A case report p 395 A86-44093 Lung rupture as a complication in free escape from submarines p 122 N86-19862 ULSE RATE
USSR p 119 N86-19845 Lung volumes and dynamic compliance during p 122 N86-19860 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325 Relationship of cardiopulmonary performance in tactical aviation p 401 N86-30326 Bulmonary Ossification and spontaneous pneumothorax in a pilot - A case report p 395 A86-44093 Lung rupture as a complication in free escape from submarines p 122 N86-19862 ULSE RATE Bioimpedance measurement with respect to pulsatile
USSR p 119 N86-19845 Lung volumes and dynamic compliance during p 122 N86-19860 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325 Relationship of cardiopulmonary fitness to flight performance in tactical aviation p 401 N86-30325 ULMONARY LESIONS Diffuse pulmonary ossification and spontaneous pneumothorax in a pilot - A case report p 395 A86-44093 Lung rupture as a complication in free escape from submarines p 122 N86-19862 ULSE RATE Bioimpedance measurement with respect to pulsatile pulmonary blood flow p 271 A86-36316
USSR Lung volumes and dynamic immersion and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19860 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325 Relationship of cardiopulmonary fitness to flight performance in tactical aviation p 401 N86-30326 ULMONARY LESIONS Diffuse pulmonary ossification and spontaneous pneumothorax in a pilot - A case report p 395 A86-44093 Lung rupture as a complication in free escape from submarines p 122 N86-19862 ULSE RATE Bioimpedance measurement with respect to pulsatile pulmonary blood flow Dynamics of changes of statistical indicators of heart
USSR Lung volumes and dynamic compliance during immersion and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861  Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325 Relationship of cardiopulmonary performance in tactical aviation pulmonary ossification pneumothorax in a pilot - A case report p 395 A86-44093 Lung rupture as a complication in free escape from submarines p 122 N86-19862  ULSE RATE  Bioimpedance measurement with respect to pulsatile pulmonary blood flow Dynamics of changes of statistical indicators of heart rhythm of persons with different degree of motion
USSR Lung volumes and dynamic compliance during perfects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19860 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325 Relationship of cardiopulmonary performance in tactical aviation pulmonary ossification pneumothorax in a pilot - A case report p 395 A86-44093 Lung rupture as a complication in free escape from pulmonary blood flow p 122 N86-36316 Dynamics of changes of statistical indicators of heart rhythm of persons with different degree of motion p 12 N86-10743 ULSES
USSR Lung volumes and dynamic compliance during prize flects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions prize high performance combat aircraft pilots in the Beligan Air Force proformance in tactical aviation price performance in tactical aviation price pulmonary proformance in tactical aviation price pulmonary proformance in a pilot - A case report proformance proformance in a pilot - A case report proformance proformance in a pilot - A case report proformance proformance in a pilot - A case report proformance proformance in a pilot - A case report proformance proformance proformance in a pilot - A case report proformance proformance proformance in a pilot - A case report proformance proformance proformance proformance proformance proformance proformance in tactical aviation proformance profor
USSR p 119 N86-19845 Lung volumes and dynamic compliance during p 122 N86-19860 Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325 Relationship of cardiopulmonary performance in tactical aviation p 401 N86-30325 ULMOMARY LESIONS Diffuse pulmonary ossification p 201 N86-30325 ULMOMARY LESIONS Lung rupture as a complication in free escape — from submarines p 122 N86-19862 ULSE RATE Bioimpedance measurement with respect to pulsatile pulmonary blood flow p 271 A86-36316 Dynamics of changes of statistical indicators of heart rhythm of persons with different sickness p 12 N86-10743 ULSES Electron reactions in model and biological systems [DE85-016062]
ULMONARY LESIONS Diffuse pulmonary oscification pneumothorax in a pilot - A case report  Lung rupture as a complication in free escape from pulmonary blood flow pneumothy flow policy pneumothy policy pneumothy policy pneumothy pneum
USSR p 119 N86-19845  Lung volumes and dynamic compliance during p 122 N86-19860  Effects of dry and humidified breathing gas (air) at 37  C on pulmonary function in hyperbaric conditions p 122 N86-19861  Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325  Relationship of cardiopulmonary performance in tactical aviation p 401 N86-30326  ULMONARY LESIONS  Diffuse pulmonary ossification p 395 A86-44093  Lung rupture as a complication in free escape — from submarines p 122 N86-19862  ULSE RATE  Bioimpedance measurement with respect to pulsatile pulmonary blood flow Dynamics of changes of statistical indicators of heart hythm of persons with different degree of motion sickness p 12 N86-10743  ULSES  Electron reactions in model and biological systems p 55 N86-15861  UPILLOMETRY  On the importance of cooling in climatic therapy p 165 N86-21020
USSR Lung volumes and dynamic compliance during prize flects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions prize his profession and oxygen breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions prize his profession and screening of high-performance combat aircraft pilots in the Beligan Air Force profession and screening of high-performance combat aircraft pilots in the Beligan performance in tactical aviation preformance in tactical aviation profession and spontaneous programments in a pilot - A case report profession and spontaneous programments prize high pri
USSR Lung volumes and dynamic compliance during prize the section and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions prize N86-19861  Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325  Relationship of cardiopulmonary performance in tactical aviation pulmonary performance in tactical aviation property in the selection and screening of high-performance combat aircraft pilots in the Beligan property performance in tactical aviation property
USSR Lung volumes and dynamic compliance during immersion and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861  Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325  Relationship of cardiopulmonary performance in tactical aviation p 401 N86-30325  Biffuse pulmonary ossification p 401 N86-30325  Diffuse pulmonary ossification pneumothorax in a pilot - A case report p 395 A86-44093  Lung rupture as a complication in free escape from submarines p 122 N86-19862  ULSE RATE  Bioimpedance measurement with respect to pulsatile pulmonary blood flow p 271 A86-36316  Dynamics of changes of statistical indicators of heart discress p 15 N86-15861  USSES Electron reactions in model and p 55 N86-15861  UPILLOMETRY  On the importance of cooling in climatic therapy p 165 N86-21020  URIFICATION  Development of U.S. Army reverse osmosis water purification equipment
ULMONARY LESIONS Diffuse pulmonary osafication pneumothorax in a pilot - A case report Lung rupture as a complication in free escape from submarines ULSE RATE Bioimpedance measurement with respect to pulsatile pulmonary blood flow Dynamics of changes of statistical indicators of heart hythm of persons with different sickness ULSES Electron reactions in model and p55 N86-15861 ULNES PASS DIFUS DYNBOLDEN DYNBOL
USSR Lung volumes and dynamic complication immersion and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861  Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325  Relationship of cardiopulmonary fitness to flight performance in tactical aviation p 401 N86-30325  Diffuse pulmonary ossification p 401 N86-30326  ULMONARY LESIONS  Diffuse pulmonary ossification pneumothorax in a pilot - A case report  Lung rupture as a complication in free escape — from submarines p 122 N86-19862  ULSE RATE  Bioimpedance measurement with respect to pulsatile pulmonary blood flow p 271 A86-36316  Dynamics of changes of statistical indicators of heart thythm of persons with different degree of motion sickness p 15 N86-15861  ULSES  Electron reactions in model and p 500 Signal systems p 55 N86-15861  UPILLOMETRY  On the importance of cooling in climatic therapy p 165 N86-21020  URIFICATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621  Evaluation of water sterilizing tablets  [AD-A165606]
USSR Lung volumes and dynamic compliance during immersion and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19860 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325 Relationship of cardiopulmonary fitness to flight performance in tactical aviation p 401 N86-30325 Relationship of cardiopulmonary fitness to flight performance in tactical aviation p 401 N86-30325 Relationship of cardiopulmonary fitness to flight performance in tactical aviation p 401 N86-30325 Relationship of cardiopulmonary fitness to flight purformance in tactical aviation p 401 N86-30325 Relationship of cardiopulmonary p 508-846-44093 Lung rupture as a complication in free escape — from submarines p 122 N86-19862 ULSE RATE  Bioimpedance measurement with respect to pulsatile pulmonary blood flow Dynamics of changes of statistical indicators of heart rhythm of persons with different degree of motion p 12 N86-10743 ULSES  Electron reactions in model and p 55 N86-15861 UPILLOMETRY  On the importance of cooling in climatic therapy p 165 N86-21020 URIFICATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621 URSUIT TRACKING
USSR Lung volumes and dynamic compliance during prize flects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions prize flects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions prize fleets of high-performance combat aircraft pilots in the Beligan Air Force prize fleationship of cardiopulmonary performance in tactical aviation preformance in tactical aviation programment in a pilot - A case report prize fleets in the prize fleets in the selection and screening of high-performance combat aircraft pilots in the Beligan preformance in tactical aviation programment in the selection and screening of high-performance of prize fleets to flight proformance in tactical aviation programment in the selection and screening of the programment in the selection and screening programment programment programment in the selection and screening proformance in tactical aviation programment proformance in tactical aviation programment program
USSR Lung volumes and dynamic compliance during immersion and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions p 122 N86-19861  Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325  Relationship of cardiopulmonary performance in tactical aviation p 401 N86-30325  Biffuse pulmonary ossification p 401 N86-30325  Diffuse pulmonary ossification pneumothorax in a pilot - A case report p 395 A86-44093  Lung rupture as a complication in free escape from submarines p 122 N86-19862  ULSE RATE  Bioimpedance measurement with respect to pulsatile pulmonary blood flow p 271 A86-36316  Dynamics of changes of statistical indicators of heart sickness  Lectron reactions in model and biological systems p 55 N86-15861  UPILLOMETRY  On the importance of cooling in climatic therapy p 165 N86-21020  URIFICATION  Development of U.S. Army reverse osmosis water purification equipment [AD-A165866] p 385 N86-28621  URSUIT TRACKING  Task parameters affecting individual differences in pursuit and compensatory tracking performance
ULMONARY LESIONS Diffuse pulmonary osafication pneumothorax in a pilot - A case report  Bioimpedance measurement with respect to pulsatile pulmonary blood flow Dynamics of changes of statistical indicators of heart hybrid no fees of cooling in climatic therapy p 165 N86-19861  ULSE RATE Bioimpedance measurement with respect to pulsatile pulmonary blood flow Dynamics of changes of statistical indicators of heart hybrid not heart of the more cooling in climatic therapy p 165 N86-28621  ULSE RATE Bioimpedance measurement with respect to pulsatile pulmonary blood flow Dynamics of changes of statistical indicators of heart hybrid not persons with different sickness  ULSE RATE Bioimpedance of cooling in climatic therapy p 165 N86-21020  URIFICATION Development of U.S. Army reverse osmosis water purification equipment [AD-A1658667] p 385 N86-28622  URSUST TRACKING Task parameters affecting individual differences in pursuit and compensatory tracking performance
USSR Lung volumes and dynamic immersion and oxygen breathing Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions P 122 N86-19860 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force P 401 N86-30325 Relationship of cardiopulmonary performance in tactical aviation P 401 N86-30325 Relationship of cardiopulmonary performance in tactical aviation P 401 N86-30325 Relationship of cardiopulmonary performance in tactical aviation P 401 N86-30325 Relationship of cardiopulmonary performance in tactical aviation P 401 N86-30325 Relationship of cardiopulmonary performance in tactical aviation P 401 N86-30325 Relationship of cardiopulmonary performance in tactical aviation P 401 N86-30325 Relationship of cardiopulmonary performance in tactical aviation P 401 N86-30325 Relationship of cardiopulmonary performance in tactical aviation persons with different submarines P 401 N86-30325 Relationship of cardiopulmonary performance with respect to pulsatile pulmonary blood flow p 122 N86-19862 Respect to pulsatile pulmonary blood flow p 271 A86-36316 Dynamics of changes of statistical indicators of heart degree of motion sickness Relectron reactions in model and p 12 N86-10743 RULSES Relectron reactions in model and biological systems p 55 N86-15861 RULSES Relectron reactions in model and biological systems p 55 N86-15861 RULSES Relectron reactions in model and biological systems p 55 N86-15861 RULSES Relectron reactions in model and biological systems p 55 N86-15861 RULSES Relectron reactions in model and biological systems p 55 N86-15861 RULSES RELECTRON RULSES R
ULMONARY LESIONS Diffuse pulmonary osafication pneumothorax in a pilot - A case report  Bioimpedance measurement with respect to pulsatile pulmonary blood flow Dynamics of changes of statistical indicators of heart hybrid no fees of cooling in climatic therapy p 165 N86-19861  ULSE RATE Bioimpedance measurement with respect to pulsatile pulmonary blood flow Dynamics of changes of statistical indicators of heart hybrid not heart of the more cooling in climatic therapy p 165 N86-28621  ULSE RATE Bioimpedance measurement with respect to pulsatile pulmonary blood flow Dynamics of changes of statistical indicators of heart hybrid not persons with different sickness  ULSE RATE Bioimpedance of cooling in climatic therapy p 165 N86-21020  URIFICATION Development of U.S. Army reverse osmosis water purification equipment [AD-A1658667] p 385 N86-28622  URSUST TRACKING Task parameters affecting individual differences in pursuit and compensatory tracking performance

Hesitation in tracking induced by a concurrent manual

p 439 N86-32995

task

PYRENES		
Production and characterizatio benzo(a)pyrene	n of au	ntibodies to
[DE86-002204] PYROLYSIS	p 222	N86-23271
Initial development and perform process for formation of dense ca	ance eva	aluation of a
metnane		
[SAE PAPER 851342] New physical methods for biolog	p 138 ical aero:	A86-23529 sol detection
[AD-A158218] Development of a carbon formati	p 29	N86-13881
dioxide reduction [NASA-CR-171907]	p 46	
Comparative analysis of condensates	biomass	
[DE86-001773]	p 159	N86-21102
Use of laboratory simulated py history of sedimentary organic matter	<i>r</i> rolysis ir er	tracing the
PYROLYTIC MATERIALS	p 304	N86-26884
Inhalation toxicology. Part 6: Eva toxicity of thermal decomposition panel materials	luation of oducts fr	f the relative om 9 aircraft
[AD-A168250]	p 424	N86-32958
PYROTECHNICS Evaluation of materials for therms	al protect	ion
[AD-P004901] PYRUVATES	p 187	N86-20638
Lactate, pyruvate, and lactate-to- exercise and recovery	-pyruvate p 8	ratio during A86-10110
Q		
O FACTORS		
Q FACTORS	_	
Radiobiological validation of quality helium ions	y factor of p 287	f protons and N86-27895
Radiobiological validation of qualithelium ions  QUALIFICATIONS  Personality type analysis of A	p 287 ir Force	N86-27895
Radiobiological validation of qualithelium ions  QUALIFICATIONS  Personality type analysis of A	p 287 ir Force	N86-27895
Radiobiological validation of qualithelium ions QUALIFICATIONS Personality type analysis of A Technology School of Systems ar degree 85S class using Myers-Brigg [AD-A161053]	p 287 ir Force	N86-27895 Institute of ics graduate ndicator
Radiobiological validation of qualithelium ions  QUALIFICATIONS  Personality type analysis of A Technology School of Systems ardegree 85S class using Myers-Brigg [AD-A161053]  QUALITATIVE ANALYSIS  An examination of the life	p 287 ir Force nd Logist gs Type-li p 181 support	N86-27895 Institute of ics graduate ndicator N86-22107
Radiobiological validation of qualithelium ions QUALIFICATIONS Personality type analysis of A Technology School of Systems ar degree 85S class using Myers-Brigg [AD-A161053] QUALITATIVE ANALYSIS An examination of the life development and acquisition process	p 287 ir Force nd Logist js Type-li p 181 support	N86-27895 Institute of ics graduate ndicator N86-22107 equipment
Radiobiological validation of qualithelium ions  QUALIFICATIONS  Personality type analysis of A Technology School of Systems ar degree 85S class using Myers-Brigg [AD-A161053]  QUALITATIVE ANALYSIS  An examination of the life development and acquisition procest [AD-A162241]  QUALITY CONTROL	p 287 ir Force nd Logist gs Type-li p 181 support ss p 242	N86-27895 Institute of ics graduate ndicator N86-22107 equipment N86-24221
Radiobiological validation of qualithelium ions QUALIFICATIONS Personality type analysis of A Technology School of Systems ar degree 85S class using Myers-Brigg [AD-A161053] QUALITATIVE ANALYSIS An examination of the life development and acquisition proces [AD-A162241] QUALITY CONTROL Examination of retinal pattern thre possible effect on computer access	p 287 ir Force nd Logist gs Type-li p 181 support ss p 242 eshold leves control	N86-27895 Institute of ics graduate ndicator N86-22107 equipment N86-24221 rels and their mechanisms
Radiobiological validation of qualithelium ions QUALIFICATIONS Personality type analysis of A Technology School of Systems ar degree 85S class using Myers-Brigg [AD-A161053] QUALITATIVE ANALYSIS An examination of the life development and acquisition procest [AD-A162241] QUALITY CONTROL Examination of retinal pattern three	p 287 ir Force nd Logist gs Type-li p 181 support ss p 242 eshold lev	N86-27895 Institute of ics graduate ndicator N86-22107 equipment N86-24221
Radiobiological validation of qualithelium ions QUALIFICATIONS Personality type analysis of A Technology School of Systems ardegree 85S class using Myers-Brigg [AD-A161053] QUALITATIVE ANALYSIS An examination of the life development and acquisition process [AD-A16241] QUALITY CONTROL Examination of retinal pattern three possible effect on computer access [AD-A161213] QUARTZ Development of a carbon formatic	p 287 ir Force ind Logist js Type-li p 181 support ss p 242 schold leve s control p 128	N86-27895 Institute of ics graduate ndicator N86-22107 equipment N86-24221 rels and their mechanisms N86-19895
Radiobiological validation of qualithelium ions  QUALIFICATIONS  Personality type analysis of A Technology School of Systems ar degree 85S class using Myers-Brigg [AD-A161053]  QUALITATIVE ANALYSIS  An examination of the life development and acquisition procest [AD-A162241]  QUALITY CONTROL  Examination of retinal pattern three possible effect on computer access [AD-A161213]  QUARTZ	p 287 ir Force ind Logist js Type-li p 181 support ss p 242 schold leve s control p 128	N86-27895 Institute of ics graduate ndicator N86-22107 equipment N86-24221 rels and their mechanisms N86-19895
Radiobiological validation of qualithelium ions QUALIFICATIONS Personality type analysis of A Technology School of Systems ar degree 85S class using Myers-Brigg [AD-A161053] QUALITATIVE ANALYSIS An examination of the life development and acquisition proces [AD-A162241] QUALITY CONTROL Examination of retinal pattern thre possible effect on computer access [AD-A161213] QUARTZ Development of a carbon formati dioxide reduction	p 287 ir Force d Logist s Type-li p 181 support ss p 242 shold levs c control p 128 on reactor	N86-27895 Institute of ics graduate odicator N86-22107 equipment N86-24221 rels and their mechanisms N86-19895 or for carbon
Radiobiological validation of qualithelium ions QUALIFICATIONS Personality type analysis of A Technology School of Systems at degree 85S class using Myers-Brigg [AD-A161053] QUALITATIVE ANALYSIS An examination of the life development and acquisition procest [AD-A162241] QUALITY CONTROL Examination of retinal pattern three possible effect on computer access [AD-A161213] QUARTZ Development of a carbon formatic dioxide reduction [NASA-CR-171907]	p 287 ir Force nd Logist ps Type-le p 181 support s p 242 schold leve s control p 128 on reacto	N86-27895 Institute of ics graduate odicator N86-22107 equipment N86-24221 rels and their mechanisms N86-19895 or for carbon N86-13898
Radiobiological validation of qualithelium ions QUALIFICATIONS Personality type analysis of A Technology School of Systems ar degree 85S class using Myers-Brigg [AD-A161053] QUALITATIVE ANALYSIS An examination of the life development and acquisition proces [AD-A162241] QUALITY CONTROL Examination of retinal pattern thre possible effect on computer access [AD-A161213] QUARTZ Development of a carbon formati dioxide reduction [NASA-CR-171907]  RABBITS Development and use of anuclea assay the in vivo activity of pollutan	p 287 ir Force nd Logists gs Type-In p 181 support ss p 242 schold levs control p 128 on reacto p 46	N86-27895 Institute of ics graduate ndicator N86-22107 equipment N86-24221 rels and their mechanisms N86-19895 or for carbon N86-13898 erial cells to
Radiobiological validation of qualithelium ions QUALIFICATIONS Personality type analysis of A Technology School of Systems ard degree 85S class using Myers-Brigg [AD-A161053] QUALITATIVE ANALYSIS An examination of the life development and acquisition procest [AD-A162241] QUALITY CONTROL Examination of retinal pattern three possible effect on computer access [AD-A161213] QUARTZ Development of a carbon formatification development of a carbon formatification [NASA-CR-171907]  RABBITS Development and use of anuclea assay the in vivo activity of pollutan [AD-A162727] Production and characterization	p 287 ir Force nd Logist gs Type-II p 181 support sp 242 shold leve s control p 128 on reacto p 46 atted bact ts p 160	N86-27895 Institute of ics graduate odicator N86-22107 equipment N86-24221 rels and their mechanisms N86-19895 or for carbon N86-13898
Radiobiological validation of qualithelium ions  QUALIFICATIONS  Personality type analysis of A Technology School of Systems at degree 85S class using Myers-Brigg [AD-A161053]  QUALITATIVE ANALYSIS  An examination of the life development and acquisition procest [AD-A162241]  QUALITY CONTROL  Examination of retinal pattern three possible effect on computer access [AD-A161213]  QUARTZ  Development of a carbon formati dioxide reduction [NASA-CR-171907]  RABBITS  Development and use of anuclea assay the in vivo activity of pollutant [AD-A162727]	p 287 ir Force nd Logist gs Type-II p 181 support sp 242 shold leve s control p 128 on reacto p 46 atted bact ts p 160	N86-27895 Institute of ics graduate ndicator N86-22107 equipment N86-24221 rets and their mechanisms N86-19895 or for carbon N86-13898 erial cells to N86-22089
Radiobiological validation of qualithelium ions QUALIFICATIONS Personality type analysis of A Technology School of Systems ard degree 85S class using Myers-Brigg [AD-A161053] QUALITATIVE ANALYSIS An examination of the life development and acquisition procest [AD-A162241] QUALITY CONTROL Examination of retinal pattern three possible effect on computer access [AD-A161213] QUARTZ Development of a carbon formatification development of a carbon formatification [NASA-CR-171907]  RABBITS Development and use of anuclea assay the in vivo activity of pollutan [AD-A162727] Production and characterization benzo(a)pyrene [DE86-002204] Toxicological study of NTO	p 287  ir Force od Logist ye 181  support sp 242  schold levs control p 128  on reactor p 46  ated bact ts p 160  n of ar p 222	N86-27895 Institute of ics graduate odicator N86-22107 equipment N86-24221 rels and their mechanisms N86-19895 or for carbon N86-13898 erial cells to N86-22089 htibodies to N86-23271
Radiobiological validation of qualithelium ions QUALIFICATIONS Personality type analysis of A Technology School of Systems ard degree 85S class using Myers-Brigg [AD-A161053] QUALITY ENALYSIS An examination of the life development and acquisition process [AD-A162241] QUALITY CONTROL Examination of retinal pattern three possible effect on computer access [AD-A161213] QUARTZ Development of a carbon formati dioxide reduction [NASA-CR-171907]  RABBITS Development and use of anuclear assay the in vivo activity of pollutant [AD-A162727] Production and characterization benzo(a)pyrene [DE86-002204]	p 287  ir Force of Logist 18 Type-II p 181  support is p 242  eshold levs control p 128  on reactor p 46  ated bact ts p 160  n of ar p 222  p 258	N86-27895 Institute of ics graduate odicator N86-22107 equipment N86-24221 rels and their mechanisms N86-19895 or for carbon N86-13898 erial cells to N86-22089 htibodies to N86-23271 N86-25986

[ND-NIOEIEI]	PIOU	1100-22009
Production and characterization	of a	antibodies to
benzo(a)pyrene		
[DE86-002204]	p 222	N86-23271
Toxicological study of NTO		
[DE86-003296]	p 258	N86-25986
Intrinsic alteration of the reactive p	ropert	ies of arteries
during hypothermia		
[AD-A166523]	p 402	N86-31213
RADAR		
The effects of bimodal presentation	of stin	nuli and noise

on target detection [AD-A160122] p 134 N86-18981 RADAR EQUIPMENT

Hygienic assessment of the electromagnetic radiation levels generated by radar installations p 271 A86-36499 RADAR IMAGERY

Color coding of synthetic aperture radar imagery

Simulated terrain following flight - Visual and radar terrain correlation requirements p 231 A86-29906 RADIATION Psychological aspects of personnel contamination [DE85-012955]

p 21 N86-11853 **RADIATION CHEMISTRY** 

Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003

Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei

p 77 A86-17740

p 142 A86-23713

RADIATION DAMAGE Molecular mechanisms of cell death induced by radiation Russian book D 27 A86-15474 Morphological changes in some internal organs of guinea pigs due to the effect of a constant electromagnetic field p 103 A86-23490 Postradiation disorders of peripheral-nerve regeneration and the role of free-radical oxidation products in the appearance of these disorders p 105 A86-24422 Evaluation of radiation-induced damage in the erythrocyte membranes of rats and dogs according to changes in the erythrocyte sedimentation behavior p 106 A86-24424 Nonionizing radiation damage in the eye p 251 A86-33838 Postradiation regional cerebral blood flow in primates p 373 A86-41786 The photobiological aspects of radiation damage in cells p 392 A86-44295 --- Russian book On the effects of X irradiation on the Bacillus subtilis ores in a day and wet system [DFVLR-FB-85-441] p 56 N86-15864 Biological effects of ionizing radiation p 288 N86-27909 **RADIATION DOSAGE** A handbook of radiation dosimetry and hygiene ---Russian book D 25 A86-13457 The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150 Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423 Absorption of millimeter waves by human beings and its biological implications p 111 A86-24442 Stimulation of brain muscarinic acetylcholine receptors acutely reverses radiogenic hypodipsia [AD-A167057] p 156 A86-29096 Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168 Hygienic assessment of the electromagnetic radiation levels generated by radar installations p 271 A86-36499 The new ANSI RF radiation exposure standard - Its background and impact p 371 A86-40519 Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270 Effect of single actions of weak electromagnetic fields of ultralow frequency on indices of endocrine system p 12 N86-10744 Approaches to quantitative expression of [DE85-013498] p 15 N86-10772 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-0130411 p 17 N86-11845 Accidental exposure to americium [DE85-012794] p 39 N86-12965 Studies concerned with basic radiation protection criteria and studies concerned with guidance and information [AD-A1583191 p 63 N86-14874 Neutron effects in humans: Protection considerations [DE85-015047] p 64 N86-14882 Advances in radiobiological research: Нурохіс irradiation effects p 57 N86-15894 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam n 84 N86-16886 A proposal for a longitudinal study to assess the hazards of radiation in space flight p 117 N86-18975 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104 Light-Weight Radioisotope Heater Unit Safety Analysis Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113 Radioprotection update [BLL-CE-TRANS-8223-(9022-091 p 187 N86-21146 Measurement techniques for use with technique/exposure guides [PB86-123718] n 222 N86-23272 Evaluation of radiation exposure from diagnostic radiology examinations: General recommendation [PB86-125903] p 222 N86-23273 Evaluation of radiation exposure from diagnostic radiology examinations: Technique/exposure guides for

the craniocaudal projection in mammography

Behavioral effects of microwave radiation absorption

[PB86-126075]

[PB86-113735]

p 222 N86-23274

p 222 N86-23275

EFFECTS: Documentation and verification for a BEIR	Assessment of selected physiological indicators in	Improveding all and a second s
3 cancer risk model based on age, sex and population	antenna operators at short-wave transmitting and receiving	Investigation of mechanisms of the radioprotective effect
dynamics for BIOTRAN	centers p 220 N86-23250	of agonists of catecholamine receptors - involvement of
[DE86-003285] p 226 N86-24210	Radiation induction of cancer of the skin	both subtypes of alpha-adrenoreceptors in the radioprotective effect p 208 A86-32698
Evaluating compliance with FCC (Federal	[DE86-002201] p 221 N86-23270	
Communications Commission) specified guidelines for	•	Studies of radioprotective properties of adeturon and
human exposure to radiofrequency radiation	Biological effects and physical safety aspects of NMR	polyanion, applied separately and in combination
[PB86-127081] p 256 N86-25117	imaging and in vivo spectroscopy [DE86-002966] p 213 N86-24190	p 208 A86-32699
USSR report: Space Biology and Aerospace Medicine,	F = 11.1	Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270
no. 1, January - February 1986	Mechanism of electromagnetic energy effects on the	
[JPRS-USB-86-003] p 278 N86-27878	nervous system: Voltage-clamp study	Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West
Effect of different doses of ultraviolet radiation on vitamin	[AD-A164653] p 282 N86-26798	Germany on 11-13 September 1984
levels in man p 287 N86-27893	Microwave effects on CNS: A histopathologic,	
Method of demonstrating calcium in human foot by	ultrastructural and autoradiographic study	[AD-A157090] p 38 N86-12959 Studies concerned with basic radiation protection criteria
neutron activation of (alpha, N)-sources	[AD-A165040] p 277 N86-27867	and studies concerned with guidance and information
p 287 N86-27899	Prospects for using ultraviolet radiation in long-term	
Effects of radiation health p 288 N86-27910	spaceflights p 285 N86-27879	[AU-A158319] p 63 N86-14874 Neutron effects in humans: Protection considerations
Effects of 60 Hz electric fields on operant and social	Effect of different doses of ultraviolet radiation on vitamin	[DE85-015047] p 64 N86-14882
stress behaviors of nonhuman primates	levels in man p 287 N86-27893	Radioprotection update
[DE86-003748] p 310 N86-27923	Radiobiological validation of quality factor of protons and	[BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146
AFRRI (Armed Forces Radiobiology Research	helium ions p 287 N86-27895	Suppression of antibody forming cells by muramyl
Institute)	Effects of 60 Hz electric fields on operant and social	Di-peptides
[AD-A165810] p 379 N86-28614	stress behaviors of nonhuman primates	[AD-A162400] p 159 N86-22084
Bacterial inactivation by means of ionizing radiation	[DE86-003748] p 310 N86-27923	Evaluation of radiation exposure from diagnostic
[DE86-901038] p 412 N86-30348	RADIATION HAZARDS	radiology examinations: Technique/exposure guides for
Cytogenetic analyses of peripheral lymphocytes	Likelihood of high rates of energy deposition in the	the craniocaudal projection in mammography
subjected to simulated solar flare radiation	human legs at the ANSI recommended 3-30-MHz RF safety	[PB86-126075] p 222 N86-23274
p 412 N86-31431	levels p 58 A86-17918	Radioprotective and therapeutic efficacy of carrageenan
Inhalation toxicology. Part 6: Evaluation of the relative	F 10 1.00 1.010	against proton radiation p 287 N86-27904
toxicity of thermal decomposition products from 9 aircraft	The new ANSI RF radiation exposure standard - Its background and impact p 371 A86-40519	Elements of Radiation Protection
panel materials	• • • • • • • • • • • • • • • • • • • •	[ISS-L-84/7] p 288 N86-27908
[AD-A168250] p 424 N86-32958	On the biological hazard of galactic antinuclei	Operating radiation protection: Physical aspects
RADIATION EFFECTS	p 378 A86-43437	p 288 N86-27911
The effect of a microwave radiation (2.45 GHz CW) on	Approaches to quantitative expression of dose	_ ·
the molt of house finches (Carpodacus Mexicanus)	response	Operating radiation protection: Medical aspects p 288 N86-27912
p 52 A86-18513	[DE85-013498] p 15 N86-10772	RADIATION SHIELDING
Effects of psychotropic drugs on thermal responses to	Thyroid absorbed dose for people at Rongelap, Utirik	
radiofrequency radiation p 59 A86-18838	and Sifo on March 1, 1954	Radiation transport of cosmic ray nuclei in lunar material
Effect of nonionizing microwave radiation on the	[DE85-014695] p 17 N86-11846	and radiation doses p 191 A86-30168
autoimmune reactions and antigenic structure of serum	China report: Science and technology	RADIATION SICKNESS
proteins p 106 A86-24425	[JPRS-CST-85-019] p 39 N86-12966	Radiation-sickness mechanisms Russian book
Absorption of millimeter waves by human beings and	Studies concerned with basic radiation protection criteria	p 27 A86-15444
its biological implications p 111 A86-24442	and studies concerned with guidance and information	An anaerobic shift in energy metabolism in the mouse
Prospects for using millimeter-band electromagnetic	[AD-A158319] p 63 N86-14874	brain during recovery from acute radiation sickness
radiation as an efficient way of obtaining information on	A proposal for a longitudinal study to assess the hazards	p 276 A86-39720
specific processes in living organisms	of radiation in space flight	Hypoxia prophylaxis against radiation injury
p 246 A86-35088	[AD-A160801] p 117 N86-18975	p 220 N86-23244
Changes in the carbohydrate energy metabolism in the		RADIATION SOURCES
set broin under lease rediction - 570 too 55710	LIGHT-WEIGHT HAGIOISOTODE HEATER UNIT SATETY ANALYSIS	
rat brain under laser radiation p 276 A86-39719	Light-Weight Radioisotope Heater Unit Safety Analysis Report (LWRHU-SAR), Volume 1, A. Introduction and	AFRRI (Armed Forces Radiobiology Research
The mechanisms of the effect of nonionizing radiation	Report (LWRHU-SAR). Volume 1. A. Introduction and	Institute)
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)	Institute) [AD-A165810] p 379 N86-28614
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721. The effect of radiation on the concentration and	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721  The effect of radiation on the concentration and metabolism of dopamine in the rat brain  p 276 A86-39722	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113 The effect of high frequency electromagnetic fields on	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721. The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722. Stimulating effect of space flight factors on Artemia cysts	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113 The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space (light factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113 The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193 Calculations on technical requirements for protection	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207 A86-31375
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721  The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722  Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787  The activity of cholinesterase and norepinephrine after	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113 The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) Calculations on technical requirements for protection devices against a nuclear light flash	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz)  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays  The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points  p 414 A86-49921	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721  The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722  Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787  The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points  p 414 A86-49921  Assessments and viewpoints on the biological and	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash p 284 N86-26819  Elements of Radiation Protection [ISS-L-84/7] p 288 N86-27908	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points  p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF)	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113 The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) Calculations on technical requirements for protection devices against a nuclear light flash p 284 N86-26819 Elements of Radiation Protection [ISS-L-84/7] p 288 N86-27908 Effects of radiation health p 288 N86-27910	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721  The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722  Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787  The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921  Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects  p 288 N86-27911	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury  p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator  Radiosensitivity of animals irradiated in modified gas
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects  p 288 N86-27911  Operating radiation protection: Medical aspects  p 288 N86-27912	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury  p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator  Radiosensitivity of animals irradiated in modified gas
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects  p 288 N86-27911  Operating radiation protection: Medical aspects  p 288 N86-27912  Assessing possible damage due to radio frequency	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury  p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD) [DE86-001457] p 172 N86-21113 The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193 Calculations on technical requirements for protection devices against a nuclear light flash  Elements of Radiation Protection [ISS-L-84/7] p 288 N86-26819 Effects of radiation health p 288 N86-27910 Operating radiation protection: Physical aspects	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz)  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects  p 288 N86-27911  Operating radiation protection: Medical aspects  p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury  p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation  p 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator  P 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] Proceedings of a workshop on Radiofrequency	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors — Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A15942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects  p 288 N86-27911  Operating radiation protection: Medical aspects  p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913]  Air Force technical objective document, Aerospace Medical Division, FY 1987	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  P 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-1847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz)  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects  p 288 N86-27911  Operating radiation protection: Medical aspects  p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-1847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-012955] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] roceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27908  Effects of radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  D 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points  Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] Psychological aspects of personnel contamination [DE85-012955] Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  P 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A1167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors — Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards of radiation in space flight
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12954	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz)  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects  p 288 N86-27911  Operating radiation protection: Medical aspects  p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury  p 20 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system  [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards of radiation in space flight  [AD-A160801] p 117 N86-18975
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 186-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959 Studies of participants in nuclear tests p 38 N86-12964 Effects of long-term low-level radiofrequency radiation	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  P 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A1167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury  p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation  P 287 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation  P 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system  [DFVLR-FB-85-44]  Physico-chemical studies of radiation effects in cells [DE85-014681]  p 83 N86-15864  A proposal for a longitudinal study to assess the hazards of radiation in space flight  [AD-A160801]  P 117 N86-18975
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points  P 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters  [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157909] p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects  p 288 N86-27911  Operating radiation protection: Medical aspects  p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors — Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23904  RADIATION TOLERANCE  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis soores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT  Radiation transport of cosmic ray nuclei in lunar material
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959 Studies of participants in nuclear tests p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-14842	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-001181] p 278 N86-27868	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury p 20 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE Radiofrequencies and microwaves - Radiation safety of the operator Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 Physico-chemical studies of radiation effects in cells [DE85-014681] A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT  Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-012941] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959 Studies of participants in nuclear tests p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summany [AD-A15912] USSR report: Life sciences. Biomedical and behavioral	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-001181] p 278 N86-27868	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury p 20 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE Radiofrequencies and microwaves - Radiation safety of the operator Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847 On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] Physico-chemical studies of radiation effects in cells [DE85-014681] p 58 N86-15864 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 184-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959 Studies of participants in nuclear tests p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-14842 USSR report: Life sciences.	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-001181] p 278 N86-27868  AFRRI (Armed Forces Radiobiology Research institute)  [AD-A165810] p 379 N86-28614	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors — Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radioserous and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system  [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards of radiation in space flight  [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT  Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO ASTRONOMY  A search for interstellar glycine p 274 A86-33668
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] Psychological aspects of personnel contamination (DE85-012955) Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] Studies of participants in nuclear tests p 38 N86-12959 Studies of participants in nuclear tests p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summany [AD-A159512] p 53 N86-14842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-USB-85-024]	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Medical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-001181] p 278 N86-27868  AFRRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] p 379 N86-28614	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT  Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO ASTRONOMY  A search for interstellar glycine p 274 A86-33668
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-4921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959 Studies of participants in nuclear tests p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summany [AD-A15912] p 53 N86-14842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-024] p 64 N86-14885 Physico-chemical studies of radiation effects in cells	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457]	Institute)   (AD-A165810]   p 379 N86-28614
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points  P 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project (AD-A156942) Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] Psychological aspects of personnel contamination [DE85-012955] Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157909] Studies of participants in nuclear tests P 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] P 53 N86-1842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-024] P 64 N86-14885 Physico-chemical studies of radiation effects in cells [DE85-014681] P 83 N86-16678	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-001181] p 278 N86-27868  AFRRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] P 379 N86-28614  RADIATION MEASUREMENT  Measurement techniques for use with technique/exposure guides	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury p 20 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-15864  A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO ASTRONOMY A search for interstellar glycine p 274 A86-33668  RADIO COMMUNICATION A decade of SETI observations p 308 N86-26905 Using the IRAS data to search in the asteroid belt for
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project (AD-A156942) p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination (DE85-012955) p 21 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157900] p 38 N86-12959 Studies of participants in nuclear tests p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-14842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-024] p 64 N86-14885 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 Biological effects of millimeter waves on the mouse	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects  p 288 N86-27911  Operating radiation protection: Medical aspects  p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation  p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-01181] p 278 N86-27868  AFRRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] p 379 N86-28614  RADIATION MEASUREMENT  Measurement techniques for use with technique/exposure guides  [P886-123718] p 222 N86-23272	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors — Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT  Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO ASTRONOMY  A search for interstellar glycine p 274 A86-33668  RADIO COMMUNICATION  A decade of SETI observations p 308 N86-26905  Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-4921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-012941] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 186-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12964 [AD-A157090] p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-14842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-024] p 64 N86-14885 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 Biological effects of millimeter waves on the mouse [FOA-C-50023-H1] p 83 N86-16879	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27908  Effects of radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-001181] p 278 N86-27868  AFRRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] p 379 N86-28614  RADIATION MEASUREMENT  Measurement techniques for use with technique/exposure guides  [P886-123718] p 222 N86-23272	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23944  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system  [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards of radiation in space flight  [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT  Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO ASTRONOMY  A search for interstellar glycine p 274 A86-33668  RADIO COMMUNICATION  A decade of SETI observations p 308 N86-26905  Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-26908
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points  P 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 18 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-14842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-024] p 64 N86-14885 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 Biological effects of millimeter waves on the mouse [FOA-C-50023-H1] p 83 N86-16879	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-001181] p 278 N86-27868  AFRRI (Armed Forces Radiobiology Research institute)  [AD-A165810] p 379 N86-28614  RADIATION MEASUREMENT  Measurement techniques for use with technique/exposure guides  [P886-123718] p 222 N86-23272  RADIATION MEASURING INSTRUMENTS  In vivo detection, localization and measurement of	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book  Hypoxia prophylaxis against radiation injury p 20 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE Radiofrequencies and microwaves - Radiation safety of the operator Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847 On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO ASTRONOMY A search for interstellar glycine p 274 A86-33668  RADIO COMMUNICATION A decade of SETI observations p 308 N86-26905 Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-26908 JPL's role in the SETI program p 310 N86-269013
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] Psychological aspects of personnel contamination (DE85-012955) Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] Studies of participants in nuclear tests p 38 N86-12959 Studies of participants in nuclear tests p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summany [AD-A159512] USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-024] Physico-chemical studies of radiation effects in cells [DE85-014681] Biological effects of millimeter waves on the mouse [FOA-C-50023-H1] P 98 N86-16879 Covalent crosslinks between filaments in DNA induced by laser	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-01181] p 278 N86-27868  AFRRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] p 379 N86-28614  RADIATION MEASUREMENT  Measurement techniques for use with technique/exposure guides  [P886-123718] p 222 N86-23272  RADIATION MEASURING INSTRUMENTS  In vivo detection, localization and measurement of radionuclides in man: a detection system for the localization	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors — Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244 Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244 Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244 Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis soores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO ASTRONOMY A search for interstellar glycine p 274 A86-33668  RADIO COMMUNICATION A decade of SETI observations p 308 N86-26905 Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-26908 JPL's role in the SETI program p 310 N86-26913
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-4921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959 Studies of participants in nuclear tests p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A15912] p 53 N86-14842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-024] p 64 N86-14885 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 Covalent crosslinks between filaments in DNA induced by laser p 109 N86-19839 The influence of heliometeorologic factors on circulation	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects  p 288 N86-27911  Operating radiation protection: Medical aspects  p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation  p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-001181] p 278 N86-27868  AFRRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] p 379 N86-28614  RADIATION MEASUREMENT  Measurement techniques for use with technique/exposure guides  [P886-123718] p 222 N86-23272  RADIATION MEASURING INSTRUMENTS  In vivo detection, localization and measurement of radionuclides in man: a detection system for the localization and measurement of small amounts of photon emitters	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT  Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO ASTRONOMY  A search for interstellar glycine p 274 A86-33668  RADIO COMMUNICATION  A decade of SETI observations p 308 N86-26905  Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-26908  JPL's role in the SETI program p 310 N86-26913
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points  P 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 18 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157990] p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-14842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-8-024] p 64 N86-14885 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 Biological effects of millimeter waves on the mouse [FOA-C-50023-H1] p 10 N86-19839 The influence of heliometeorologic factors on circulation and some vegetative functions p 165 N86-21021	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-001181] p 278 N86-27868  AFRRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] RADIATION MEASUREMENT  Measurement techniques for use with technique/exposure guides  [PB86-123718] p 222 N86-23272  RADIATION MEASURING INSTRUMENTS  In vivo detection, localization and measurement of radionuclides in man: a detection system for the localization and measurement of small amounts of photon emitters  [DE85-017601] p 39 N86-16893	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors — Russian book  Hypoxia prophylaxis against radiation injury p 20 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  P 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT  Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO COMMUNICATION  A decade of SETI observations p 308 N86-26905  Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization  p 309 N86-26908  JPL's role in the SETI program p 310 N86-26913  RADIO FREQUENCIES  The new ANSI RF radiation exposure standard - Its background and impact p 371 A86-40519
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] Studies of participants in nuclear tests p 38 N86-12959 Studies of participants in nuclear tests p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-14842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-024] p 64 N86-14885 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16879 Biological effects of millimeter waves on the mouse (FOA-C-50023-H1) p 83 N86-16879 Covalent crosslinks between filaments in DNA induced by laser p 165 N86-21021 Application of meteorological and solar data in health	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457]	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors — Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904  RADIATION TOLERANCE Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system  [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards of radiation in space flight  [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT  Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO COMMUNICATION  A decade of SETI observations p 308 N86-26905  Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-26908  JPL's role in the SETI program p 310 N86-26913  RADIO FREQUENCIES  The new ANSI RF radiation exposure standard - Its background and impact p 371 A86-40519  Radiofrequencies and microwaves - Radiation safety of Radiotion safety of
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-4921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959 Studies of participants in nuclear tests Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A15912] p 53 N86-14842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-95-024] p 64 N86-14885 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 Biological effects of millimeter waves on the mouse [FOA-C-50023-H1] p 83 N86-16879 Covalent crosslinks between filaments in DNA induced by laser p 109 N86-19839 The influence of heliometeorologic factors on circulation and some vegetative functions p 165 N86-21021 Application of meteorological and solar data in health resort climatherapy p 170 N86-21067	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-001181] p 278 N86-27868  AFRRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] p 379 N86-28614  RADIATION MEASUREMENT  Measurement techniques for use with technique/exposure guides  [P886-123718] p 222 N86-23272  RADIATION MEASURING INSTRUMENTS  In vivo detection, localization and measurement of radionuclides in man: a detection system for the localization and measurement of small amounts of photon emitters [DE85-017601]  RADIATION PROTECTION  Mechanisms of the radiation protection effect and	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors — Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244 Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244 Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244 Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244 Radiosensitivity of animals irradiation modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847 On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO ASTRONOMY A search for interstellar glycine p 274 A86-33668  RADIO COMMUNICATION A decade of SETI observations p 309 N86-26908 JPL's role in the SETI program p 310 N86-26913  RADIO FREQUENCIES The new ANSI RF radiation exposure standard - Its background and impact p 371 A86-40519 RAdiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-012955] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 186-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959 Studies of participants in nuclear tests P 38 N86-12959 Studies of participants in nuclear tests P 38 N86-12964 [Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-14842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-024] p 64 N86-14885 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 Biological effects of millimeter waves on the mouse [FOA-C-50023-H1] p 83 N86-16879 Covalent crosslinks between filaments in DNA induced by laser p 109 N86-19939 The influence of heliometeorologic factors on circulation and some vegetative functions Application of meteorological and solar data in health resort climatherapy p 170 N86-21067	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-001181] p 278 N86-27868  AFRRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] p 379 N86-28614  RADIATION MEASUREMENT  Measurement techniques for use with technique/exposure guides  [PB86-123718] p 222 N86-23272  RADIATION MEASURING INSTRUMENTS  In vivo detection, localization and measurement of radionuclides in man: a detection system for the localization and measurement of small amounts of photon emitters  [DE85-017601] p 93 N86-16893  RADIATION PROTECTION  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors — Russian	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system  [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards of radiation in space flight  [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT  Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO ASTRONOMY  A search for interstellar glycine p 274 A86-33668  RADIO COMMUNICATION  A decade of SETI observations p 308 N86-26905  Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization  p 309 N86-26908  JPL's role in the SETI program p 310 N86-26913  RADIO FREQUENCIES  The new ANSI RF radiation exposure standard - Its background and impact p 371 A86-40519  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Proceedings of a workshop on Radiofrequency
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 21 N86-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] Studies of participants in nuclear tests p 38 N86-12959 Studies of participants in nuclear tests p 38 N86-12964 Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-14842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-024] p 64 N86-14885 Physico-chemical studies of radiation effects in cells [DE85-014681] Biological effects of millimeter waves on the mouse (FOA-C-50023-H1) p 83 N86-16879 Covalent crosslinks between filaments in DNA induced by laser p 109 N86-19939 The influence of heliometeorologic factors on circulation and some vegetative functions p 165 N86-21021 Application of meteorological and solar data in health resort climatherapy p 170 N86-21067 Radioprotection update [BLL-CE-TRANS-8223-(9022-09] p 187 N86-1146	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457]	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors — Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244 Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244 Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244 Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 Physico-chemical studies of radiation effects in cells [DE85-014881] A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO ASTRONOMY A search for interstellar glycine p 274 A86-33668  RADIO COMMUNICATION A decade of SETI observations p 308 N86-26905 Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization p 309 N86-26908 JPL's role in the SETI program p 310 N86-26913  RADIO FREQUENCIES The new ANSI RF radiation exposure standard - Its background and impact p 371 A86-40519 Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthnoven, West
The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points p 414 A86-49921 Assessments and viewpoints on the biological and human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16 N86-11839 Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-012955] p 17 N86-11845 Psychological aspects of personnel contamination [DE85-012955] p 186-11853 Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959 Studies of participants in nuclear tests P 38 N86-12959 Studies of participants in nuclear tests P 38 N86-12964 [Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-14842 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-024] p 64 N86-14885 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 Biological effects of millimeter waves on the mouse [FOA-C-50023-H1] p 83 N86-16879 Covalent crosslinks between filaments in DNA induced by laser p 109 N86-19939 The influence of heliometeorologic factors on circulation and some vegetative functions Application of meteorological and solar data in health resort climatherapy p 170 N86-21067	Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document (RDD)  [DE86-001457] p 172 N86-21113  The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193  Calculations on technical requirements for protection devices against a nuclear light flash  p 284 N86-26819  Elements of Radiation Protection  [ISS-L-84/7] p 288 N86-27908  Effects of radiation health p 288 N86-27910  Operating radiation protection: Physical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27911  Operating radiation protection: Medical aspects p 288 N86-27912  Assessing possible damage due to radio frequency radiation  [AD-A166913] p 402 N86-31214  Air Force technical objective document, Aerospace Medical Division, FY 1987  [AD-A167422] p 423 N86-32090  RADIATION INJURIES  Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423  Late biological effects from internal and external exposure  [DE86-001181] p 278 N86-27868  AFRRI (Armed Forces Radiobiology Research Institute)  [AD-A165810] p 379 N86-28614  RADIATION MEASUREMENT  Measurement techniques for use with technique/exposure guides  [PB86-123718] p 222 N86-23272  RADIATION MEASURING INSTRUMENTS  In vivo detection, localization and measurement of radionuclides in man: a detection system for the localization and measurement of small amounts of photon emitters  [DE85-017601] p 93 N86-16893  RADIATION PROTECTION  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors — Russian	Institute) [AD-A165810] p 379 N86-28614  RADIATION THERAPY  Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian book p 207 A86-31375  Hypoxia prophylaxis against radiation injury p 220 N86-23244  Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-23244  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  RADIATION TOLERANCE  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system  [DFVLR-FB-85-44] p 56 N86-15864  Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878  A proposal for a longitudinal study to assess the hazards of radiation in space flight  [AD-A160801] p 117 N86-18975  RADIATION TRANSPORT  Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168  RADIO ASTRONOMY  A search for interstellar glycine p 274 A86-33668  RADIO COMMUNICATION  A decade of SETI observations p 308 N86-26905  Using the IRAS data to search in the asteroid belt for any potential evidence of galactic colonization  p 309 N86-26908  JPL's role in the SETI program p 310 N86-26913  RADIO FREQUENCIES  The new ANSI RF radiation exposure standard - Its background and impact p 371 A86-40519  Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270  Proceedings of a workshop on Radiofrequency

Communications Commission) specified guidelines for	I he photobiological aspects of radiation damage in cells	Tissue gas bubble dynamics during hypobaric
human exposure to radiofrequency radiation	Hussian book p 392 A86-44295 Biomedical and Environmental Sciences Program	exposures [SAE PAPER 851337] p 111 A86-23525
[PB86-127081] p 256 N86-25117	publications 1984	How well mixed is inert gas in tissues?
A comparison of the specific absorption rate in a	[DE85-015070] p 28 N86-12953	p 391 A86-44197
homogeneous man model and a man model containing realistic model bones	Radiosensitivity of animals irradiated in modified gas	RATES (PER TIME)
[AD-A168547] p 424 N86-32960	medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation	Physical fitness as a moderator of cognitive work
RADIO FREQUENCY INTERFERENCE	p 54 N86-14847	capacity and fatigue onset under sustained combat-like
Goldstone field test activities: Sky survey	East Europe report: Science and technology	operations [AD-A160417] p 134 N86-18982
p 310 N86-26912	[JPRS-ESA-85-031] p 57 N86-15893	[AD-A160417] p 134 N86-18982 Studies of the electric field distribution in biological
RADIO SIGNALS	Advances in radiobiological research: Hypoxic	bodies. Experimental dosimetry at radiofrequencies
A decade of SETI observations p 308 N86-26905 The Berkeley Serendip Project p 309 N86-26906	irradiation effects p 57 N86-15894 USSR report: Life sciences. Biomedical and behavioral	[AD-A163156] p 249 N86-25976
RADIO TELESCOPES	sciences	RATINGS
A decade of SETI observations p 308 N86-26905	[JPRS-UBB-85-025] p 83 N86-16881	An investigation of the 'von Restorff' phenomenon in
The Berkeley Serendip Project p 309 N86-26906	In vivo detection, localization and measurement of	post-test workload ratings p 261 A86-33807
Overview of the NASA SETI Program	radionuclides in man: a detection system for the localization	RATS
p 309 N86-26909 RADIO WAVES	and measurement of small amounts of photon emitters [DE85-017601] p 93 N86-16893	Response of rat hindlimb muscles to 12 hours recovery from tail-cast suspension p 198 A86-30426
Effects of psychotropic drugs on thermal responses to	[DE85-017601] p 93 N86-16893 Metabolism of T-2 mycotoxin by cultured cells	An atropinized heat-stressed rat model: Anticholinergic
radiofrequency radiation p 59 A86-18838	[AD-A159678] p 107 N86-18951	and anticholinesterase drug potency
Assessing possible damage due to radio frequency	Radiobiological validation of quality factor of protons and	[AD-A157620] p 6 N86-11832
radiation	helium ions p 287 N86-27895	Effects of long-term low-level radiofrequency radiation
[AD-A166913] p 402 N86-31214 RADIOACTIVE CONTAMINANTS	AFRRI (Armed Forces Radiobiology Research Institute)	exposure on rats. Volume 9: Summary
Development of U.S. Army reverse osmosis water	[AD-A165810] p 379 N86-28614	[AD-A159512] p 53 N86-14842
purification equipment	RADIOCHEMISTRY	Changes in physical condition, vestibular function and bone system of rats submitted to long-term rotation
[AD-A165667] p 385 N86-28621	Biomedical research with cyclotron produced	p 54 N86-14857
RADIOACTIVE DECAY	radionuclides	Drugs and surfactants used to prevent caisson disease
Limits on asymmetric orthopositronium formation in high Z optically active molecules p 189 A86-28724	[DE86-000327] p 221 N86-23269 RADIOGRAPHY	in rats p 54 N86-14868
Investigation on the chirality of electrons from Sr-90-Y-90	In vivo detection, localization and measurement of	Effect of 24,25-dihydroxycholecalciferol on amino acid
beta-decay and their asymmetrical interactions with D- and	radionuclides in man: a detection system for the localization	metabolism of hypokinetic rats p 55 N86-14869
L-alanines p 243 A86-33390	and measurement of small amounts of photon emitters	Potency of photoflash-produced retrograde amnesia in rats
RADIOACTIVE ISOTOPES	[DE85-017601] p 93 N86-16893	[AD-A159149] p 55 N86-15859
In vivo detection, localization and measurement of	Measurement techniques for use with	Intensity of lipid peroxidation in hypokinetic rat tissues
radionuclides in man: a detection system for the localization and measurement of small amounts of photon emitters	technique/exposure guides [PB86-123718] p 222 N86-23272	p 56 N86-15876
[DE85-017601] p 93 N86-16893	Evaluation of radiation exposure from diagnostic	Effect of 24,25-dihydroxyvitamin D3 on osteogenetic
Determination of the lumped constant and the kinetic	radiology examinations: General recommendations	precursor cells in immobilized rats p 56 N86-15877  Basic results of experiments with long-term rotation of
constants for deoxyglucose and fluorodeoxyglucose in	[PB86-125903] p 222 N86-23273	rats as applied to the problem of artificial gravity
man [DE96 000017]	Evaluation of radiation exposure from diagnostic	p 56 N86-15878
[DE86-000317] p 118 N86-18978 Biomedical research with cyclotron produced	radiology examinations: Technique/exposure guides for the craniocaudal projection in mammography	Investigation of possibility of using two-frequency
radionuclides	[PB86-126075] p 222 N86-23274	impedometry for estimation of proportion of total and
[DE86-000327] p 221 N86-23269	MTF's and Wiener spectra of radiographic screen-film	extracellular body fluids p 66 N86-15888 Advances in radiobiological research: Hypoxic
RADIOACTIVITY	systems. Volume 2: (Including speeds of screens, films	irradiation effects p 57 N86-15894
Interactive scenario computer model for dose rates to	and screen-film systems)	Tritium ingestion in rats p 58 N86-15895
aircrews in flight through nuclear debris clouds [AD-A158741] p 40 N86-13888	[PB86-184934] p 380 N86-29501 Systematic radiographic examination of the spine for	Increased inotropi of the heart in normoxic hyperbario
Metabolism of T-2 mycotoxin by cultured cells	selection of F-16 pilots: A preliminary report	atmosphere p 123 N86-19869
[AD-A159678] p 107 N86-18951	p 401 N86-30323	Effect of low and high environmental temperatures on decompression sickness in the aging rat
RADIOBIOLOGY	Radiographic determination of mass of inertial tensors	p 126 N86-19884
A handbook of radiation dosimetry and hygiene Russian book p 25 A86-13457	of anatomical segments	Circadian variation in host defense
Russian book p 25 A86-13457 Molecular mechanisms of cell death induced by radiation	[AD-A168581] p 425 N86-32961 RADIOIMMUNOASSAY	[AD-A161702] p 158 N86-21098
Russian book p 27 A86-15474	Development and use of anucleated bacterial cells to	Effect of weightlessness and some of its models on mechanical properties of animal bones submitted to
The effect of high energy (HZE) particle radiation (Ar-40)	assay the in vivo activity of pollutants	torsion p 173 N86-21123
on aging parameters of mouse hippocampus and retina	[AD-A162727] p 160 N86-22089	Role of vitamin D3 active metabolites in regulation of
p 50 A86-17679 Likelihood of high rates of energy deposition in the	RADIOLYSIS  Radiation chemistry of an aqueous solution of glycine	calcium metabolism in hypokinetic rats
human legs at the ANSI recommended 3-30-MHz RF safety	Compounds of interest to chemical evolution studies	p 174 N86-21124
levels p 58 A86-17918	p 23 A86-12003	Comparison of bone reactions of rats submitted to clinostatic and antiorthostatic hypokinesia
lonizing radiation and blood vessels Russian book	Limits on asymmetric orthopositronium formation in high	p 174 N86-21125
p 105 A86-24144	Z optically active molecules p 189 A86-28724	Condition of thyroid gland and C cells during long-term
Postradiation disorders of peripheral-nerve regeneration and the role of free-radical oxidation products in the	RADIOPATHOLOGY	rotation (morphological and biochemical investigation)
appearance of these disorders p 105 A86-24422	Radiation-sickness mechanisms Russian book p 27 A86-15444	p 174 N86-21126
Mechanism of circulatory disorders in animals subjected	Morphological changes in some internal organs of	Rat brain impedance in stationary magnetic field p 174 N86-21128
to high-dose irradiation p 106 A86-24423	guinea pigs due to the effect of a constant electromagnetic	The experimental determination of safe atmospheric
Evaluation of radiation-induced damage in the	field p 103 A86-23490	exposure concentrations of JP-10 jet fuel
erythrocyte membranes of rats and dogs according to changes in the erythrocyte sedimentation behavior	RAMAN SPECTROSCOPY	[AD-A163179] p 258 N86-25985
p 106 A86-24424	Raman activity in synchronously dividing bacteria [DE85-015672] p 28 N86-12951	Toxicological study of NTO
Effect of nonionizing microwave radiation on the	New physical methods for biological aerosol detection	[DE86-003296] p 258 N86-25986 Influence of shipboard environmental factors or
autoimmune reactions and antigenic structure of serum	[AD-A158218] p 29 N86-13881	conditioned reflex activity of experimental animals during
proteins p 106 A86-24425	RANDOM ERRORS	a long voyage p 278 N86-27873
Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors Russian	At least some errors are randomly generated (Freud was wrong) p 438 N86-32989	Change of RNA and protein level in neurons-glia system
book p 207 A86-31375	was wrong) p 438 N86-32989 RANDOM NOISE	under effects of hyperthermia and hypoxia
Studies of radioprotective properties of adeturon and	A purely central movement aftereffect induced by	p 278 N86-27877 Effects of muscle atrophy on motor control
polyanion, applied separately and in combination	binocular viewing of dynamic visual noise	[NASA-CR-177201] p 288 N86-27913
p 208 A86-32699	p 133 A86-26297	Acute oral toxicity (LD50) of guanidine hydrochloride in
Prospects for using millimeter-band electromagnetic radiation as an efficient way of obtaining information on	RANK TESTS  Axiomatic and numeric conjoint measurement - A	rats
specific processes in living organisms	comparison of three methods for obtaining subjective	[AD-A165747] p 376 N86-28608 Skeletal response to short-term weightlessness
p 246 A86-35088	workload (SWAT) rankings p 178 A86-28435	[NASA-TM-88778] p 379 N86-29496
The effect of electromagnetic radiation in the decimeter	RAPID EYE MOVEMENT STATE	The temporal response of bone to unloading
wavelength range on the neuronal calcium current in mollusks p 247 A86-36494	Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep	[NASA-TM-89228] p 397 N86-30303
mollusks p 247 A86-36494 An anaerobic shift in energy metabolism in the mouse	[AD-A167738] wakefulness and sleep	Multiparameter data acquisition systems for studies of
brain during recovery from acute radiation sickness	RARE GASES	Circadian rhythms [DE86-004041] p 398 N86-30306
p 276 A86-39720	Decompression outcome following saturation dives with	External respiration, gas exchange, and blood oxyger
Postradiation regional cerebral blood flow in primates	multiple inert gases in rats	parameters in acute methemoglobinemia
p 373 A86-41786	[AD-A163720] p 28 A86-16054	[DRIC-T-7663] p. 415 Nec 22004

Peripheral nerve injury in developing rats reorganizes RECOGNITION A study to define a set of requirements for cleansing motor cortex Neuronal reactions and evoked potentials in the agents for use in the Space Station whole body shower p 417 N86-32952 subcortical brain structures in the process of visual [NASA-CR-171910] p 99 N86-16903 Inhalation toxicology. Part 6: Evaluation of the relative recognition. I - Formulation of the problem and basic Potato leaf explants as a spaceflight plant test system toxicity of thermal decomposition products from 9 aircraft methods for its solution p 9 A86-10696 p 153 N86-19939 panel materials Prestimulus EEG and evoked potentials in man during Greenhouses with curvilinear planting surface FAD-A1682501 p 424 N86-32958 the recognition of a meaningful light stimulus p 159 N86-21132 REACTION KINETICS p 9 A86-10697 Exobiology experiment concepts for space station Kinetics of biological ferrous iron oxidation Diagnosing cognitive errors: Statistical pattern p 310 N86-27152 [DE85-014616] DE85-014616] p 4 N86-10736 The event related brain potential as an index of classification and recognition approach US monkey and rat experiments flown on the Soviet [AD-A158108] Satellite Cosmos 1514 p 42 N86-12972 information processing, cognitive activity, and skill acquisition: A program of basic research [NASA-TM-88223] Neuronal response and evoked potentials in subcortical p 375 N86-28606 formations in visual perception. Effects of simulated weightlessness on meiosis. p 43 N86-13897 [AD-A159118] ertilization, and early development in mice Application of electron-transfer theory to several formulation and principles of solution [NASA-CR-177106] p 410 N86-30342 p 119 N86-19844 tems of biological interest REDUCTION (CHEMISTRY) The role of elaborations in instructional texts: Learning [DE85-015835] p 55 N86-15860 Indirect observation by C-13 NMR spectroscopy of a to use the appropriate procedure at the appropriate time Determination of the lumped constant and the kinetic novel CO2 fixation pathway in methanogens [AD-A165211] p 291 N86-26833 constants for deoxyglucose and fluorodeoxyglucose in p 103 A86-23225 Memory and subjective workload assessment Comparison of CO2 reduction process - Bosch and [DE86-0003171 p 437 N86-32983 D 118 N86-18978 Sabatier Use of membrane vesicles as a simplified system for RECORDING [SAE PAPER 851343] p 139 A86-23530 Analysis techniques for continuous twenty four hour ambulatory blood pressure patterns p 170 N86-21103 studying transport of auxin REDUNDANCY [DE86-0022641 p 209 N86-23219 The effects of redundancy, target density and practice Annual report and summaries of FY 1985 activities RECREATION p 142 A86-23712 on a complex visual search task supported by the Division of Biological Energy Research Human bioclimatic classification methods illustrated with Reduction of subjective redundancy in image signals: [DE85-009132] p 209 N86-23220 p 169 N86-21058 examples of selected countries Results obtained and research trends Photoenergy transduction in halobacterium halobium [NASA-CR-176673] p 248 N86-25970 Local climatic particularities and their importance for [FUB-24-1984] p 64 N86-14884 IASA-CR-176673] p 248 N86-25970 Laser kinetic spectroscopy of unimolecular and recreation area (example, Saarland-lower Bliestal) REFLECTANCE p 170 N86-21064 Vision test chart and method using Gaussians bimolecular processes in the gas phase **PECTENNAS** [AD-D011756] p 20 N86-10778 [AD-A1669981 p 394 N86-31209 The effect of a microwave radiation (2.45 GHz CW) on Refurbishing spray on aluminum enamel on proximity REACTION TIME clothing [AD-A159707] the molt of house finches (Carpodacus Mexicanus) On the pilot's behavior of detecting a system parameter p 52 A86-18513 p 153 N86-19944 change p 145 A86-25229 REFLEXES Effects of adaptation and display luminance on CRT The use of reflex therapy in the prophylaxis and Effectiveness of an air-cooled vest using selected air symbol recognition time p 240 A86-32315 temperature and humidity combinations treatment of motion sickness p 31 A86-13300 The detection of various color combinations under Neck and oculomotor reflexes induced by electrical [AD-A1620261 p 242 N86-24219 different chromatic ambient illuminations stimulation of the semicircular canal ampullae in RECYCLING p 378 A86-41783 CELSS experiment model and design concept of gas p 26 A86-14595 Quantitative evaluation of human arterial baroreceptor Force and timing components of the motor program recycle system [AD-A157584] reflexes p 17 N86-11843 [SAE PAPER 851393] p 141 A86-23570 [IAF PAPER 85-317] p 36 A86-15827 Neurophysiological bases of event-related potentials Utilization of membranes for H2O recycle system Combined effects of stressors on the level of spinal p 71 N86-14890 [AD-A1589971 [SAE PAPER 851394] p 141 A86-23571 reflex arc structures p 62 N86-14871 Simple and choice reaction time in a secondary task CELSS experiment model and design concept of gas Enhancement of somniferous effects of thermal varied stimulus modality probabilities recycle system p 148 N86-19909 pulsation by simultaneous application to two reflexogenic [AD-A1596981 p 135 N86-19896 Utilization of membranes for H2O recycle system p 120 N86-19849 The effects of color-coding in geosit displays. 1: Color p 148 N86-19910 Incorporation of active elements into the articulated total a redundant code Description of concept and first feasibility test results body model [AD-A161107] p 181 N86-22108 of a life support subsystem of the Botany Facility based [AD-A162518] p 177 N86-22101 An evaluation of color sets for CRT displays p 149 N86-19912 The startle reflex as a learning task: Apparatus and test on water reclamation [AD-A1638941 p 273 N86-25125 Plan for CELSS test bed project p 149 N86-19915 parameters Influence of shipboard environmental factors on Gas and water recycling system for IOC vivarium . [AD-A167958] p 428 N86-32970 conditioned reflex activity of experimental animals during REGENERATION (ENGINEERING) experiments p 150 N86-19920 Water recycling system using thermopervaporation a long voyage p 278 N86-27873 An expert systems approach to automated fault Vision test battery threshold and response time as p 150 N86-19921 management in a regenerative life support subsystem
[AIAA PAPER 86-0321] p 98 A86-19811 method Observations on gas exchange and element recycle predictors of air-to-air visual target acquisition in F-14 and p 98 A86-19811 within a gas-closed algal-mouse system Controlled ecological life support systems for space adversary aircraft p 400 N86-30321 p 150 N86-19924 A 24-hour structure of vigilance under prolonged sleep habitats p 98 A86-22325 RED GIANT STARS Static feed water electrolysis system for Space Station deprivation: Relationship with performant Survival of the Jovian planets with the sun a Red O2 and H2 generation [SAE PAPER 851339] [AD-A1673991 p 422 N86-32089 p 101 A86-21644 Active controllers and the time duration to learn a task p 138 A86-23526 REDUCED GRAVITY REGENERATION (PHYSIOLOGY) p 439 N86-32994 Spacelab life sciences flight experiments - An integrated Postradiation disorders of peripheral-nerve regeneration Hesitation in tracking induced by a concurrent manual approach to the study of cardiovascular deconditioning and the role of free-radical oxidation products in the task p 439 N86-32995 and orthostatic hypotension appearance of these disorders p 105 A86-24422 Hitts Law? A test of the relationship between information [IAF PAPER 85-316] p 36 A86-15826 Planaria regeneration in zero gravity load and movement precision p 440 N86-32998 Pulmonary function in microgravity - Spacelab 4 and p 245 A86-34984 **REACTION WHEELS** Limb regeneration in amphibians, a suitable model for Kinematics and reaction moment compensation for a [IAF PAPER 85-322] p.36 A86-15828 investigations of the effects of weightlessness as regards spaceborne elbow manipulator A marsupial model for the investigation of gravitational evolution and modifications p 388 N86-29520 [AIAA PAPER 86-0250] p 182 A86-26616 effects on early development p 195 A86-30404 REGRESSION ANALYSIS REACTIVITY Amphibian fertilization and development A nonlinear regression procedure for evoked potential Investigation of reactogenic and antigenic activity of p 195 A86-30408 chromatographically purified, concentrated and inactivated Plant growth responses to atmosphere and other [AD-A1576801 p 53 N86-14839 dry vaccine against tick borne encephalitis Changes in fitness and shipboard task performance environmental variables in the Space Shuttle Plant Growth p 119 N86-19837 p 196 A86-30415 following circuit weight training programs featuring REACTOR SAFETY continuous or interval running Localization of calcium stimulated adenosine triphosphatase activity in blood vessels of the skeleton [AD-A163110] p 225 N86-24206 Statistical inferences in cross-lagged panel studies AD-A163892] p 265 N86-25120 [BLL-CE-TRANS-8223-(9022-09] p 197 A86-30424 p 187 N86-21146 READING [AD-A163892] Considerations in the design of life sciences research Effects of 60 Hz electric field on operant and social Inexpert calibration of comprehension facilities for the Space Station p 200 A86-30441 [AD-A165701] p 382 N86-28617 Vivaria requirements for animal life cycle studies or stress behaviors of nonhuman primates [DE85-016121] space station **REAL TIME OPERATION** p 200 A86-30443 p 411 N86-30346 Exobiology experiments for space station REGULATIONS JPL's role in the SETI program p 310 N86-26913 p 243 Biotechnology regulation Analytical techniques of pilot scanning behavior and their A86-30453 Microgravity associated changes in pituitary growth [GPO-43-778] p 3 N86-10733 hormone (GH) cells prepared from rats flown on Space Instructions for flight crew members and flight crew [NASA-TP-25251 p 292 N86-27920 p 202 A86-30459 training and examination guidelines of the West German RECEIVERS Microgravity changes in heart structure and cyclic-AMF Federal Board of Transport An infrared search for extraterrestrial laser signals metabolism p 203 A86-30465 [REPT-1] p 95 N86-17985 p 309 N86-26907 The scanning electron microscope as a tool in space Evaluating compliance with FCC (Federal RECEPTORS (PHYSIOLOGY) biology Communications Commission) specified guidelines for p 30 N86-14080 Cardiovascular receptors and fluid volume control (1985 Solid waste treatment processes for space station human exposure to radiofrequency radiation Armstrong Lecture) p 157 A86-29099 [PB86-127081] p 47 N86-14091 p 256 N86-25117

RESOLUTION

Operating radiation protection: Pr		
Operating radiation protection: Me		
REINFORCEMENT (PSYCHOLOGY)	p 288 N86-2791;	
Effects of 60 Hz electric fields of stress behaviors of nonhuman prime	n operant and socia	d
[DE86-002587]	p 209 N86-2322 <sup>.</sup>	1
RELAXATION (PHYSIOLOGY) Responses of skeletal muscle to	unicedina - A review	
	p 192 A86-30379	9
RELEASING Oxygen-liberating mixtures for bre	athing apparatus	
RELIABILITY ANALYSIS	p 241 N86-23264	ļ
Impact of the human on system s	afety analysis	
[DE86-008182] Some computational techniques t	p 409 N86-31224	!
operator describing functions REMOTE CONTROL	p 441 N86-33007	;
Research issues in teleoperator s	p 143 A86-23735	,
Mechanical accessories for mobile [DE85-014310]	e teleoperators	
Future directions in mobile teleope	p 23 N86-11855 eration	i
[DE85-014308] CNES of France researches remo	p 46 N86-12976 te control system for	;
space Advanced servomanipulator develo	n 75 N96 15444	
[DE85-017720]	D 100 N86-17080	
Model analysis of remotely contro docking with display prediction	n 441 NRS-22002	
Control of a free-flying robot manis [NASA-CR-179717]	oulator system	
REMOTE HANDLING	-	
Recent advancements in telepre development in space	sence technology p 269 A86-34959	
REMOTE MANIPULATOR SYSTEM Human operator control of a bila	teral telepherator in	
part-simulation of zero gravity	p 143 A86-23736	
requirements for Space Station	em architectural p 269 A86-34957	
Space telerobotics - A few more hi	n 272 ARE 27047	
Mobile remote manipulator vehicle [NASA-CASE-LAR-13393-1]	system p 187 NRS 21147	
Direct model reference adaptive robotic manipulator	control of a flexible	
[NASA-CR-176659]	p 188 N86-22113	
The design, fabrication and delive foot restraint mockup for space tele	ry of a manipulator	
testing [NASA-CR-178837]	p 272 N86-25121	
Force/torque display for space te experiments and evaluation	leoperation control	
REMOTE SENSING	p 440 N86-33002	
The role of reabsorption in the spe phytoplankton fluorescence emission	D 50 ARR-16024	
Life sciences research on the sintroduction	space station: An	
[NASA-TM-868361	p 3 N86-10734	
Remote sensing of body signs and [AD-A162106]	signatures p 224 N86-24199	
RENAL FUNCTION  Water excretion and natriuretic functions of rate addressed to act and		
of rats adapted to cold  Blood pressure and plasma renin a	n 2 Age 10500	
O O U O U O STATIC INTOIEFANCE	n 32 ABC 14212	
Cardiorenal-endocrine responses to at night	n 01 Age agece	
Dynamics of the salivary electrolyt renal excretory function during huma	e composition and	
altered gaseous environment	D 216 ARE-20900	
Body position during hypokinesia, a metabolism	D 60 N86-14852	
Some characteristics of epizo hemorrhagic fever with renal syndrome	Otic process in	
	p 218 N86-23234	
Control theoretic analysis of human	operator mediated	
rendezvous and docking [NLR-MP-85020-U]	p 435 N86-32106	
Model analysis of remotely controlled docking with display prediction	ed rendezvous and p 441 N86-33003	
REPETITION Progression-regression effects in t		
patterns REPRODUCTION (BIOLOGY)	racking repeated p 439 N86-32996	
······································		

Origin of life and iron-rich clays

under micro g conditions

rainbow trout (Salmo gairdneri Richardson)

Investigations of the reproductive physiology of the

Changes in the morphological and molecular biological

processes during early embryo development in amphibians

Long duration confinement of aquatic organisms in ssness (aquaspace) p 389 N86-29531 REQUIREMENTS Information requirements determination: An empirical investigation of obstacles within an individual [AD-A158025] p 46 N86-13901 Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A162026] p 242 N86-24219 Evaluation of the use of hydrogen-oxygen as a breathing gas in deep-sea diving [AD-A165797] p 380 NR6-29499 RESEARCH Psychological Sciences Division 1984 programs N86-10779 Biomaterials research in West Germany: [AD-A158951] p 53 N86-14840 Anthropometry research program [FOA-C-50032-H2] p 386 N86-29511 Program draft for a special field: Gravitational biology p 390 N86-29532 Cognitive aspects of command and control p 405 N86-30336 RESEARCH AND DEVELOPMENT Development status of regenerable solid amine CO2 control systems [SAE PAPER 851340] p 138 A86-23527 Utility of an emulation and simulation computer model for air revitalization system hardware design, development, [SAE PAPER 851377] D 140 A86-23560 Advanced technology - New fixes or new problems? --- for helicopter voice warning systems p 147 A86-26031 Review and evaluation of empirical research in [AD-A1686601 p 186 A86-28865 Tissue culture apparatus for flight experimentation p 201 A86-30444 Life science research on the Space Station p 201 A86-30451 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823
Future directions for cost effective Air Force aircrew training - Managed technology and the training system D 262 A86-33830 Assessing the human performance envelope - A brief [SAE PAPER 851776] D 263 A86-35428 Workload assessment - Progress during the last [SAE PAPER 851877] p 270 A86-35440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Control loops with human operators in space operations. Part 4: Research requirements for human-in-the-loop space teleoperator development NLR-TR-84116-L-PT-4] p 435 N86-32109 RESEARCH FACILITIES The scientific/engineering workstation experiment: Preliminary results, conclusions and recommendations [AD-A1630591 p 386 N86-29510 Evaluation of the need for a large primate research facility in space [NASA-CR-179661] p 444 N86-32111 RESEARCH MANAGEMENT LSRO/ONR ad hoc review process [AD-A1565901 p 4 N86-10735 Environmental impact research program. Status and source of habitat models and literature reviews, December [AD-A156899] p 28 N86-12950 Biomaterials research in West Germany: [AD-A158951] p 53 N86-14840 Biotechnica '85 International Congress Biotechnology [AD-A1654151 p 276 N86-26794 Applied biology and biotechnology, the program of the Federal government, 1985-1988 [ETN-86-969381 p 386 N86-28626 Life Sciences Space Station planning document: A reference payload for the Life Sciences Research

[NASA-TM-89188]

[NASA-CR-179661]

RESIDENTIAL AREAS

facility in space

polluted areas

p 300 N86-26866

p 388 N86-29521

p 388 N86-29522

p 393 N86-30302

p 444 N86-32111

p 168 N86-21045

Evaluation of the need for a large primate research

Emmission and weather effects on children's airway

troubles in Berlin (1979-1982). Comparison of two different

immissions: Loaded residential areas in West Berlin

Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 RESOURCE ALLOCATION Wickens' resource allocation model - Implications for the design of human-machine systems p 185 A86-28453 RESOURCES The dissociation of subjective measures of mental workload and performance [NASA-CR-1766001 D 180 N86-21139 RESOURCES MANAGEMENT Recurrent cockpit resource management training at United Airlines p 228 A86-29889 Cockpit resource management - Where do we stand? D 229 A86-29898 RESPIRATION Acute pulmonary effects of formaldehyde exposure in humans [DE85-014728] DE85-014728] p 17 N86-11848 Health hazard evaluation of liquid monopropellants. Phase 5: Comparative inhalation toxicities of LGP 1776, LGP 1845, and HAN (hydroxylammonium nitrate) FAD-A1590901 p 40 N86-13891 Biological effects of millimeter waves on the mouse [FOA-C-50023-H1] n 83 N86-16879 A model of inhaled gas and vapor transport in the human [AD-A1608291 p 117 N86-18976 Resting metabolic rate in men following prolonged treadmill exercise p 121 N86-19853 Forced expiration parameters in healthy man submitted to simulated weightlessness Oxygen-liberating mixtures for breathing apparatus p 241 N86-23264 Remote sensing of body signs and signatures [AD-A162106] D 224 N86-24199 Isotopic study of the inhalation toxicology of oxidants p 256 N86-25116 Method for the determination of respiratory work in protective masks [FOA-C-40213-C2] p 380 N86-29500 In vivo dermal absorption method and system for aboratory animals [AD-D012325] p 417 N86-32951 Predictors of periodic breathing at altitude [AD-A167947] p 424 N86-32957 RESPIRATORS Protective respirator for the AAH-64 Advanced Attack p 97 A86-19336 'The ACDAR' - Advanced chemical defense aircrew p 430 A86-47735 Conditioning potentialities of respiratory apparatus p 14 N86-10753 Expedient methods of respiratory protection. 3:
Submicron particle tests and summary of quality factors [TI85-018278]

P 94 N86-17883 p 94 N86-17983 RESPIRATORY DISEASES Respiratory diseases - Aeromedical aspects including isposal p 252 A66-35291 Diffuse pulmonary ossification and spontaneous pneumothorax in a pilot - A case report D 395 A86-44093 The significance of recurrent childhood respiratory disorders in flight training applicants p 395 A86-44095 Health hazard evaluation of liquid monopropellants. Phase 4. Subchronic inhalation of hydroxylammonium nitrate, January 1985 [AD-A157623] Expedient methods of respiratory protection. 3: Submicron particle tests and summary of quality factors [TI85-018278] p 94 N86-17983 p 17 N86-11844 Respiratory function in inhabitants of northeastern p 119 N86-19845 p 167 N86-21038 Effects of air pollution on man Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summarv p 168 N86-21040 Airway infections related to city climate and local immission load p 168 N86-21042 Immission and weather effects on children's airway troubles in Berlin (1979-1982). Time series investigations: Croup syndrome and asthmatic airway troubles p 168 N86-21044 Emmission and weather effects on children's airway troubles in Berlin (1979-1982). Comparison of two different immissions: Loaded residential areas in West Berlin polluted areas p 168 N86-21045 Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A1620031 p 223 N86-24198 Concerning barotrauma of the lungs-translation [AD-A1650061 p 289 N86-27914 RESPIRATORY PHYSIOLOGY Role of hemoglobin P50 in O2 transport during normoxic and hypoxic exercise in the dog p 1 A86-10103 A-99

n 277 N86-27865

n 171 N86-21106

Studies on information processing mechanisms in the

Contributions to workload of rotational optical

Perceived contrast in the fovea and periphery --- in

central visual system of the cat

[EL-861]

RETINAL ADAPTATION

transformations [NASA-CR-176542]

RETINAL IMAGES

human retina

Control of exercise hyperpnea during hypercapnia in
humans p 7 A86-10105 Characteristics of external respiration in inhabitants of
the northeastern USSR p 9 A86-10698
Indicators of external respiration in young athletes during adaptation to high environmental temperature
p 9 A86-10699
Responses of bulbospinal and laryngeal respiratory neurons to hypercapnia and hypoxia p 3 A86-12381
Changes in antidromic latencies of medullary respiratory
neurons in hypercapnia and hypoxia p 3 A86-12382
Positive pressure respiration, a means of protecting against +Gz accelerations - A theoretical approach
p 31 A86-13568
Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles
p 44 A86-14311
Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine
p 32 A86-14317
Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518
Decompression outcome following saturation dives with
multiple inert gases in rats
[AD-A163720] p 28 A86-16054 Hypoxic and hypercapnic sensitivity as a reflection of
individual human reactivity p 58 A86-16753
Bedrest-induced peak VO2 reduction associated with age, gender, and aerobic capacity p 87 A86-20402
age, gender, and aerobic capacity p 87 A86-20402 Effect of hyperoxic gas mixtures on oxygen mass transfer
through the hematoparenchymatous barrier
p 103 A86-23492 Mathematical models of the effect of gravitation on lung
functions Russian book p 111 A86-24135
Skeletal muscle lactate release and glycolytic intermediates during hypercapnia p 155 A86-28124
Aerosol deposition along the respiratory tract at zero
gravity - A theoretical study p 213 A86-30169
Cardiorespiratory responses to lower body negative pressure and tilt tests after exposure to simulated
weightlessness p 215 A86-30387
Oxygen consumption during cold exposure at 2.1 G in rats adapted to hypergravic fields p 199 A86-30432
Plasma lactate and ventilation thresholds in trained and
untrained cyclists p 215 A86-30678 Effect of elevated FFA on carbohydrate and lipid
oxidation during prolonged exercise in humans
Somatostatin inhibits the ventilatory response to hypoxia
Somatostatin inhibits the ventilatory response to hypoxia in humans p 216 A86-30681 Carotid bodies are required for ventilatory acclimatization
Somatostatin inhibits the ventilatory response to hypoxia in humans p 216 A86-30681 Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682
Somatostatin inhibits the ventilatory response to hypoxia in humans p 216 A86-30681 Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683
Somatostatin inhibits the ventilatory response to hypoxia in humans p 216 A86-30681 Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683 Correlation of constant flow rate with frequency
Somatostatin inhibits the ventilatory response to hypoxia in humans p 216 A86-30681 Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea Impaired pulmonary conversion of angiotensin 1 to
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia ventilatory acclimatization to hypoxia is not dependent on crebral hypocapnic alkalosis p 206 A86-30682 Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia P 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites P 246 A86-36223
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia ventilatory acclimatization to hypoxia is not dependent on crebral hypocapnic alkalosis p 206 A86-30682 Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30682 Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36223 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia P 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites P 246 A86-36223 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness P 252 A86-36224 Influence of inspired oxygen concentration on
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30682 Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36232 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness  Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36313
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36223 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A186540] p 253 A86-36313 Pulmonary gas exchange in humans during exercise at
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30682 Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36232 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness  Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36313
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia or respiratory muscle metabolites p 246 A86-36221 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36313 Pulmonary gas exchange in humans during exercise at sea level Physiological profile of world-class high-altitude climbers p 281 A86-39098
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683 Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36221 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36313 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39095 Physiological profile of world-class high-altitude climbers A fundamental problem in determining functional
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia ventilatory acclimatization to hypoxia is not dependent on crebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia or respiratory muscle metabolites p 246 A86-36218 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36313 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39098 A fundamental problem in determining functional residual capacity or residual volume of lungs p 281 A86-39099
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683 Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36223 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36213 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39095 Physiological profile of world-class high-altitude climbers A fundamental problem in determining functional residual capacity or residual volume of lungs P 281 A86-39099 Response of enlarged alveolar vessels to acute
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia ventilatory acclimatization to hypoxia is not dependent on crebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia or respiratory muscle metabolites p 246 A86-36218 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36313 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39098 A fundamental problem in determining functional residual capacity or residual volume of lungs p 281 A86-39099
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683 Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36223 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36213 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39095 Physiological profile of world-class high-altitude climbers A fundamental problem in determining functional residual capacity or residual volume of lungs p 281 A86-39099 Response of enlarged alveolar vessels to acute hypoxia The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia ventilatory acclimatization to hypoxia is not dependent on crebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia or respiratory muscle metabolites p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia or respiratory muscle metabolites p 246 A86-36221 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness  p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36313 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39098 A fundamental problem in determining functional residual capacity or residual volume of lungs p 281 A86-39099 Response of enlarged alveolar vessels to acute hypoxia The possible involvement of PGI2 in the PEEP-induced
Somatostatin inhibits the ventilatory response to hypoxia in humans
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36223 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36313 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39095 Physiological profile of world-class high-altitude climbers p 281 A86-39095 A fundamental problem in determining functional residual capacity or residual volume of lungs P 281 A86-39099 Response of enlarged alveolar vessels to acute hypoxia p 378 A86-41785 The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure p 395 A86-44091 Solute conductance of blood-gas barrier in hamsters exposed to hyperoxia p 391 A86-44195 The suppressive effect of carbon dioxide on the
Somatostatin inhibits the ventilatory response to hypoxia in humans   Carotid bodies are required for ventilatory acclimatization to chronic hypoxia   Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis   Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea   P 217 A86-31223   Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia   P 246 A86-36218   Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites   P 246 A86-36221   Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness   P 252 A86-36224   Influence of inspired oxygen concentration on acceleration atelectasis   [AD-A168540]   P 253 A86-36313   Pulmonary gas exchange in humans during exercise at sea level   P 281 A86-39095   Physiological profile of world-class high-altitude climbers   A fundamental problem in determining functional residual capacity or residual volume of lungs   P 281 A86-39099   Response of enlarged alveolar vessels to acute hypoxia   P 281 A86-39099   Response of enlarged alveolar vessels to acute hypoxia   P 378 A86-41785   The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure   P 391 A86-44091   Solute conductance of blood-gas barrier in hamsters exposed to hyperoxia   P 391 A86-44091   P 392 A86-445319
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683 Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36223 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36313 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39095 Physiological profile of world-class high-altitude climbers p 281 A86-39095 A fundamental problem in determining functional residual capacity or residual volume of lungs p 281 A86-39099 Response of enlarged alveolar vessels to acute hypoxia The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure p 395 A86-44195 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319 Correlations between the levels of cerebral blood flow
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683 Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metalotites p 246 A86-36221 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36213 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39095 Physiological profile of world-class high-altitude climbers A fundamental problem in determining functional residual capacity or residual volume of lungs p 281 A86-39099 Response of enlarged alveolar vessels to acute hypoxia p 378 A86-41785 The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure p 395 A86-44091 Solute conductance of blood-gas barrier in hamsters exposed to hyperoxia p 391 A86-44091 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-445319 Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-4520
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36223 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A188540] p 253 A86-36313 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39095 Physiological profile of world-class high-altitude climbers A fundamental problem in determining functional residual capacity or residual volume of lungs p 281 A86-39099 Response of enlarged alveolar vessels to acute hypoxia The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure p 395 A86-44195 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319 Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45319 Effect of hypocapnia on ventral medullary blood flow
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683 Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metalotites p 246 A86-36221 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness p 252 A86-36224 Influence of inspired oxygen concentration on acceleration atelectasis [AD-A168540] p 253 A86-36213 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39095 Physiological profile of world-class high-altitude climbers A fundamental problem in determining functional residual capacity or residual volume of lungs p 281 A86-39099 Response of enlarged alveolar vessels to acute hypoxia p 378 A86-41785 The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure p 395 A86-44091 Solute conductance of blood-gas barrier in hamsters exposed to hyperoxia p 391 A86-44091 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-445319 Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-4520
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36223 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness  Influence of inspired oxygen concentration on acceleration atelectasis [AD-A188540] p 253 A86-36224 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39095 Physiological profile of world-class high-altitude climbers A fundamental problem in determining functional residual capacity or residual volume of lungs p 281 A86-39099 Response of enlarged alveolar vessels to acute hypoxia The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure p 395 A86-44195 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319 Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45319 Effect of hypocapnia on ventral medullary blood flow and pH during hypoxia in cats p 413 A86-47870 Halloterone response to angiotensin II during hypoxemia
Somatostatin inhibits the ventilatory response to hypoxia in humans
Somatostatin inhibits the ventilatory response to hypoxia in humans Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 Effects of exercise in normoxia and acute hypoxia on respiratory muscle metabolites p 246 A86-36223 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness  Influence of inspired oxygen concentration on acceleration atelectasis [AD-A188540] p 253 A86-36224 Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39095 Physiological profile of world-class high-altitude climbers A fundamental problem in determining functional residual capacity or residual volume of lungs p 281 A86-39099 Response of enlarged alveolar vessels to acute hypoxia The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure p 395 A86-44195 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319 Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45319 Effect of hypocapnia on ventral medullary blood flow and pH during hypoxia in cats p 413 A86-47870 Halloterone response to angiotensin II during hypoxemia

Nocturnal periodic breathing at altitudes of 6,300 and p 419 A86-47875 8,050 m Possibility of optimizing respiratory activity by means of p 420 A86-49266 biocontrol Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers p 122 N86-19863 External respiration, gas exchange, and blood oxygen parameters in acute methemoglobinemia DRIC-T-76631 n 415 N86-32082 RESPIRATORY RATE Ventilatory responses of hamsters and rats to hypoxia p 79 A86-20005 and hypercapnia Disturbance of the multiperiodic synchronization of the heart-heat and respiratory rhythms after transmeridian p 88 A86-22533 flights through three time zones Synchronization of heart contractions and respiration during thermoregulatory polypnea in dogs p 245 A86-34490 Impulse activity of the brain stem neurons related to the cardiac and respiratory rhythms p 246 A86-35940 Heart and respiration rates during a mental task performed with varying degrees of success p 254 A86-36526 Dynamics of general resistance of rats during readaptation period after training in altered p 6 N86-10767 environment The effect of breathing elevated CO2 gas mixtures on tracking performance, blood pressure, and subjective tolerance at 1Gz [AD-A165974] p 401 N86-31210 RESPIRATORY REFLEXES Possibility of optimizing respiratory activity by means of p 420 A86-49266 biocontrol RESPIRATORY SYSTEM Effects of breathing pattern on inspiratory muscle p 86 A86-20003 endurance in humans Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169 Classification of changes in electrocardiogram during muscular exertion of healthy individuals p 14 N86-10755 Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure p 5 N86-10760 Respiratory function in inhabitants of northeastern p 119 N86-19845 USSR Advanced clinical research in shock and trauma p 177 N86-22103 [AD-A162730] RESPONSE BIAS Underlying behavioral parameters of the operation of tough-input devices - Biases, models, and feedback p 98 A86-20110 RESPONSES Simple and choice reaction time in a secondary task under varied stimulus modality probabilities (AD-A159698) n 135 N86-19896 Complex monitoring performance and the coronary-prone type A behavior pattern p 428 N86-32971 [AD-A168240] Resting metabolic rate in men following prolonged p 121 N86-19853 treadmill exercise RESUSCITATION Concerning barotrauma of the lungs-translation [AD-A165006] p 289 N86 p 289 N86-27914 p 96 A86-19329 Limb Restraint Evaluator (LRE) RETENTION (PSYCHOLOGY) The effect of intervening task performance on subjective workload ratings p 144 A86-23746 RETINA The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 The effect of a hyperdynamic environment on the development of the rat retina p 203 A86-30463 Central serous retinopathy (choroidopathy) in pilots

p 254 A86-36317

p 40 N86-13889

p 67 N86-15898

p 128 N86-19895

p 210 N86-23226

p 284 N86-26819

[AD-A162518]

Enhancing sensitivity to visual motion and enhancing

models of human

Examination of retinal pattern threshold levels and their

Effect of intensive visible light on activity of glutathione

Calculations on technical requirements for protection

possible effect on computer access control mechanisms

peroxidase in pigmented epithelium of eye

devices against a nuclear light flash

[AD-A158800] Computational

[AD-A161213]

[NASA-CR-176413]

[AD-A162557] p 19 A86-11148 The dynamics of the human estimation of image size p 89 A86-22539 and its neurophysiological correlates The human dual visual systems - Their importance in p 381 A86-40485 simulation Studies on visual information processing in retinal neurons p 288 N86-27906 (EL-859) RETRAINING Medical control of the aircrew during a retraining rocess p 110 A86-23494 Dynamic retraining approaches for an airborne speech p 185 A86-28444 recognition system REVERSE OSMOSIS Reverse osmosis water purification system p 384 N86-28291 Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] p 385 N86-28621 RHEOENCEPHALOGRAPHY Oxygenation and regional circulation in gingival mucosal tissues under effect of head-to-pelvis (+Gz) accelerations p 65 N86-15872 accelerations RHEOLOGY Automatic determination of cardiac output from neogram of the trunk p 66 N86-15889 rheogram of the trunk RHYTHM (BIOLOGY) Tachygastria and motion sickness p 32 A86-14315 Influence of exposure to a prolonged hyperdynamic field on body temperature in the squirrel monkey p 200 A86-30439 Homeostasis and biological rhythms in the rat during p 202 A86-30460 Problems in medical biorhythmology --- Russian book p 206 A86-31371 Synchronization of heart contractions and respiration during thermoregulatory polypnea in dogs p 245 A86-34490 On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870 Correlational rhythmography applied to persons of different age under functional loads p 422 A86-49920 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature p 92 N86-16890 [NASA-TM-88197] Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19848 Modeling electrocardiograms using interacting Markov chains [AD-A162758] p 178 N86-22105 RIBONUCLEIC ACIDS Phylogenetic origins of the plant mitochondrion based on a comparative analysis of 5S ribosomal sequences p 2 A86-12002 Proteins and RNA in the neuron-neuroglia system of n. raphe dorsalis neurons of the ground squirrel brain during hibernation p 26 A86-14593 An intron in the 23S ribosomal RNA gene of the archaebacterium Desulfurococcus mobilis p 80 A86-21588 Sequence of the 16S rRNA gene from thermoacidophilic archaebacterium Sulfolobus solfataricus p 104 A86-23998 and its evolutionary implications The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic p 105 A86-24323 determinant Polyribonucleic acids as enzymes p 155 A86-27051 Effect of seven days of spaceflight on hindlimb muscle protein, RNA and DNA in adult rats p 204 A86-30471 Eukaryotic ribosomes that lack a 5.8S RNA p 207 A86-32237 RNA catalysis and the origin of life p 372 A86-41043 Stereoselective aminoacylation of RNA p 302 N86-26875 A comparative study of prebiotic and present day p 303 N86-26877 translational models Higher-order structure of rRNA p 305 N86-26888 The rRNA evolution and procaryotic phylogeny p 305 N86-26889 RIGIDITY Incorporation of active elements into the articulated total

p 177 N86-22101

RING	STR	UCT	URES

Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-2 p 384 N86-28618

Studies concerned with basic radiation protection criteria and studies concerned with guidance and information [AD-A1583191 D 63 N86-14874

Group diagnosis as risk assessment in environment p 167 N86-21039 Impact of the human on system safety analysis

[DE86-008182] p 409 N86-31224

### ROBOTICS

Robotics and the space station p 98 A86-20507 Evolutionary paths for artificial intelligence technologies in operator interactions with space station robots

p 269 A86-34971 Space telerobotics - A few more hurdles

p 272 A86-37047

Advanced operator/system interface concepts for the Space Station [AIAA PAPER 86-2317]

p 407 A86-46945 Design for a goal-oriented telerobotic system

[AIAA PAPER 86-2090] p 429 A86-47440 Development of a hierarchical multiprocessor control for a polyarticulated mechanical structure used to study human operators subjected to vibrations --- French thesis

p 433 A86-48553 Automation and robotics for Space Station in the twenty-first century

[AIAA PAPER 86-2300] p 434 A86-49552 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902

[FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space applications). Volume 2: Technical appendices

[FOK-TR-R-84-110-VOL-2]

FOK-TR-R-84-110-VOL-2] p 47 N86-13904 Study on design techniques for robots (space applications). Volume 3: Executive summary

[FOK-TR-R-84-110-VOL-3] p 47 N86-13905 Independent study of automation and robotics for the National Space Program by the Automation and Robotics

[NASA-CR-176523] p 148 N86-18990 Direct model reference adaptive control of a flexible

robotic manipulator [NASA-CR-176659] D 188 N86-22113

Evaluating space station applications of automation and robotics technologies from a human productivity point of D 409 N86-31412 Control of a free-flying robot manipulator system

[NASA-CR-179717] NASA-CR-179717] p 443 N86-33016 Control loops with human operators in space operations. Part 2: Robotics operations and manual control

[NLR-TR-84116-L-PT-2]

p 444 N86-33024

Robotics and the space station p 98 A86-20507 Telerobotics for the Space Station

p 182 A86-26493 Kinematics and reaction moment compensation for a spaceborne elbow manipulator [AIAA PAPER 86-0250] D 182 A86-26616

Design techniques for robots - Space applications p 183 A86-28074

Robots as man-extension systems in space P 240 A86-33183

Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902

Study on design techniques for robots (space applications). Volume 1, part B: Technical results

[FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space p 47 N86-13903 applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p. 47 Na

Application of screw calculus to the evaluation of manipulator workspace

[AD-P004947] p 75 N86-14946 Independent study of automation and robotics for the National Space Program by the Automation and Robotics

[NASA-CR-176523] p 148 N86-18990 Space teleoperation research. American Nuclear Society Executive conference: Remote operations and robotics in the nuclear industry; remote maintenance in other hostile environments

[NASA-TM-89234] D 386 N86-29513 Control of a free-flying robot manipulator system [NASA-CR-179717] p 443 N86-33016

## **ROCKET LAUNCHERS**

Human factors engineering design criteria for future systems. Report number 3: Design criteria evolving from the Multiple Multiple Rocket System (MLRS) operational

AD-A158316] RODENTS

D 76 N86-15916

Monitoring of circadian waveforms in rodents exposed to high-intensity static magnetic fields [DE85-015225] p 28 N86-12952

A chinchilla restraint system [AD-A167408]

p 416 N86-32084 RODS

A system of rat restraint using a cone-shaped, plexiglass and stainless steel rod cage [AD-A1584281 p 83 N86-16876

An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 p 239 A86-29918

The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting D 22 N86-10784

Investigation of limb-sidestick dynamic interaction with roll control p 438 N86-32991

## **ROTARY WING AIRCRAFT**

Laboratory and flight testing of ballistic protective headgear for rotary wing aircrew p 97 A86-19344 An examination of ability requirements for various rotary wing missions p 128 A86-23716

## ROTATING ENVIRONMENTS

Effects of clinostat rotation on Aurelia statolith p 199 A86-30436 Basic results of experiments with long-term rotation of rats as applied to the problem of artificial gravity

Exploratory studies of physiological components of motion sickness: Cardiopulmonary differences between high and low susceptibles

[NASA-CR-176541] p 171 N86-21108 Shuttle flight experiment 30-day summary report p 171 N86-21109

Vection-induced gastric dysrhythmias and motion [NASA-CR-176620] p 176 N86-22095

ROTATION

Contributions to workload of rotational optical transformations

[NASA-CR-176542] p 171 N86-21106 Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)

A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772 Rule-based analysis of pilot decisions p 261 A86-33816

The effect of different regimens of running training on the physical work capacity and blood plasma lipids and lipoproteins in untrained male and female students

p 89 A86-22537 Heat acclimatization developed during summer running in northeastern United States

[AD-A162728] p 177 N86-22102 Changes in fitness and shipboard task performance following circuit weight training programs featuring continuous or interval running

[AD-A1631101 D 225 N86-24206

## RURAL LAND USE

Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064

S

# SABATIER REACTION

Comparison of CO2 reduction process - Bosch and

[SAE PAPER 851343] p 139 A86-23530

SACCADIC EYE MOVEMENTS

Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The saccadic eye movement control system

p 267 A86-33797 Eye-movement activity as index of functional state of brain p 14 N86-10756 Application of the system identification technique to goal-directed saccades

[AD-A159102] SAFETY

Space Station crew safety - Human factors model p 143 A86-23742

p 69 N86-15909

An examination of injury criteria for potential application to explosive safety studies

[AD-P0048831 p 163 N86-20629 Evaluation of materials for thermal protection

FAD-P0049011 p 187 N86-20638 Characteristics of accelerations in aerobatic flight as a n 172 N86-21117

Biomedical and environmental sciences at Oak Ridge National Laboratory [DE86-001639] D 161 N86-22091

Impact of the human on system safety analysis [DE86-008182] p 409 N86-31224 SAFETY DEVICES

Comparison of human impact response in restraint systems with and without a negative G strap

D 249 A86-33754 The technology impact of the Advanced Technology Crew Protection (ATCP) system on high performance aircraft p 406 A86-44779

Psychological problems associated with the wearing of respiratory protective devices: A review

[FOA-C-40216-C2] p 101 N86-17995

Compendium of protective eyewear [PB86-135779] D 273 N86-25126

# SAFETY FACTORS

Excursion limits in shallow water heliox saturation diving p 125 N86-19877 Zopiclone's residual effect upon actual driving performance versus those of nitrazepam flunitrazepam [VK-84-101

p 423 N86-32954 SAFETY MANAGEMENT

Hygienic assessment of the electromagnetic radiation

levels generated by radar installations p 271 A86-36499 Quantification of pilot fatigue - A new approach to a crucial problem p 376 A86-40231

Radiofrequencies and microwaves - Radiation safety of the operator D 397 A86-46270 Proceedings of a workshop on Radiofrequency

Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959

SALICYLATES

Interaction between Escherichia coli and lunar fines p 30 N86-14088

## SAI INITY

Carbon isotope discrepancy between Precambrian stromatolites and their modern analogs - Inferences from hypersaline microbial mats of the Sinai Coast

p 25 A86-14119 Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values

p 308 N86-26900

Dynamics of the salivary electrolyte composition and renal excretory function during human adaptation to an litered gaseous environment p 216 A86-30899 SALIVARY GLANDS

Biochemical and morphological evaluation of the effects of space flight on rat salivary glands

p 204 A86-30468 SALMONELLA

Immunomodulation by proteins of bordetella pertussis [AD-A160078] p 107 N86-18953 Search for DNA host specificity systems in salmonella p 210 N86-23247

SALYUT SPACE STATION

Preliminary medical results of the 5-month flight onboard Salyut-7-Soyuz-T

[IAF PAPER 84-1841 p 10 A86-12362 Determination of increment of Bacillus subtilis biomass Vaccine Proteins R and D on Salyut-7 in weightlessness

p 220 N86-23256 SAMPLING

Factors influencing carboxyhemoglobin stability [AD-A165032] p 289 N86-27918 SANITATION

Report of the symposium on biological monitoring of exposure to metals and other inorganic compounds

[MBL-1985-6] p 85 N86 SATELLITE POWER TRANSMISSION (TO EARTH) The effect of a microwave radiation (2.45 GHz CW) on

the molt of house finches (Carpodacus Mexicanus) p 52 A86-18513 SCALING LAWS

Absolute judgment versus absolute magnitude estimation to convey information through symbol magnitude changes in CRT displays [AD-A167059] p 434 N86-32103

SCANNING

Effects of digital altimetry on pilot workload

[SAE PAPER 841489] p 132 A86-26019 Visual scanning behavior p 178 A86-28452

A-101

Eye-scan behavior in a flight simulation task as a function	SECRETIONS	The risk of arterial hypertension and the features of functional brain asymmetry in workers employed in
of level of training p 260 A86-33794	Review of duodenal and gastric ulcer [AD-A160919] p 117 N86-18977	regularly repeated expedition-type work
Visual information transfer. Part 1: Assessment of specific information needs. Part 2: Parameters of	SEDATIVES	p 88 A86-22534
appropriate instrument scanning behavior	Benzodiazepine activity: Daytime effects and the sleep	Acquisition of perceptual-motor skill - Adaptive and
[NASA-CR-176277] p 21 N86-11850	EEG	part-whole training p 129 A86-23727 Perceptual-motor coordination and adaptation during
Effects of digital altimetry on pilot workload	[AD-A158702] p 63 N86-14879	locomotion - Determinants of prism adaptation in hall
[NASA-TM-86424] p 42 N86-13892 SCENEDESMUS	An experimental trial to test the efficacy of temazepam to induce sleep and improve subsequent performance	exposure p 131 A86-24324
Potential for utilization of algal biomass for components	during partial sleep deprivation and circadian rhythm	Some psychological aspects of air sickness
of the diet in CELSS	desynchronosis	p 131 A86-24508
[SAE PAPER 851388] p 140 A86-23567	[AD-A160795] p 116 N86-18972	Head-up/head-down transition - Measurement of transition times p 186 A86-29092
SCIENTISTS	Driving performance the day after use of loprazolam,	The effects of real and simulated microgravity on
Moment by moment variation in the cognitive activity of experts	flunitrazepem and placebo (VK-83-04) p 290 N86-26826	vestibulo-oculomotor interaction p 193 A86-30390
[AD-A159466] p 71 N86-14893	[VK-83-04] p 290 N86-26826 Flurazepam HCL's residual (hangover) effects upon	Role of dopaminergic systems of neostriatum during the
SCORING	actual driving performance	activity of the central nervous system in man and animals p 208 A86-33070
Application of component scoring to a complicated	[VK-83-02] p 291 N86-26834	An automated methodology for conducting human
cognitive domain (AD-A157897) p 95 N86-16898	Zopiclone's residual effect upon actual driving	factors evaluations of protective garments
[AD-A157897] p 95 N86-16898 A comparison of dichotic listening task scoring	performance versus those of nitrazepam and	p 268 A86-33817
methods	flunitrazepam (VK-84-10) p 423 N86-32954	Automated Portable Test System (APTS) - A
[AD-A159920] p 133 N86-18980	[VK-84-10] p 423 N86-32954  SEDIMENTARY ROCKS	performance envelope assessment tool [SAE PAPER 851775] p 263 A86-35427
SCREENS	Stromatolites from the 3,300-3,500-Myr Swaziland	The mechanisms of muscle activity regulation in humans
Team performance with large and small screen displays	Supergroup, Barberton Mountain Land, South Africa	depending on biorhythm type p 254 A86-36528
[AD-A158761] p 75 N86-14899	p 155 A86-26490	Visual-search efficiency Russian book
SCRUBBERS	Iron-silica crystallite nucleation by bacteria in a	p 271 A86-36695 Inhibitory effects of combined agonist and antagonist
Design guidelines for carbon dioxide scrubbers, revision	geothermal sediment p 247 A86-36368	muscle vibration on H-reflex in man p 395 A86-44090
A [AD-A160181] p 147 N86-18989	SEDIMENTS Recovery of viable thermoactinomyces vulgaris and	Spatial organization of components of the visual evoked
[AD-A160181] p 147 N86-18989 Elementary design guidelines for CO2 scrubbing with	other aerobic heterotropic thermophiles from a varved	potentials and the sensorimotor reaction efficiency
LiOH, technical manual	sequence of ancient lake sediment p 51 A86-18030	p 419 A86-49264
[AD-A168850] p 444 N86-33022	Archaebacterial lipids in hot-spring microbial mats	EEG correlates in the process of forming driving skills p 421 A86-49273
SEA LEVEL	p 80 A86-21587	The effect of centedrin on the work capacity of
Hemodynamic responses to upright tilt at sea level and high altitude	Earth's early atmosphere as seen from carbon and	operators p 426 A86-49371
[AD-A163555] p 59 A86-18836	nitrogen isotopic analysis of Archean sediments p 304 N86-26883	On marching to two different drummers - Perceptual
Pulmonary gas exchange in humans during exercise at	Isotopic, petrologic and biogeochemical investigations	aspects of the difficulties p 426 A86-49870  Normal and abnormal human vestibular ocular
sea level p 281 A86-39095	of banded iron-formations p 305 N86-26885	Normal and abnormal human vestibular ocular function
Pulmonary gas exchange in humans exercising at sea level and simulated altitude p 419 A86-47874	Recent progress in Precambrian paleobiology	[NASA-CR-176820] p 257 N86-25978
Mild hypoxia and visual performance with night vision	p 305 N86-26887	Multitask performance: Predicting success in Naval
goggles	SEEDS	Aviation primary flight training
[AD-A156969] p 23 N86-10787	Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam	[AD-A168246] p 428 N86-32972 The role of impulse parameters in force variability
Respiratory response and muscle function during	p 84 N86-16886	p 439 N86-32997
isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198	Modification of cytogenetic and physiological effects of	SENSORS
SEA URCHINS	space flight factors by biologically active compounds	Direct model reference adaptive control of a flexible
Intracellular pH shift leads to microtubule assembly and	[NASA-TM-87987] p 386 N86-28624	robotic manipulator [NASA-CR-176659] p 188 N86-22113
microtubule-mediated motility during sea urchin fertilization	SELENIUM	SENSORY DEPRIVATION
<ul> <li>Correlations between elevated intracellular pH and microtubule activity and depressed intracellular pH and</li> </ul>	Experimental arrhythmia and its prevention p 174 N86-21129	Fibre-type specificity and effect of thyroid hormone on
microtubule disassembly p 82 A86-22709	SELF ORGANIZING SYSTEMS	glucose 6-phosphate dehydrogenase activity in normal and
SEA WATER	Neurophysiological research supporting the	denervated skeletal muscles of the rat
Hydrogen production from salt water by Marine blue	investigation of adaptive network architectures	p 49 A86-16901 SENSORY FEEDBACK
green algae and solar radiation p 245 A86-34985	[AD-A166074] p 405 N86-31216	Perceptual 'traps' of the visual system
SEAMOUNTS  Effects of lunar soil, Zagami meteorite, and ocean ridge	SEMICIRCULAR CANALS	p 233 A86-30360
basalt on the excretion of itoic acid, a siderophore, and		
	Neck and oculomotor reflexes induced by electrical	SENSORY PERCEPTION
coproporphyrin by Bacillus subtilis p 412 N86-31421	stimulation of the semicircular canal ampullae in the	Canadian medical experiments on Shuttle Flight 41-G
SEARCHING	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996
SEARCHING Visual-search efficiency Russian book	stimulation of the semicircular canal ampulae in the pigeon p.26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996 Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402
SEARCHING Visual-search efficiency Russian book p 271 A86-36695	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996 Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402 The structure and development of the starch sheath in
SEARCHING Visual-search efficiency Russian book	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414
SEARCHING  Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS  Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft	stimulation of the semicircular canal ampullae in the pigeon Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval -
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS	stimulation of the semicircular canal ampullae in the pigeon p.26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p.161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p.395 A86-44089 Dynamics of the cupula in the semicircular canal of the	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  What is the parameters for the prediction of seasickness
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + GZ	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-1495 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474  Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996 Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402 The structure and development of the starch sheath in pea epicotyls p 196 A86-30414 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 What is the parameters for the prediction of seasickness susceptibility? On the point of view for
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS)	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996 Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402 The structure and development of the starch sheath in pea epicotyls p 196 A86-30414 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction
SEARCHING  Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS  Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS  Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function pynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918	stimulation of the semicircular canal ampullae in the pigeon Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474  Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089  Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339  SEMICONDUCTORS (MATERIALS)  Instrument lighting levels and AN/AVS-6 usage [AD-A161538]	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity  p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction  p 377 A86-41645  On marching to two different drummers - Perceptual
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human response to + Gz impact p 145 A86-25552 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996 Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402 The structure and development of the starch sheath in pea epicotyls p 196 A86-30414 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human response to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than	stimulation of the semicircular canal ampullae in the pigeon Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474  Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089  Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339  SEMICONDUCTORS (MATERIALS)  Instrument lighting levels and AN/AVS-6 usage [AD-A161538]	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870 Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25552 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than visual cuing p 239 A86-29920 Simulation of aircraft seat response to a crash environment p 272 A86-36879	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity  p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction  p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than visual cuing Simulation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY Hypoxic and hypercapnic sensitivity as a reflection of	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996 Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402 The structure and development of the starch sheath in pea epicotyls p 196 A86-30414 Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818 What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870 Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033 Perceptual and physiological responses during exercise
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than visual cuing Simulation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft	stimulation of the semicircular canal ampullae in the pigeon Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870 Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than visual cuing Simulation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY Hypoxic and hypercapnic sensitivity as a reflection of	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity  p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction  p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water  [AD-A165491] p 283 N86-26800
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS  Effect of seat cushions of human respone to + Gz impact An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918  Tactual cuing can produce better performance than visual cuing Simulation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753 Enhancing sensitivity to visual motion and enhancing	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870 Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918  Tactual cuing can produce better performance than visual cuing p 239 A86-29920 Simulation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting	stimulation of the semicircular canal ampuliae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 Enhancing visual sensitivity	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water  [AD-A165491] p 283 N86-26800  Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25552 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than visual cuing p 239 A86-29920 Simulation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 A graphic anthropometric aid for seating and workplace	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158799] p 68 N86-1596	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870 Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water [AD-A165491] p 283 N86-26800  Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876  SENSORY STIMULATION  Simple and choice reaction time in a secondary task
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS  Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than visual cuing p 239 A86-29920 Simulation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 A graphic anthropometric aid for seating and workplace design	stimulation of the semicircular canal ampullae in the pigeon Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474  Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089  Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339  SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148  SENSE ORGANS  Functional development of gravity receptors in insects and amphibians p 389 N86-29527  SENSITIVITY  Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753  Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158890] p 40 N86-13889  Enhancing visual sensitivity  [AD-A158799] p 68 N86-1596  Weather and migraine	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-304114  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-48970 Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water [AD-A165491] p 283 N86-26800  Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876  SENSORY STIMULATION  Simple and choice reaction time in a secondary task under varied stimulus modality probabilities
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS  Effect of seat cushions of human respone to + Gz impact An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918  Tactual cuing can produce better performance than visual cuing Simulation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 28 N86-10784 A graphic anthropometric aid for seating and workplace design	stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158799] p 68 N86-15906 Weather and migraine p 166 N86-21027 Human reactions to transient electric currents [PB86-117280] p 222 N86-23277	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water  [AD-A165491] p 283 N86-26800  Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876  SENSORY STIMULATION  Simple and choice reaction time in a secondary task under varied stimulus modality probabilities  [AD-A159698] p 135 N86-19896
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS  Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than visual cuing p 239 A86-29920 Simulation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 A graphic anthropometric aid for seating and workplace design [AD-A156988] p 23 N86-10788 A review of the pilot backache problem in the CH113 Labrador helicopter	stimulation of the semicircular canal ampullae in the pigeon Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474  Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089  Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339  SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148  SENSE ORGANS  Functional development of gravity receptors in insects and amphibians p 389 N86-29527  SENSITIVITY  Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753  Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158890] p 40 N86-13889  Enhancing visual sensitivity  [AD-A158799] p 68 N86-15906  Weather and migraine p 166 N86-21027  Human reactions to transient electric currents  [PB86-117280] p 222 N86-23277  Computer visual simulation of contrast sensitivity deficits	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity  p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction  p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water  [AD-A165491] p 283 N86-26800  Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876  SENSORY STIMULATION  Simple and choice reaction time in a secondary task under varied stimulus modality probabilities  [AD-A159698] p 135 N86-19896  Application of portable microprocessor-based system for
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than visual cuing p 239 A86-29918 Tactual cuing can produce better performance than visual cuing p 239 A86-29918 Validation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 A graphic anthropometric aid for seating and workplace design [AD-A156988] p 23 N86-10788 A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113	stimulation of the semicircular canal ampuliae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 Enhancing visual sensitivity [AD-A158799] p 68 N86-15906 Weather and migraine p 166 N86-21027 Human reactions to transient electric currents [PB86-117280] p 222 N86-23277 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water  [AD-A165491] p 283 N86-26800  Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876  SENSORY STIMULATION  Simple and choice reaction time in a secondary task under varied stimulus modality probabilities  [AD-A159698] p 135 N86-19896
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than visual cuing p 239 A86-29918 Simulation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 A graphic anthropometric aid for seating and workplace design [AD-A156988] p 23 N86-10788 A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113 The choice of seat back angle to improve acceleration	stimulation of the semicircular canal ampuliae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 Enhancing visual sensitivity [AD-A158799] p 68 N86-1596e N86-21027 Human reactions to transient electric currents [PB86-117280] p 222 N86-23277 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870 Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water [AD-A165491] p 283 N86-26800  Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876  SENSORY STIMULATION  Simple and choice reaction time in a secondary task under varied stimulus modality probabilities [AD-A159698] p 135 N86-19896  Application of portable microprocessor-based system for electrophysiological field testing of neurotoxicity [PB86-145471] p 379 N86-28615  The effects of stimulus modality and task integrality:
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than visual cuing p 239 A86-29918 Tactual cuing can produce better performance than visual cuing p 239 A86-29918 Validation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 A graphic anthropometric aid for seating and workplace design [AD-A156988] p 23 N86-10788 A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113	stimulation of the semicircular canal ampuliae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 Enhancing visual sensitivity [AD-A158799] p 68 N86-15906 Human reactions to transient electric currents [PB86-117280] p 222 N86-23277 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 SENSORIMOTOR PERFORMANCE	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity  p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction  p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water  [AD-A165491] p 283 N86-26800  Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876  SENSORY STIMULATION  Simple and choice reaction time in a secondary task under varied stimulus modality probabilities  [AD-A159698] p 135 N86-19896  Application of portable microprocessor-based system for electrophysiological field testing of neuroloxicity  [PB86-145471] p 379 N86-28615  The effects of stimulus modality and task integrality: Predicting dual-task performance and workload from
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25552 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than visual cuing p 239 A86-29920 Simulation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 A graphic anthropometric aid for seating and workplace design [AD-A156988] p 23 N86-10788 A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113 The choice of seat back angle to improve acceleration tolerance [CEV-70-209] p 386 N86-29512	stimulation of the semicircular canal ampuliae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 Enhancing visual sensitivity [AD-A158799] p 68 N86-15906 Weather and migraine p 166 N86-21027 Human reactions to transient electric currents [PB86-117280] p 222 N86-23277 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 SENSORIMOTOR PERFORMANCE A study of functional asymmetry of paired organs in aircraft personnel	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870 Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water [AD-A165491] p 283 N86-26800  Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876  SENSORY STIMULATION  Simple and choice reaction time in a secondary task under varied stimulus modality probabilities [AD-A159698] p 135 N86-19896  Application of portable microprocessor-based system for electrophysiological field testing of neurotoxicity [PB86-145471] p 379 N86-28615  The effects of stimulus modality and task integrality: Predicting dual-task performance and workload from single-task levels
SEARCHING Visual-search efficiency Russian book p 271 A86-36695  SEAT BELTS Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510  SEATS Effect of seat cushions of human respone to + Gz impact p 145 A86-25652 An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information p 239 A86-29918 Tactual cuing can produce better performance than visual cuing p 239 A86-29918 Simulation of aircraft seat response to a crash environment p 272 A86-36879 Validation of SOM-LA occupant response Seat/Occupant Model - Light Aircraft [SAE PAPER 850850] p 293 A86-38510 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 A graphic anthropometric aid for seating and workplace design [AD-A156988] p 23 N86-10788 A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113 The choice of seat back angle to improve acceleration tolerance [CEV-70-209] p 386 N86-29512	stimulation of the semicircular canal ampuliae in the pigeon p 26 A86-14595 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans p 161 A86-27474 Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089 Dynamics of the cupula in the semicircular canal of the vestibular analyzer Russian book p 421 A86-49339 SEMICONDUCTORS (MATERIALS) Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SENSE ORGANS Functional development of gravity receptors in insects and amphibians p 389 N86-29527 SENSITIVITY Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 Enhancing visual sensitivity [AD-A158799] p 68 N86-1596e N86-21027 Human reactions to transient electric currents [PB86-117280] p 222 N86-23277 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 SENSORIMOTOR PERFORMANCE A study of functional asymmetry of paired organs in aircraft personnel	Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996  Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  Anticipatory adjustments during a warning interval - Cortical negativity and perceptual sensitivity  p 261 A86-33818  What is the parameters for the prediction of seasickness susceptibility? On the point of view for visual-vestibular-somatosensory interaction  p 377 A86-41645  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  Perceptual and physiological responses during exercise in cool and cold water  [AD-A165491] p 283 N86-26800  Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876  SENSORY STIMULATION  Simple and choice reaction time in a secondary task under varied stimulus modality probabilities  [AD-A159698] p 135 N86-19896  Application of portable microprocessor-based system for electrophysiological field testing of neuroloxicity  [PB86-145471] p 379 N86-28615  The effects of stimulus modality and task integrality: Predicting dual-task performance and workload from

SEPARATORS
------------

Magnetic separation device

[AD-D012163] p 249 N86-25975

### SEQUENCING

Sequence polymorphism of HLA-DR beta 1 alleles relating to T cell-recognized determinants [AD-A160237] p 107 N86-18956 New roles for computation in the life sciences

[DE85-017542] p 158 N86-21100

Acquiring procedural skills from lesson sequences [AD-A164580] p 291 N86-26829

#### SEROTONIN

Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice

p 5 N86-10766

Functional activity of human serotoninergic and histaminergic systems during long-term antiorthostatic p 60 N86-14852

Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846

### SERUMS

Serum levels of eleven steroid hormones following motion sickness p 8 A86-10259 Detection of HBsAg in families of children with viral

p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233

Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments

p 210 N86-23237 Vaccine Proteins R and D on Salyut-7

p 220 N86-23256 Blood serum enzymes during 7-day water immersion P 287 N86-27902

### SERVICE MODULES

Zero-G simulation verifies EVA servicing of space station modules

[AIAA PAPER 86-2312] SERVOCONTROL

P 407 A86-46942

Duty-cycle analysis of a human-controlled manipulator p 137 A86-23424 SERVOMECHANISMS

Mechanical accessories for mobile teleoperators [DE85-014310] p 23 N86-11855 Advanced servomanipulator development

[DE85-017720] P 100 N86-17989 Servo operated anti-G suit pressurization system [AD-D011932] P 147 N86-18988

### SETTLING

Evaluation of radiation-induced damage in the rythrocyte membranes of rats and dogs according to changes in the erythrocyte sedimentation behavior

#### P 106 A86-24424 SEX

EFFECTS: Documentation and verification for a BEIR 3 cancer risk model based on age, sex and population dynamics for BIOTRAN [DE86-003285]

p 226 N86-24210 SEX FACTOR

Age-related augmentation of plasma catecholamines during dynamic exercise in healthy males

p 10 A86-12376 Bedrest-induced peak VO2 reduction associated with age, gender, and aerobic capacity p 87 A86-20402 Comparative cold responses of men and women to external and internal cold stimuli D 87 A86-20403 The social-psychological aspects of pilot-error - Male vs female p 228 A86-29885 Epinephrine-induced changes in muscle carbohydrate

metabolism during exercise in male subjects p 280 A86-39092 Cardiovascular responses of women to lower body negative pressure A86-41779 p 377

Less bubble formation in women divers

p 126 N86-19883 Objective investigations and subjective observations of sensitivity to weather p 165 N86-21023 SHALE OIL

USAF toxicology research on petroleum and shale-derived aviation gas turbine fuels [ASME PAPER 85-GT-34]

p 80 A86-22023 DNA analysis of epithelial cell suspensions
[DE86-002403] p 249 N86-25977

### SHALLOW WATER

Excursion limits in shallow water heliox saturation p 125 N86-19877 SHAPES

Vision test chart and method using Gaussians [AD-D011756]

p 20 N86-10778 Generating and generalizing models of visual objects [AD-A158197] p 43 N86-13894

Novel architectures for image processing based on computer simulation and psychophysical studies of human al cortex [AD-A166222]

p 404 N86-30333

#### SHEEP

Ultrasonic detection of circulating bubbles in ewes exposed to simulated dives deeper than 800 msw under isobaric conditions and with unchanged gas mixtures p 125 N86-19882

#### SHIPS

A comparison of the effects of circuit weight training on men and women [AD-A159419]

P 69 N86-15910 Electric sleep method of preventing fatigue build-up in sailors on extended cruises p 235 influence of shipboard environmental factors on conditioned reflex activity of experimental animals during a long voyage SHIVERING p 278 N86-27873

Interaction of the thermoreceptor and vestibular signals in the regulation of the activity of flexor and extensor motor nuclei during cold tremors p 103 A86-23493 Analysis of the functional structure of thermogenesis on the basis of pharmacological tests

#### p 208 A86-33074 SHOCK (PHYSIOLOGY)

Microcirculatory changes in rats with burn shock following adaptation to high-altitude hypoxia

p 81 A86-22547 The role of endorphins in the pathophysiology of hemorrhagic and endotoxic shock in the subhuman primate

[AD-A162483] p 177 N86-22100 Advanced clinical research in shock and trauma
[AD-A162730] p 177 N86 p 177 N86-22103

SHOCK TESTS

Potency of photoflash-produced retrograde amnesia in AD-A159149] p 55 N86-15859

SHOCK WAVES

Characterization of YAG lasers for ophthalmologic

applications [SNIAS-852-430-107] p 93 N86-16894 SHOULDERS

Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1]

p 384 N86-28620 Shoulder and hip joints for hard space suits and the like

[NASA-CASE-ARC-11534-1] p 385 N86-29507 SIEVES

Molecular sieve oxygen systems and aircraft role p 96 A86-19315

Molecular sieve oxygen generation system (MSOGS) onboard the B-1B bomber D 430 A86-47737 Test and evaluation of the B-1B molecular sieve oxygen generating system
A small oxygen concentrator P 431 A86-47751

AD-A163145

p 273 N86-25993 SIGNAL ANALYSIS

Electroencephalograms and the read-out of information in the visual cortex during image recognition D 33 A86-15512

Biophysical basis of the two-component analysis of biosignals of the pulsed filling of the blood vessels

p 34 A86-15517 Evaluation of precordial mapping before and after submaximal exercise amongst normal and asymptomatic subjects with non specific ST-T abnormalities

P 251 A86-35290 An informational assessment of changes in the physiological characteristics of an operator under different P 271 A86-36527 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography p 377 A86-41400

The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750

Spectral-correlation characteristics of EEG in the course of short-term memory tests. I - A study of spectral-correlation parameters of the potentials in the human neocortex during correct short-term memorizing

P 419 A86-49263 On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975

# SIGNAL DETECTION

Spatial-frequency model for hyperacuity

p 19 A86-11147 Use of a signal detection paradigm to assess subjective intersection points in a target location task

p 129 A86-23720 Effect of wearing chemical protective clothing in the heat on signal detection over the visual field [AD-A164945]

p 145 A86-25657 Minimum colour differences required to recognise small objects on a colour CRT p 240 A86-32316 Information processing in vigilance performance -Complexity revisited p 259 A86-33778

The use of signal detection theory in research on human-computer interaction D 266 A86-33779 Anticipatory adjustments during a warning interval -

Cortical negativity and perceptual sensitivity D 261 A86-33818

Goldstone field test activities: Sky survey p 310 N86-26912

JPL's role in the SETI program p 310 N86-26913 SIGNAL MEASUREMENT Automated anthropometric data measurement system

ND-D0122991 D 443 NR6-33017 SIGNAL PROCESSING

#### Luminance and chromaticity signal processing in the human visual system p 121 N86-19852

Simple and choice reaction time in a secondary task under varied stimulus modality probabilities [AD-A159698]

AD-A159698] p 135 N86-19896 Interactive activation models of perception and comprehension [AD-A161362] p 181 N86-21143

Stanford Hardware Development Program

p 309 N86-26910 Goldstone field test activities: Target search

D 309 N86-26911 Studies on information processing mechanisms in the central visual system of the cat [EL-861]

p 277 N86-27865 Studies on visual information processing in retinal neurons

p 288 N86-27906 Speech analysis based on a model of the auditory system

[AD-A167426] p 427 N86-32098

### SIGNAL TO NOISE RATIOS

A new application of adaptive noise cancellation --- in acoustic barriers p 99 A86-22626 Variability analysis of visually induced responses in the

midst of noise [B8564052] p 16 N86-10774 Fiber optic pressure sensors in skin-friction

measurements [NASA-CR-176294] p 16 N86-11838 SIGNAL TRANSMISSION

Power and signal transmission for mobile teleoperated systems

[DE85-013994] p 45 N86-12975 SIGNS AND SYMPTOMS

Tachygastria and motion sickness D 32 A86-14315 Clinical problems encountered by a squadron flight SUITGEOD D 112 A86-24502 Ischemic cardiopathology in pilots - The risk, the

methods of detection and prevention D 113 A86-24511

is space sickness a form of motion sickness?

p 214 A86-30382 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness

D 252 A86-36224 Effects of pressure on uptake and release of calcium by brain synaptosomes p 247 A86-36225 Clinico-epidemiological characteristics of Q fever in Carpathian foothills D 118 N86-19834 Evaluation of a multi-method group treatment approach

for the management of stress [AD-A160813] p 135 N86-19897 A review of the pilot backache problem in the CH113

abrador helicopter [AD-A164011] p 256 N86-25113 Acute oral toxicity (LD50) of guanidine hydrochloride in

[AD-A165747] p 376 N86-28608 Effect of dexamethasone on symptoms of acute mountain sickness at Pikes Peak, Colorado (4300m) [AD-A168662] p 425 N86-32963 SILICATES

US Department of Agriculture/Corps of Engineers cooperative aquatic plant control research. Annual report for FY 1983; chemical control technology FAD-A1618671 p 212 N86-24184

SILICON DIOXIDE Iron-silica crystallite nucleation by bacteria in a

geothermal sediment p 247 A86-36368 SIMULATION

Training aircraft accident investigators simulations P 233 A86-29928 Simulators; Proceedings of the Conference, Norfolk, VA, March 3-8, 1985 p 381 A86-40476

Phase shifting two coupled circadian pacemakers -Experience and performance in video games and its influence on aptitude tests in aviation psychology

[DFVLR-FB-85-43] p 73 N86-15915 USSR Space Life Sciences Digest, issue 3

[NASA-CR-3922(03)] p 106 N86-18949 Simulation model for plant growth in controlled p 149 N86-19914

p 134 N86-18984

		200141 1001 477011
Modeling electrocardiograms using interacting Markov	SLEEP Hypnogenic activity of a cyclic structural analog of	SOCIAL ISOLATION Implications of privacy needs and interpersonal
chains [AD-A162758] p 178 N86-22105	delta-sleep-inducing peptide p 105 A86-24368	distancing mechanisms for space station design
The system integration and verification testing of an	Electrical activity of cerebellum in the wakefulness-sleep	[NASA-CR-176938] p 408 N86-30338
orbital maneuvering vehicle for an air bearing floor	cycle p 157 A86-29255	SODIUM
[NASA-CR-178350] p 242 N86-24217 An investigation of the use of steady-state evoked	Catching zzzs in zero-G p 217 A86-31150	Water excretion and natriuretic function in the kidneys of rats adapted to cold p 3 A86-12520
potentials for human performance and workload	Sleep in an aerospace environment p 282 A86-39775	Sodium and potassium recycle in closed
assessment and control	Intradiurnial organization of wakefulness-sleep	ecosystem-space agriculture p 144 A86-25199
[AD-A166205] p 404 N86-30332	sequence and energy metabolism in rats exposed to low	SODIUM NITRATES
SINKS The role of the accord in the atmospheric evolution	ambient temperature p 5 N86-10764	External respiration, gas exchange, and blood oxygen parameters in acute methemoglobinemia
The role of the oceans in the atmospheric cycle of carbonyl sulfide p 277 N86-26796	Endocrine and fluid metabolism in males and females of different ages after bedrest, acceleration and lower body	[DRIC-T-7663] p 415 N86-32082
SITES	negative pressure	SOFTWARE ENGINEERING
Submarine hydrothermal vents and associated gradient	[NASA-TM-58270] p 39 N86-13886	The Berkeley Serendip Project p 309 N86-26906
environments as sites for the origin and evolution of life	Benzodiazepine activity: Daytime effects and the sleep	Pilot interaction with automated airborne decision
p 48 A86-14123 SITTING POSITION	EEG [AD-A158702] p 63 N86-14879	making systems [NASA-CR-176986] p 408 N86-31218
Vibration transmissibility in seated subjects	An experimental trial to test the efficacy of temazepam	SOFTWARE TOOLS
p 22 A86-12436	to induce sleep and improve subsequent performance	Utility of an emulation and simulation computer model
Anti-G suit protection and body position	during partial sleep deprivation and circadian rhythm	for air revitalization system hardware design, development,
p 432 A86-47764 SIZE (DIMENSIONS)	desynchronosis [AD-A160795] p 116 N86-18972	and test [SAE PAPER 851377] p 140 A86-23560
Torso sizing ring construction for hard space suit	[AD-A160795] p 116 N86-18972 Enhancement of somniferous effects of thermal	Goldstone field test activities: Target search
[NASA-CASE-ARC-11616-1] p 384 N86-28618	pulsation by simultaneous application to two reflexogenic	p 309 N86-26911
SIZE DETERMINATION	zones p 120 N86-19849	Striving for natural usage
The dynamics of the human estimation of image size	Crew factors in flight operations. Part 4: Sleep and	[DE86-009402] p 435 N86-32105
and its neurophysiological correlates p 89 A86-22539 Bigness is in the eye of the beholder size and distance	wakefulness in international aircrews	SOIL SCIENCE Paleosols and the chemical evolution of the
perception of pilots in flight p 233 A86-31820	[NASA-TM-88231] p 379 N86-28613 Altitude acclimatization (ventilation and	atmosphere p 301 N86-26870
SKIN (ANATOMY)	chemoresponsiveness) during wakefulness and sleep	SOILS
Topical effects of molten salt on rat integument - A	[AD-A167738] p 423 N86-32091	Phosphorobacterin and its effectiveness
histological and photometric assessment	Predictors of periodic breathing at altitude	[AD-A164508] p 248 N86-25973
p 245 A86-33761	[AD-A167947] p 424 N86-32957	SOLAR ACTIVITY EFFECTS
Forearm skin and muscle vasoconstriction during lower body negative pressure p 280 A86-39093	SLEEP DEPRIVATION  The effect of 24-hr sleep deprivation on the metabolism	Effect of cosmoheliogeophysical factors on bacterial agglutionation in vitro p 155 A86-27473
Dermal substance collection device	of biogenic amines p 9 A86-10700	
[AD-D011848] p 38 N86-12962	Disturbances in the night sleep structure and	Colloidal and meteorological in vitro reactions p 165 N86-21024
Gas chromatographic analysis of free fatty acids of skin	organization and their significance in the	SOLAR FLARES
surface lipids p 67 N86-15891	adaptive-recuperation processes p 217 A86-32875	Cytogenetic analyses of peripheral lymphocytes
Transport of arterial blood gates through human skin p 91 N86-16887	The effects of age, sleep deprivation, and altitude on complex performance	subjected to simulated solar flare radiation
The absorption of benzene through human skin	[AD-A156987] p 15 N86-10771	p 412 N86-31431
[AD-A161157] p 127 N86-19894	An experimental trial to test the efficacy of temazepam	SOLAR PROTONS
The interface between atmosphere and organism	to induce sleep and improve subsequent performance	Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation
p 164 N86-21014	during partial sleep deprivation and circadian rhythm	p 412 N86-31431
Application of meteorological and solar data in health resort climatherapy p 170 N86-21067	desynchronosis [AD-A160795] p 116 N86-18972	SOLAR RADIATION
Evaluation of condition of human skin in a closed	Physical fitness as a moderator of cognitive work	Hydrogen production from salt water by Marine blue
environment by means of chromatography	capacity and fatigue onset under sustained combat-like	green algae and solar radiation p 245 A86-34985
p 174 N86-21130	operations	The influence of heliometeorologic factors on circulation
Electrodermal changes corresponding to the degree of	[AD-A160417] p 134 N86-18982	and some vegetative functions p 165 N86-21021
discomfort induced by motion sickness [NAL-TR-880] p 176 N86-22096	Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846	Weather and asthma symptoms p 166 N86-21029
Radiation induction of cancer of the skin	Electric sleep method of preventing fatigue build-up in	Application of meteorological and solar data in health resort climatherapy p 170 N86-21067
[DE86-002201] p 221 N86-23270	sailors on extended cruises p 235 N86-23248	SOLAR TERRESTRIAL INTERACTIONS
In vivo dermal absorption method and system for	The energy cost of combat engineer tasks	Survival of the Jovian planets with the sun a Rec
laboratory animals [AD-D012325] p 417 N86-32951	[AD-A161861] p 223 N86-24195	Giant p 101 A86-21644
[AD-D012325] p 417 N86-32951 SKIN FRICTION	A 24-hour structure of vigilance under prolonged sleep deprivation: Relationship with performance	Colloidal and meteorological in vitro reactions
Fiber optic pressure sensors in skin-friction	[AD-A167399] p 422 N86-32089	p 165 N86-2102-
measurements	A simulation study of the effects of sleep deprivation,	SOLID PROPELLANT ROCKET ENGINES  Standardization of carbon-phenolic composite tes
[NASA-CR-176294] p 16 N86-11838	time of watch and length of time on watch on watchstanding	methodology p 243 N86-2452
SKIN GRAFTS	effectiveness	SOLID WASTES
Many medical uses foreseen for artificial skin p 220 N86-23245	[AD-A167729] p 424 N86-32956 SMEAR	Wet oxidation of a spacecraft model waste
SKIN TEMPERATURE (BIOLOGY)	Suppression of visible persistence in apparent motion	[SAE PAPER 851372] p 140 A86-2355
Hand grip strength decrease related to hand skin	p 133 A86-26298	Solid waste treatment processes for space station
temperature drop during six-hour ice cold water	SMOG	p 47 N86-1409
immersion p 86 A86-19348 Comparative cold responses of men and women to	Effects of air pollution on man p 167 N86-21038	SOLUBILITY  A model of inhaled gas and vapor transport in the huma
external and internal cold stimuli p 87 A86-20403	SMOKE Bioassay of military relevant compounds for	lung
Mechanism of noradrenaline effect on the skin	carcinogenic activity by the strain A mouse lung tumor	[AD-A160829] p 117 N86-1897
thermoreceptors p 103 A86-23491	bioassay	SOLUTES
Cutaneous vascular responses to heat simulated at a	[AD-A156772] p 93 N86-17981	Solute conductance of blood-gas barrier in hamster
high altitude of 5,600 m p 252 A86-36219 Effect of nerve block on response of forearm blood flow	Photosimulation of target acquisition in the presence	exposed to hyperoxia p 391 A86-4419
to local temperature p 418 A86-47873	of smoke: A pilot study [IZF-1984-36] p 95 N86-17986	SOLUTIONS  Adsorption and condensation of amino acids an
Heat transfer mechanism in human extremities	Evaluation of a passenger mask modified with a	nucleotides with soluble mineral salts
p 14 N86-10759	rebreather bag for protection from smoke and fumes	p 301 N86-2686
Human thermoregulatory responses to cold air are	[AD-A162473] p 188 N86-22116	SOLVENTS
altered by repeated cold water immersion [AD-A158871] p 68 N86-15904	Inhalation toxicology. Part 6: Evaluation of the relative toxicity of thermal decomposition products from 9 aircraft	Bioassay of military relevant compounds for
Diver response to hot water loss at depths greater than	panel materials	carcinogenic activity by the strain A mouse lung tume
300 meters: Experimental observations and theoretical	[AD-A168250] p 424 N86-32958	bioassay [AD-A156772] p 93 N86-1798
interpretation p 121 N86-19855	SOCIAL FACTORS	Micellar enzymology p 109 N86-1983
Heat acclimatization developed during summer running in northeastern United States	The social-psychological aspects of pilot-error - Male	Molecular microenvironments: Solvent interactions with
[AD-A162728] p 177 N86-22102	vs female p 228 A86-29885 'Captain I was trying to bring up the fact that you made	nucleic acid bases and ions p 302 N86-2687
Thermoregulation after atropine and pralidoxime	a mistake earlier' - Deference and demeanor at 30,000	SONAR
administration	feet p 229 A86-29894	The effects of bimodal presentation of stimuli and nois
[AD-A165868] p 397 N86-30304	Realistic training for effective crew performance	on target detection [AD-A160122] p 134 N86-1898
SKYLAB PROGRAM  Understanding metabolic alterations in space flight using	[SAE PAPER 851916] p 264 A86-35446	[AD-A160122] p 134 N86-1898 Multimodal versus unimodal information processing
quantitative models - Fluid and energy balance	Implications of privacy needs and interpersonal distancing mechanisms for space station design	words
[IAF PAPER 85-325] p 36 A86-15830	[NASA-CR-176938] p 408 N86-30338	[AD-A160517] p 134 N86-1898

SUBJECT INDEX SOOT The biological efficiency of dust emmission: Determination based on the withering degree of exposed lichens p 169 N86-21047 SOYBEANS Evidences for changes in sensitivity to auxin and in cell-wall properties during gravitropic bending of dicot p 196 A86-30409 SPACE ADAPTATION SYNDROME Periodisation and classification of adaptive reactions of in prolonged space flights [IAF PAPER 84-185] D 10 A86-12363 Medical evaluation of cosmonauts - Assessment of vestibular system p 11 A86-12429 Physiologic adaptation to space - Space adaptation syndrome [IAF PAPER 85-313] p 35 A86-15824 Development of countermeasures for use in space missions — to adaptive response to space flight [IAF PAPER 85-327] AF PAPER 85-327] p 36 A86-15832 Metabolic aspects of the problem of stress in space flight --- Russian book p 105 A86-24136 The effective intensity of Coriolis, cross-coupling stimulation is gravitoinertial force dependent - Implications for space motion sickness or space motion sickness p 163 A86-29093 Concerns are being raised about living in the space p 163 A86-29499 is space sickness a form of motion sickness? P 214 A86-30382 Early adaptation to altered gravitational environments in the squirrel monkey the squirrel monkey p 203 A86-30461
Head movements in non-terrestrial force environments space motion sickness

elicit motion sickness - Implications for the etiology of p 253 A86-36315 Animal studies on Spacelab-3 [NASA-TM-88212] NASA-TM-88212] p 92 N86-16889 General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886

Stimulus specificity and individual stereotypy of autonomic responses to motion stressors [NASA-CR-176543] p 171 N86-21107 Shuttle flight experiment 30-day summary report [NASA-CR-176539]

p 171 N86-21109 Commentary on results of biological satellite program p 278 N86-27871 Effects of simulated weightlessness on regional blood

flow specifically during cardiovascular stress [NASA-CR-177117] p 379 N86-29495 Analysis of nystagmus response to a pseudorandom velocity input p 402 N86-31426

Flow cytometry analysis of hormone receptors on human eripheral blood mononuclear cells to identify stress-induced neuroendocrine effects

p 403 N86-31428 Selection of an appropriate animal model for study of bone loss in weightlessness P 412 N86-31436 NASA Workshop on Animal Gravity-Sensing Systems [NASA-TM-88249] p 417 N86-32950 SPACE BASES

Critical life science issues for a Mars base [AAS 84-167]

p 156 A86-28793 Advanced spacesuit glove design p 186 A86-28801

The retrieval, storage, and recycling of water for a manned base on Mars [AAS 84-180] p 186 A86-28806

Water supply for a manned Mars base [AAS 84-181] p 186 A86-28807 Mass-balance model for a controlled ecological life support system on Mars

p 186 A86-28810 SPACE COLONIES Using the IRAS data to search in the asteroid belt for

any potential evidence of galactic colonization p 309 N86-26908

SPACE COMMERCIALIZATION Medical technology in space - Foreseeable economic p 155 A86-27878 SPACE ENVIRONMENT SIMULATION

Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei

p 77 A86-17740 SPACE EXPLORATION The question of life on Mars p 410 A86-43927

SPACE FLIGHT Ames Research Center life sciences payload - Overview of results of a spaceflight of 24 rats and 2 monkeys

[AIAA PAPER 85-6092] p 50 A86-17607 Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402 Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452

Animal studies on Spacelab-3 [NASA-TM-88212] p 92 N86-16889 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949

The beginnings of airborne weightlessness research [AD-A160575] D 115 N86-18966 A proposal for a longitudinal study to assess the hazards of radiation in space flight [AD-A1608011 D 117 N86-18975

USSR Space Life Sciences Diges: Index to Issues 1-4 [NASA-CR-3922(06)] p 248 N86-25971 Special features of surgical intervention under conditions of weightlessness [AD-A1679161

p 423 N86-32092 SPACE FLIGHT FEEDING

Processing and packaging - Preparation techniques enhance meals on the Shuttle p 187 A86-29497 Hygenic aspects of regular diet of flight personnel

p 60 N86-14849 Potential for utilization of algal biomass for components of the diet in CELSS p 148 N86-19907 BLSS, a European approach to CELSS

p 148 N86-19908 Design concepts for bioreactors in space

p 151 N86-19926 The development of an unconventional food regeneration process: Quantifying the nutritional components of a model methylotrophic yeast

p 151 N86-19928 Utilization of potatoes in CELSS: Productivity and growing systems p 152 N86-19935 Optimization of controlled environments for hydroponic production of leaf lettuce for human life support in p 152 N86-19936

NASA Facts: Space Shuttle food systems (NF-150/1-861 p 434 N86-32102

SPACE FLIGHT STRESS

Periodisation and classification of adaptive reactions of man in prolonged space flights [IAF PAPER 84-185]

p 10 A86-12363 Medical requirement for manned space programm

p 11 A86-12426 Medical evaluation of cosmonauts - Physiological stress D 11 A86-12427 Medical evaluation of cosmonauts - Cardiovascular

P 11 A86-12428 Medical evaluation of cosmonauts - 'Acceleration' P 11 A86-12430

Medical evaluation of cosmonauts - Biochemical investigations p 11 A86-12433 An overview of space physiology ygy and related p 87 A86-21097 experiments on Spacelab 1

Health maintenance and human productivity in the Space [SAE PAPER 851312] D 110 ARE-23503

Metabolic aspects of the problem of stress in space flight --- Russian book p 105 A86-24136 Anabolic steroids as a countermeasure against bone demineralization during space flight p 114 A86-25662
Psychological considerations in long-duration space

missions An overview [AAS 84-1881 p 179 A86-28814 A review of the psychological aspects of space flight

p 179 A86-29090 Immunological analyses of U.S. Space Shuttle crewmembers D 162 A86-29091 Concerns are being raised about living in the space p 163 A86-29499 Spaceflight and calcium metabolism

p 192 A86-30378 Fluid and electrolyte control in simulated and actual spaceflight p 214 A86-30385 Effects of gravitational and muscular loading on bone formation in growing rats p 194 A86-30396

Changes in functional metabolism in the rat central nervous system following spaceflight

D 199 A86-30433 Hypokinezia and space flight reflected on rats omach p 200 A86-30442 Electron microprobe analyses of Ca, S, Mg and P distribution in incisors of Spacelab-3 rats

D 202 A86-30455 Homeostasis and biological rhythms in the rat during spaceflight p 202 A86-30460 Morphological and biochemical changes in soleus and extensor digitorum longus muscles of rats orbited in p 203 A86-30464 Reduction of the spermatogonial population in rat testes flown on Space Lab-3 p 203 A86-30466

Effect of flight in mission SL-3 on interferon-gamma production by rats p 204 A86-30467 Biochemical and morphological evaluation of the effects of space flight on rat salivary glands

p 204 A86-30468 Microprobe analysis of epiphyseal plates from Spacelab 3 rats p 204 A86-30469 Otoconial morphology in space-flown rats

p 204 A86-30470 Effect of seven days of spaceflight on hindlimb muscle protein, RNA and DNA in adult rats p 204 A86-30471

1,25-Dihydroxyvitamin D3 receptors in space-flown v grounded control rat kidneys p 204 A86-30472 Hepatic enzymes of sphingolipid and glycerolipid biosynthesis in rats from Spacelab 3

D 205 A86-30475 Hepatic enzyme adaptation in rats after space flight p 205 A86-30476 Atriopetin (AP-3) in atria and plasma of rats orbited aboard NASA Spacelab (SL3) for seven days

p 205 A86-30477 Plasma renin concentration (PRC) of rats orbited for 7 days aboard NASA Spacelab 3 p 205 Bone maturation in rats flown on the Spacelab-3 p 205 A86-30479 Medical problems of space flights p 251 A86-35285 Training of cosmonauts and experience during space ght p 263 A86-35286

Medical evaluation of cosmonauts during space flight and immediate pre and post flight periods

p 251 A86-35287 Vectorcardiographic studies during Indo-Soviet joint space project p 251 A86-35288 Some aspects of yogic exercises during space flight p 263 A86-35289

Respiratory diseases - Aeromedical aspects including isposal p 252 A66-35291 Muscle atrophy during space flight - Research needs and opportunities p 255 A86-37077 Cardiovascular responses of women to lower body negative pressure p 377 A86-41779 Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays

p 373 A86-41787 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884 Experiments with developing plants aboard Salyut-5,

Salyut-6 and Salyut-7 oribital stations p 279 N86-27891 Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624 NASA Workshop on Animal Gravity-Sensing Systems [NASA-TM-88249] p 417 N86-32950

SPACE FLIGHT TRAINING

Space motion sickness preflight adaptation training Preliminary studies with prototype trainers [IAF PAPER 85-311]

p 35 A86-15822 Flight training for Space Shuttle missions p 427 A86-50283

USSR Space Life Sciences Digest, issue 5 [NASA-CR-3922(05)] p 248 N86-25109 USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)]

p 277 N86-27864 SPACE HABITATS

Controlled ecological life support systems for space habitats p 98 A86-22325 Space Station design criteria for long-term human [DGLR PAPER 85-147]

D 269 A86-35185 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906

Potential for utilization of algal biomass for components of the diet in CELSS p 148 N86-19907 CELSS experiment model and design concept of gas recycle system p 148 N86-19909 The C23A system, an exmaple of quantitative control

of plant growth associated with a data base p 148 N86-19911 Plan for CELSS test bed project p 149 N86-19915

Plant growth chamber M design p 149 N86-19916 Operational development of small plant mail plant growth p 149 N86-19917 Design concepts for bioreactors in space

D 151 N86-19926 A method for screening of plant species for space use p 152 N86-19938 The role of plant disease in the development of

controlled ecological life support systems p 153 N86-19942 Development of space technology for ecological

p 153 N86-19943 SPACE HEATING (BUILDINGS) Problems of city planning meteorological

arameters p 169 N86-21049 Problems in city climate evaluation in human biometeorological terms p 169 N86-21050 SPACE LABORATORIES

Space Station life science research facility - The vivarium/laboratory p 201 A86-30449 Study of biosample preservation, handling, and observation facilities [ESA-CR(P)-2126] p 213 N86-24191

Independent study of automation and robotics for the National Space Program by the Automation and Robotics

p 148 N86-18990

[NASA-CR-176523]

SPACE MAINTENANCE	Psychological considerations in long-duration space	Space Station Environmental Control/Life Support
Teleropotics for the Space Station	missions An overview	System engineering
p 182 A86-26493	[AAS 84-188] p 179 A86-28814	[SAE PAPER 851375] p 140 A86-23558
Design techniques for robots - Space applications	A review of the psychological aspects of space flight	Environmental Control and Life Support Systems
p 183 A86-28074	p 179 A86-29090	technology options for Space Station application
Advanced space suit development for future on-orbit	Astronaut crew performance - Recent space	[SAE PAPER 851376] p 140 A86-23559
operations	experience	BLSS, a European approach to CELSS Biological
[AIAA PAPER 86-2310] p 407 A86-46941	[SAE PAPER 851802] p 264 A86-35434	Life Support Systems
Zero-G simulation verifies EVA servicing of space station	Theoretical principles underlying the evaluation, control,	[SAE PAPER 851391] p 141 A86-23569
modules	and correction of the impact of emotions on cosmonaut	Utilization of membranes for H2O recycle system
[AIAA PAPER 86-2312] p 407 A86-46942	activity p 403 A86-44601	[SAE PAPER 851394] p 141 A86-23571
Study on design techniques for robots (space	Implications of privacy needs and interpersonal	Space Station crew safety - Human factors model
applications). Volume 1, part A: Technical results	distancing mechanisms for space station design	p 143 A86-23742
[FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902	[NASA-CR-176938] p 408 N86-30338	Telerobotics for the Space Station
Study on design techniques for robots (space	USSR Space Life Sciences Digest, issue 7	p 182 A86-26493
applications). Volume 1, part B: Technical results	[NASA-CR-3922(08)] p 416 N86-32083	Considerations in the design of life sciences research
[FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903	•	facilities for the Space Station p 200 A86-30441
Study on design techniques for robots (space	SPACE RATIONS	Vivaria requirements for animal life cycle studies on
applications). Volume 2: Technical appendices	NASA Facts: Space Shuttle food systems	space station p 200 A86-30443
[FOK-TR-R-84-110-VOL-2] p 47 N86-13904	[NF-150/1-86] p 434 N86-32102	Space Station life science research facility - The
Study on design techniques for robots (space	SPACE SHUTTLE MISSION 41-G	vivarium/laboratory p 201 A86-30449
applications). Volume 3: Executive summary	Canadian medical experiments on Shuttle Flight 41-G	Life science research on the Space Station
[FOK-TR-R-84-110-VOL-3] p 47 N86-13905	p 110 A86-22996	p 201 A86-30451
The design, fabrication and delivery of a manipulator	SPACE SHUTTLE MISSIONS	Exobiology experiments for space station
foot restraint mockup for space telescope development	Processing and packaging - Preparation techniques	p 243 A86-30453
testing	enhance meals on the Shuttle p 187 A86-29497	Human productivity of Space Station
[NASA-CR-178837] p 272 N86-25121	Flight training for Space Shuttle missions	p 268 A86-33813
Control of a free-flying robot manipulator system	p 427 A86-50283	Advanced manipulator system architectural
[NASA-CR-179717] p 443 N86-33016	Effects of simulated weightlessness on regional blood	requirements for Space Station p 269 A86-34957
Control loops with human operators in space operations.	flow specifically during cardiovascular stress	Space Station human productivity study
Part 2: Robotics operations and manual control	[NASA-CR-177117] p 379 N86-29495	p 269 A86-34980
experiment	SPACE SHUTTLE ORBITERS	Space Station design criteria for long-term human
[NLR-TR-84116-L-PT-2] p 444 N86-33024	Environmental management of payload processing	habitation
SPACE MANUFACTURING		[DGLR PAPER 85-147] p 269 A86-35185
Robotics and the space station p 98 A86-20507	facilities [AIAA PAPER 85-6067] p 73 A86-17602	Space Station crew interface specifications and
SPACE MISSIONS		standards
Hermes ECLSS - Review of general requirements and	SPACE SHUTTLE PAYLOADS	[SAE PAPER 851801] p 270 A86-35433
application to the spaceplane definition	Environmental management of payload processing	Space Station crew workload - Station operations and
[IAF PAPER 85-304] p 45 A86-15817	facilities	customer accommodations
The roles of astronauts and machines for future space	[AIAA PAPER 85-6067] p 73 A86-17602	[SAE PAPER 851803] p 270 A86-35435
operations	Life Sciences Space Station planning document: A	Space telerobotics - A few more hurdles
[SAE PAPER 851332] p 137 A86-23521	reference payload for the Life Sciences Research	p 272 A86-37047
Behavioral considerations for space station design	Facility	Life science opportunities in the Space Station
[AD-A163478] p 265 N86-25118	[NASA-TM-89188] p 393 N86-30302	p 275 A86-37855
SPACE PERCEPTION	SPACE SHUTTLES	Recent advances in teleoperation - Implications for the
Perceived contrast in the fovea and periphery in	Compatible atmospheres for a space suit, Space Station,	Space Station p 383 A86-40508
human retina	and Shuttle based on physiological principles	Intelligent crew workstations p 406 A86-44532
[AD-A162557] p 19 A86-11148	p 44 A86-14311	Environmental control/life support system for Space
Spatial location and hyperacuity - The centre/surround	Wearing contact lenses in Space Shuttle operations	Station p 407 A86-45692
localization contribution function has two substrates	p 60 A86-18845	An updated model for a Space Station Health
p 19 A86-12061	Performance and endurance testing of a prototype	Maintenance Facility
Encoding of spatial location by posterior parietal	carbon dioxide and humidity control system for Space	[AIAA PAPER 86-2303] p 397 A86-46938
		Growth evolution of the Space Station ECLSS
neurons p 27 A86-14714 Visual-contrast measurement - Measurement of the	Shuttle extended mission capability [SAE PAPER 851374] p 140 A86-23557	[AIAA PAPER 86-2313] p 407 A86-46943
spatial transfer functions of the visual system Russian		Impact of automation on Space Station MMI design
	Plant growth responses to atmosphere and other	Man-Machine Interface
book p 27 A86-15467 Vision in spatial discrientation (SDO) and loss of	environmental variables in the Space Shuttle Plant Growth Unit p 196 A86-30415	[AIAA PAPER 86-2316] p 407 A86-46944
		Advanced operator/system interface concepts for the
	Endosing and fluid matchalism in males and families	
situational awareness p 226 A86-29853	Endocrine and fluid metabolism in males and females	Space Station
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance	of different ages after bedrest, acceleration and lower body	Space Station [AIAA PAPER 86-2317] p 407 A86-46945
situational awareness p 226 A86-29853  Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820	of different ages after bedrest, acceleration and lower body negative pressure	[ÁIAA PAPER 86-2317] p 407 A86-46945
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820 The metric of visual space p 234 A86-32072	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences
situational awareness p 226 A86-29853  Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820  The metric of visual space p 234 A86-32072  Adapted head- and eye-movement responses to	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems	[ÁIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960
situational awareness p 226 A86-29853  Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820  The metric of visual space p 234 A86-32072  Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102	[AlAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AlAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system
situational awareness p 226 A86-29853  Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820  The metric of visual space p 234 A86-32072  Adapted head and eye-movement responses to	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440
situational awareness p 226 A86-29853  Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820  The metric of visual space p 234 A86-32072  Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS Development and testing of a mouse simulated space	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the
situational awareness p 226 A86-29853  Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820  The metric of visual space p 234 A86-32072  Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758  The interfering effects of processing code on visual	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model	[ÁIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century
situational awareness p 226 A86-29853  Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820  The metric of visual space p 234 A86-32072  Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758  The interfering effects of processing code on visual memory p 259 A86-33782  Assessment of visuospatial abilities using complex	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station,	[ÁIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102  SPACE SIMULATORS Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878  SPACE STATIONS Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences	[ÁIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 259 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-2363 Interaction of image characteristics of stereoscopic forms during depth perception	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311  Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820 The metric of visual space p 23 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831 Components of spatial ability	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space	[ÁIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 259 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23631 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831 Components of spatial ability [AD-A165694] p 382 N86-28616	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Study on design techniques for robots (space
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831 Components of spatial ability [AD-A165694] p 382 N86-28616 Spatiotemporal characteristics of visual localization	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Study on design techniques for robots (space applications). Volume 1, part A: Technical results
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 259 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23631 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831 Components of spatial ability [AD-A165694] p 382 N86-28616	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space	[ÁIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831 Components of spatial ability [AD-A165694] p 382 N86-28616 Spatiotemporal characteristics of visual localization	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102  SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878  SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station Fundamental physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831 Components of spatial ability [AD-A165694] p 382 N86-28616 Spatiotemporal characteristics of visual localization p 404 N86-30331	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851313] p 111 A86-23504	[ÁIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part A: Technical results
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831 Components of spatial ability [AD-A165094] p 382 N86-28616 Spatiotemporal characteristics of visual localization [AD-A166097] p 404 N86-30331 Sensitivity to visual motion in statistically defined	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851313] p 111 A86-23504 Electrochemical CO2 concentration for the Space	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 259 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831 Components of spatial ability [AD-A165694] p 382 N86-28616 Spatiotemporal characteristics of visual localization p 404 N86-30331 Sensitivity to visual motion in statistically defined displays	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851313] p 111 A86-23504 Electrochemical CO2 concentration for the Space Station Program	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33782 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A168919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831 Components of spatial ability [AD-A166097] p 382 N86-28616 Spatiotemporal characteristics of visual localization [AD-A166097] p 404 N86-30331 Sensitivity to visual motion in statistically defined displays [AD-A167291] p 405 N86-31217	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311  Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851313] p 111 A86-23504 Electrochemical CO2 concentration for the Space Station Program [SAE PAPER 851341] p 138 A86-23528	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space applications). Volume 2: Technical appendices
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 986-26831 Components of spatial ability [AD-A165694] p 382 N86-26616 Spatiotemporal characteristics of visual localization (ID-A166097) p 404 N86-30331 Sensitivity to visual motion in statistically defined displays [AD-A167291] p 405 N86-31217  SPACE PLATFORMS	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851313] p 111 A86-23504 Electrochemical CO2 concentration for the Space Station Program [SAE PAPER 851341] p 138 A86-23528 Comparison of CO2 reduction process - Bosch and	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p 47 N86-13904
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 382 N86-26831 Components of spatial ability [AD-A165694] p 382 N86-2681 Spatiotemporal characteristics of visual localization [AD-A166097] p 404 N86-30331 Sensitivity to visual motion in statistically defined displays [AD-A167291] p 405 N86-31217 SPACE PLATFORMS Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851313] p 111 A86-23504 Electrochemical CO2 concentration for the Space Station Program [SAE PAPER 851341] p 138 A86-23528 Comparison of CO2 reduction process - Bosch and Sabatier	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-12] p 47 N86-13904 Study on design techniques for robots (space
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831 Components of spatial ability [AD-A165694] p 382 N86-28616 Spatiotemporal characteristics of visual localization [AD-A166097] p 404 N86-30331 Sensitivity to visual motion in statistically defined displays [AD-A167291] p 405 N86-31217  SPACE PLATFORMS Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  SPACE PROCESSING	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851313] p 111 A86-23504 Electrochemical CO2 concentration for the Space Station Program [SAE PAPER 851341] p 138 A86-23528 Comparison of CO2 reduction process - Bosch and Sabatier [SAE PAPER 851343] p 139 A86-23530	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13904 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p 47 N86-13904 Study on design techniques for robots (space applications). Volume 3: Executive summary
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 259 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831 Components of spatial ability [AD-A16594] p 382 N86-28616 Spatiotemporal characteristics of visual localization [AD-A166097] Sensitivity to visual motion in statistically defined displays [AD-A167291] p 405 N86-31217  SPACE PLATFORMS Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  SPACE PROCESSING Physiological insights gained through zero-G medical	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851313] p 111 A86-23504 Electrochemical CO2 concentration for the Space Station Program [SAE PAPER 851341] p 138 A86-23528 Comparison of CO2 reduction process - Bosch and Sabatier [SAE PAPER 851343] p 139 A86-23530 Phase change water processing for Space Station	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 74 N86-13903 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p 47 N86-13904 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p 47 N86-13904 Study on design techniques for robots (space applications). Volume 3: Executive summary [FOK-TR-R-84-110-VOL-3] p 47 N86-13905
Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820  The metric of visual space p 234 A86-32072  Adapted head- and eye-movement responses to added-head inertia p 259 A86-33758  The interfering effects of processing code on visual memory p 259 A86-33782  Assessment of visuospatial abilities using complex cognitive tasks  [AD-A158919] p 70 N86-14889  Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263  Interaction of image characteristics of stereoscopic forms during depth perception  [AD-A164895] p 291 N86-26831  Components of spatial ability  [AD-A165694] p 382 N86-26816  Spatiotemporal characteristics of visual localization p 404 N86-30331  Sensitivity to visual motion in statistically defined displays  [AD-A167291] p 405 N86-31217  SPACE PLATFORMS  Mobile remote manipulator vehicle system  [NASA-CASE-LAR-13393-1] p 187 N86-21147  SPACE PROCESSING  Physiological insights gained through zero-G medical research	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851313] p 111 A86-23504 Electrochemical CO2 concentration for the Space Station Program [SAE PAPER 851341] p 138 A86-23528 Comparison of CO2 reduction process - Bosch and Sabatier [SAE PAPER 851343] p 139 A86-23520 Phase change water processing for Space Station [SAE PAPER 851346] p 139 A86-23520	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p 47 N86-13904 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p 47 N86-13904 Study on design techniques for robots (space applications). Volume 3: Executive summary [FOK-TR-R-84-110-VOL-3] Solid waste treatment processes for space station
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 259 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A168919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-28631 Components of spatial ability [AD-A165694] p 382 N86-28616 Spatiotemporal characteristics of visual localization [AD-A166097] p 404 N86-30331 Sensitivity to visual motion in statistically defined displays [AD-A167291] p 405 N86-31217  SPACE PLATFORMS Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  SPACE PROCESSING Physiological insights gained through zero-G medical research p 144 A86-24121 Energy exchange of plants under weightlessness	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851313] p 111 A86-23504 Electrochemical CO2 concentration for the Space Station Program [SAE PAPER 851341] p 138 A86-23528 Comparison of CO2 reduction process - Bosch and Sabatier [SAE PAPER 851346] p 139 A86-23530 Phase change water processing for Space Station [SAE PAPER 851346] p 139 A86-23532 Water quality monitor for recovered spacecraft water	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p 47 N86-13904 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-3] p 47 N86-13905 Solid waste treatment processes for space station p 47 N86-13905
Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820  The metric of visual space p 234 A86-32072  Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758  The interfering effects of processing code on visual memory p 259 A86-33782  Assessment of visuospatial abilities using complex cognitive tasks  [AD-A158919] p 70 N86-14889  Method of changes in reversible pattern masking as factor in visual perception  [AD-A164895] p 291 N86-28631  Components of spatial ability  [AD-A16594] p 382 N86-28616  Spatiotemporal characteristics of visual localization (AD-A166097) p 404 N86-30311  Sensitivity to visual motion in statistically defined displays  [AD-A167291] p 405 N86-31217  SPACE PLATFORMS  Mobile remote manipulator vehicle system  [NASA-CASE-LAR-13393-1] p 187 N86-21147  SPACE PROCESSING  Physiological insights gained through zero-G medical research p 144 A86-24121  Energy exchange of plants under weightlessness conditions	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station (SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851341] p 111 A86-23504 Electrochemical CO2 concentration for the Space Station Program [SAE PAPER 851341] p 138 A86-23528 Comparison of CO2 reduction process - Bosch and Sabatier [SAE PAPER 851344] p 139 A86-23530 Phase change water processing for Space Station [SAE PAPER 851346] p 139 A86-23532 Water quality monitor for recovered spacecraft water [SAE PAPER 851347] p 139 A86-23533	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 74 N86-13903 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p 47 N86-13904 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-3] p 47 N86-13905 Solid waste treatment processes for space station p 47 N86-13905 Solid waste treatment processes for space station p 47 N86-13905
situational awareness p 226 A86-29853 Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820 The metric of visual space p 234 A86-32072 Adapted head- and eye-movement responses to added-head inertia p 259 A86-33758 The interfering effects of processing code on visual memory p 259 A86-33782 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-2363 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895] p 291 N86-26831 Components of spatial ability [AD-A165694] p 382 N86-26816 Spatiotemporal characteristics of visual localization [AD-A166097] p 404 N86-30331 Sensitivity to visual motion in statistically defined displays [AD-A167291] p 405 N86-31217  SPACE PLATFORMS Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  SPACE PROCESSING Physiological insights gained through zero-G medical research p 144 A86-24121 Energy exchange of plants under weightlessness conditions	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851313] p 111 A86-23504 Electrochemical CO2 concentration for the Space Station Program [SAE PAPER 851341] p 138 A86-23528 Comparison of CO2 reduction process - Bosch and Sabatier [SAE PAPER 851343] p 139 A86-23530 Phase change water processing for Space Station [SAE PAPER 851346] p 139 A86-23532 Water quality monitor for recovered spacecraft water [SAE PAPER 851347] p 139 A86-23532 Water quality monitor for recovered spacecraft water	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p 47 N86-13904 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-3] p 47 N86-13904 Study on design techniques for robots (space applications). Volume 3: Executive summany [FOK-TR-R-84-110-VOL-3] p 47 N86-13905 Solid waste treatment processes for space station p 47 N86-14091 A study to define a set of requirements for cleansing agents for use in the Space Station whole body shower
Bigness is in the eye of the beholder size and distance perception of pilots in flight p 23 A86-31820  The metric of visual space p 234 A86-32072  Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758  The interfering effects of processing code on visual memory p 259 A86-33782  Assessment of visuospatial abilities using complex cognitive tasks  [AD-A158919] p 70 N86-14889  Method of changes in reversible pattern masking as factor in visual perception  [AD-A164895] p 291 N86-28631  Components of spatial ability  [AD-A16594] p 382 N86-28616  Spatiotemporal characteristics of visual localization (AD-A166097) p 404 N86-30311  Sensitivity to visual motion in statistically defined displays  [AD-A167291] p 405 N86-31217  SPACE PLATFORMS  Mobile remote manipulator vehicle system  [NASA-CASE-LAR-13393-1] p 187 N86-21147  SPACE PROCESSING  Physiological insights gained through zero-G medical research p 144 A86-24121  Energy exchange of plants under weightlessness conditions	of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 SPACE SIMULATORS  Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 SPACE STATIONS  Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles p 44 A86-14311 Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Robotics and the space station p 98 A86-20507 Human physiological adaptation to extended Space Flight and its implications for Space Station (SAE PAPER 851311] p 110 A86-23502 Physiological considerations for EVA in the Space Station era [SAE PAPER 851341] p 111 A86-23504 Electrochemical CO2 concentration for the Space Station Program [SAE PAPER 851341] p 138 A86-23528 Comparison of CO2 reduction process - Bosch and Sabatier [SAE PAPER 851344] p 139 A86-23530 Phase change water processing for Space Station [SAE PAPER 851346] p 139 A86-23532 Water quality monitor for recovered spacecraft water [SAE PAPER 851347] p 139 A86-23533	[AIAA PAPER 86-2317] p 407 A86-46945 Space Station - Life sciences [AIAA PAPER 86-2346] p 393 A86-46960 Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A86-47440 Automation and robotics for Space Station in the twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552 Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 Life sciences research on the space station: An introduction [NASA-TM-86836] p 3 N86-10734 Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 74 N86-13903 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p 47 N86-13904 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-3] p 47 N86-13905 Solid waste treatment processes for space station p 47 N86-13905 Solid waste treatment processes for space station p 47 N86-13905

Space Station life sciences guidelines for nonhuman experiment accommodation
[SAE PAPER 851370] p 104 ARR-295E9

missions [AAS 84-186]

Psychological and interpersonal adaptation to Mars

p 179 A86-28812

Microbiological management of Spacelab 3 rodents [AIAA PAPER 85-6090] p 26 A86-14386

Utilization of space stations in the field of life sciences
[IAF PAPER 85-51] p 35 A86-15637

<b>5</b>		
Potential for utilization of algal biomass for components	Spacelab experiments on space motion sickness	Comparison of CO2 reduction process - Bosch and
of the diet in CELSS p 148 N86-19907	[IAF PAPER 85-312] p 35 A86-15823	Sabatier
BLSS, a European approach to CELSS	Ames Research Center life sciences payload - Overview	[SAE PAPER 851343] p 139 A86-23530
p 148 N86-19908	of results of a spaceflight of 24 rats and 2 monkeys	Space Station nitrogen supply system based on stored
CELSS experiment model and design concept of gas	[AIAA PAPER 85-6092] p 50 A86-17607	chemicals
recycle system p 148 N86-19909	Arnes Research Center Life Sciences Payload -	[SAE PAPER 851349] p 139 A86-23535
Utilization of membranes for H2O recycle system	Overview of results of a spaceflight of 24 rats and 2	Performance and endurance testing of a prototype
p 148 N86-19910	monkeys [AIAA PAPER 86-0583] p 79 A86-19963	carbon dioxide and humidity control system for Space
Water recycling system using thermopervaporation		Shuttle extended mission capability
method p 150 N86-19921	An overview of space physiology and related	[SAE PAPER 851374] p 140 A86-23557
Development of space technology for ecological	experiments on Spacelab 1 p 87 A86-21097	Environmental control and life support systems
habitats p 153 N86-19943	Space Station life sciences guidelines for nonhuman experiment accommodation	p 406 A86-44534
Direct model reference adaptive control of a flexible	[SAE PAPER 851370] p 104 A86-23553	Evaluation of condition of human skin in a closed
robotic manipulator	Description of concept and first feasibility test results	environment by means of chromatography
[NASA-CR-176659] p 188 N86-22113	of a life support subsystem of the Botany Facility based	p 174 N86-21130
Behavioral considerations for space station design	on water reclamation	SPACECRAFT CABINS
[AD-A163478] p 265 N86-25118	[SAE PAPER 851397] p 104 A86-23574	Further studies on the application of the
Effects of simulated weightlessness on regional blood	The life sciences on board of Spacelab D1	compartmentalization/airlock concept to aircraft and
flow specifically during cardiovascular stress	p 106 A86-24610	spacecraft p 53 A86-18842
[NASA-CR-177117] p 379 N86-29495	Investigations of higher plants under weightlessness	Architect discusses space habitat designs
Space teleoperation research. American Nuclear	p 192 A86-30388	p 47 N86-14161
Society Executive conference: Remote operations and	Gravity sensing in animal cells p 192 A86-30389	SPACECRAFT CONTAMINATION
robotics in the nuclear industry; remote maintenance in	Protein concentration elevations in lungs of mice	Environmental management of payload processing
other hostile environments	following sudden, transient cephalad (+Gz) acceleration	facilities
[NASA-TM-89234] p 386 N86-29513	p 199 A86-30437	[AIAA PAPER 85-6067] p 73 A86-17602
Life Sciences Space Station planning document: A	Vivaria requirements for animal life cycle studies on	SPACECRAFT CONTROL
reference payload for the Life Sciences Research	space station p 200 A86-30443	
Facility	Tissue culture apparatus for flight experimentation	On-orbit manipulators - Sensory and control approaches
[NASA-TM-89188] p 393 N86-30302	p 201 A86-30444	[AIAA PAPER 86-2185] p 429 A86-47467
Evaluating space station applications of automation and	Exobiology experiments for space station	CNES of France researches remote control system for
robotics technologies from a human productivity point of	p 243 A86-30453	space p 75 N86-15444
view p 409 N86-31412	Morphological and biochemical changes in soleus and	Control theoretic analysis of human operator mediated
Cytogenetic analyses of peripheral lymphocytes	extensor digitorum longus muscles of rats orbited in	rendezvous and docking
subjected to simulated solar flare radiation	Spacelab 3 p 203 A86-30464	[NLR-MP-85020-U] p 435 N86-32106
p 412 N86-31431	Microgravity changes in heart structure and cyclic-AMP	Control loops with human operators in space operations.
Control of a free-flying robot manipulator system	metabolism p 203 A86-30465	Part 3: Rendezvous and docking operations and model
[NASA-CR-179717] p 443 N86-33016	Effect of flight in mission SL-3 on interferon-gamma	analysis of performance with human-in-the-loop
SPACE STORAGE	production by rats p 204 A86-30467	[NLR-TR-84116-L-PT-3] p 435 N86-32108
Space Station nitrogen supply system based on stored	Microprobe analysis of epiphyseal plates from Spacelab	Control loops with human operators in space operations.
chemicals	3 rats p 204 A86-30469	Part 4: Research requirements for human-in-the-loop
[SAE PAPER 851349] p 139 A86-23535	Hepatic enzymes of sphingolipid and glycerolipid	space teleoperator development
SPACE SUITS	biosynthesis in rats from Spacelab 3	[NLR-TR-84116-L-PT-4] p 435 N86-32109
Compatible atmospheres for a space suit, Space Station,	p 205 A86-30475	Control loops with human operators in space operations.
and Shuttle based on physiological principles	Atriopetin (AP-3) in atria and plasma of rats orbited	Part 5: Executive summary
p 44 A86-14311	aboard NASA Spacelab (SL3) for seven days	[NLR-TR-84116-L-PT-5] p 435 N86-32110
Development of a zero-prebreathe spacesuit	p 205 A86-30477	SPACECRAFT DESIGN
p 96 A86-19304	Plasma renin concentration (PRC) of rats orbited for 7	Hermes ECLSS - Review of general requirements and
The effect of water ingress on buoyancy and thermal	days aboard NASA Spacelab 3 p 205 A86-30478	application to the spaceplane definition
quality of survival suits p 97 A86-19333	Bone maturation in rats flown on the Spacelab-3	[IAF PAPER 85-304] p 45 A86-15817
Physiological considerations for EVA in the Space	mission p 205 A86-30479	Space Station design criteria for long-term human
Station era	Concepts for the life support subsystem in the EURECA	habitation
[SAE PAPER 851313] p 111 A86-23504	Botany Facility	[DGLR PAPER 85-147] p 269 A86-35185
Evolution of the Shuttle Extravehicular Mobility Unit's life support system	[DGLR PAPER 85-126] p 245 A86-34573	Environmental control and life support systems
1015 01050 101111	Planaria regeneration in zero gravity	p 406 A86-44534
Your space suit and you - Significance of manloading	p 245 A86-34984	Environmental control/life support system for Space
in pressure suit design	Stimulating effect of space flight factors on Artemia cysts	Station p 407 A86-45692
[SAE PAPER 851334] p 137 A86-23523	Comparison with irradiation by gamma rays p 373 A86-41787	Growth evolution of the Space Station ECLSS
Enhancement of space suit glove performance	Space Station - Life sciences	[AIAA PAPER 86-2313] p 407 A86-46943
[SAE PAPER 851335] p 138 A86-23524	[AIAA PAPER 86-2346] p 393 A86-46960	Impact of automation on Space Station MMI design
Advanced spacesuit glove design	USSR Space Life Sciences Digest, Issue 2	Man-Machine Interface
[AAS 84-175] p 186 A86-28801	[NASA-CR-3922(02)] p 28 N86-12949	[AIAA PAPER 86-2316] p 407 A86-46944
EVA suit glove design p 383 A86-40521	Energy exchange of plants under weightlessness	Human factors in space station architecture 1: Space
The WPI space glove design project	conditions p 30 N86-14162	station program implications for human factors research
p 383 A86-40522	Protein crystal growth results from shuttle flight 51-F	[NASA-TM-86702] p 46 N86-13900 Architect discusses space habitat designs
Advanced space suit development for future on-orbit	[NASA-CR-178540] p 82 N86-16875	p 47 N86-14161
operations	Gas and water recycling system for IOC vivarium	
FALLA DADED OG GOLGO	Gas and water recycling system for IOC vivarium experiments p 150 N86-19920	Independent study of automation and robotics for the
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under		Independent study of automation and robotics for the National Space Program by the Automation and Robotics
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel
[AIAA PAPER 86-2310] p 407 A86-46941	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel [NASA-CR-176523] p 148 N86-18990
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel [NASA-CR-176523] p 148 N86-18990 Control loops with human operators in space operations.
[AlAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel [NASA-CR-176523] p 148 N86-18990 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and
[ÅIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel [NASA-CR-176523] p 148 N86-18990 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel [NASA-CR-176523] p 148 N86-18990 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Proceedings and program draft in Gravitational Biology	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel [NASA-CR-176523] p 148 N86-18990 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques [NLR-TR-84116-L-PT-1] p 435 N86-32107 SPACECRAFT DOCKING
[ÅIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel [NASA-CR-176523] p 148 N86-18990 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques [NLR-TR-84116-L-PT-1] p 435 N86-32107
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 334 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel [NASA-CR-176523] p 148 N86-18990 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques [NLR-TR-84116-L-PT-1] p 435 N86-32107 SPACECRAFT DOCKING Control theoretic analysis of human operator mediated rendezvous and docking [NLR-MP-85020-U] p 435 N86-32106
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the like	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 p 375 N86-28606 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel  [NASA-CR-176523] p 148 N86-18990  Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques  [NLR-TR-84116-L-PT-1] p 435 N86-32107  SPACECRAFT DOCKING  Control theoretic analysis of human operator mediated rendezvous and docking  [NLR-MP-85020-U] p 435 N86-32106  Control loops with human operators in space operations.
[ÅIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the like [NASA-CASE-ARC-11543-1] p 385 N86-29507	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel [NASA-CR-176523] p 148 N86-18990 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques [NLR-TR-84116-L-PT-1] p 435 N86-32107 SPACECRAFT DOCKING Control theoretic analysis of human operator mediated rendezvous and docking [NLR-MP-85020-U] p 435 N86-32106
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the like [NASA-CASE-ARC-11534-1] p 385 N86-29507 SPACE TRANSPORTATION SYSTEM	experiments p 150 N86-19920  Vaccine Proteins R and D on Salyut-7 p 220 N86-23256  Exobiology experiment concepts for space station p 310 N86-27152  US monkey and rat experiments flown on the Soviet  Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606  Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514  The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel  [NASA-CR-176523] p 148 N86-18990  Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques  [NLR-TR-84116-L-PT-1] p 435 N86-32107  SPACECRAFT DOCKING  Control theoretic analysis of human operator mediated rendezvous and docking  [NLR-MP-85020-U] p 435 N86-32106  Control loops with human operators in space operations.
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the like [NASA-CASE-ARC-11534-1] p 385 N86-29507 SPACE TRANSPORTATION SYSTEM Environmental management of payload processing	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 A theoretical concept for state changes and shape	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel  [NASA-CR-176523] p 148 N86-18990  Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques  [NLR-TR-84116-L-PT-1] p 435 N86-32107  SPACECRAFT DOCKING  Control theoretic analysis of human operator mediated rendezvous and docking  [NLR-MP-85020-U] p 435 N86-32106  Control loops with human operators in space operations. Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop  [NLR-TR-84116-L-PT-3] p 435 N86-32108
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospherite atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the like [NASA-CASE-ARC-11534-1] p 385 N86-29507 SPACE TRANSPORTATION SYSTEM Environmental management of payload processing facilities	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel  [NASA-CR-176523] p 148 N86-18990  Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques  [NLR-TR-84116-L-PT-1] p 435 N86-32107  SPACECRAFT DOCKING  Control theoretic analysis of human operator mediated rendezvous and docking  [NLR-MP-85020-U] p 435 N86-32106  Control loops with human operators in space operations. Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop  [NLR-TR-84116-L-PT-3] p 435 N86-32108  Model analysis of remotely controlled rendezvous and
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the like [NASA-CASE-ARC-11534-1] p 385 N86-29507  SPACE TRANSPORTATION SYSTEM Environmental management of payload processing facilities [AIAA PAPER 85-6067] p 73 A86-17602	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516  SPACEBORNE PHOTOGRAPHY	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel  [NASA-CR-176523] p 148 N86-18990  Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques  [NLR-TR-84116-L-PT-1] p 435 N86-32107  SPACECRAFT DOCKING  Control theoretic analysis of human operator mediated rendezvous and docking  [NLR-MP-85020-U] p 435 N86-32106  Control loops with human operators in space operations. Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop  [NLR-TR-84116-L-PT-3] p 435 N86-32108  Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the like [NASA-CASE-ARC-11534-1] p 385 N86-29507 SPACE TRANSPORTATION SYSTEM Environmental management of payload processing facilities [AIAA PAPER 85-6067] p 73 A86-17602 SPACE TRANSPORTATION SYSTEM FLIGHTS	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 SPACEBORNE PHOTOGRAPHY Teleoperator human factors study	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel  [NASA-CR-176523] p 148 N86-18990  Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques  [NLR-TR-84116-L-PT-1] p 435 N86-32107  SPACECRAFT DOCKING  Control theoretic analysis of human operator mediated rendezvous and docking  [NLR-MP-85020-U] p 435 N86-32106  Control loops with human operators in space operations. Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop  [NLR-TR-84116-L-PT-3] p 435 N86-32108  Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003  SPACECRAFT ENVIRONMENTS
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospherite atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the like [NASA-CASE-ARC-11534-1] p 385 N86-29507 SPACE TRANSPORTATION SYSTEM Environmental management of payload processing facilities [AIAA PAPER 85-6067] p 73 A86-17602 SPACE TRANSPORTATION SYSTEM FLIGHTS Orbital flight test of the manned maneuvering unit	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 SPACEBORNE PHOTOGRAPHY Teleoperator human factors study [NASA-CR-176310] p 23 N86-11854	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel  [NASA-CR-176523] p 148 N86-18990  Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques  [NLR-TR-84116-L-PT-1] p 435 N86-32107  SPACECRAFT DOCKING  Control theoretic analysis of human operator mediated rendezvous and docking  [NLR-MP-85020-U] p 435 N86-32106  Control loops with human operators in space operations. Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop  [NLR-TR-84116-L-PT-3] p 435 N86-32108  Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003  SPACECRAFT ENVIRONMENTS  Development of countermeasures for use in space
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the like [NASA-CASE-ARC-11534-1] p 385 N86-29507 SPACE TRANSPORTATION SYSTEM Environmental management of payload processing facilities [AIAA PAPER 85-6067] p 73 A86-17602 SPACE TRANSPORTATION SYSTEM FLIGHTS Orbital flight test of the manned maneuvering unit p 98 A86-21068	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 SPACEBORNE PHOTOGRAPHY Teleoperator human factors study [NASA-CR-176310] p 23 N86-11854 SPACEBORNE TELESCOPES	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel  [NASA-CR-176523] p 148 N86-18990  Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques  [NLR-TR-84116-L-PT-1] p 435 N86-32107  SPACECRAFT DOCKING  Control theoretic analysis of human operator mediated rendezvous and docking  [NLR-MP-85020-U] p 435 N86-32106  Control loops with human operators in space operations. Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop  [NLR-TR-84116-L-PT-3] p 435 N86-32108  Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003  SPACECRAFT ENVIRONMENTS  Development of countermeasures for use in space missions — to adaptive response to space flight
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the like [NASA-CASE-ARC-11543-1] p 385 N86-29507 SPACE TRANSPORTATION SYSTEM Environmental management of payload processing facilities [AIAA PAPER 85-6067] p 73 A86-17602 SPACE TRANSPORTATION SYSTEM FLIGHTS Orbital flight test of the manned maneuvering unit p 98 A86-21068	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 SPACEBORNE PHOTOGRAPHY Teleoperator human factors study [NASA-CR-176310] p 23 N86-11854 SPACEBORNE TELESCOPES Observational exobiology p 298 N86-26850	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel  [NASA-CR-176523] p 148 N86-18990 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques  [NLR-TR-84116-L-PT-1] p 435 N86-32107  SPACECRAFT DOCKING Control theoretic analysis of human operator mediated rendezvous and docking  [NLR-MP-85020-U] p 435 N86-32106 Control loops with human operators in space operations. Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop  [NLR-TR-84116-L-PT-3] p 435 N86-32108  Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003  SPACECRAFT ENVIRONMENTS  Development of countermeasures for use in space missions to adaptive response to space flight  [IAF PAPER 85-327] p 36 A86-15832
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the like [NASA-CASE-ARC-11543-1] p 385 N86-29507 SPACE TRANSPORTATION SYSTEM Environmental management of payload processing facilities [AIAA PAPER 85-6067] p 73 A86-17602 SPACE TRANSPORTATION SYSTEM FLIGHTS Orbital flight test of the manned maneuvering unit p 98 A86-21068 SPACEBORNE ASTRONOMY Exobiological aspects in view of Titan Cassini Saturn	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 SPACEBORNE PHOTOGRAPHY Teleoperator human factors study [NASA-CR-176310] p 23 N86-11854 SPACEBORNE TELESCOPES Observational exobiology p 298 N86-26850 SPACECRAFT CABIN ATMOSPHERES	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel  [NASA-CR-176523] p 148 N86-18990 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques [NLR-TR-84116-L-PT-1] p 435 N86-32107  SPACECRAFT DOCKING Control theoretic analysis of human operator mediated rendezvous and docking [NLR-MP-85020-U] p 435 N86-32106 Control loops with human operators in space operations. Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop [NLR-TR-84116-L-PT-3] p 435 N86-32108 Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 SPACECRAFT ENVIRONMENTS  Development of countermeasures for use in space missions — to adaptive response to space flight [IAF PAPER 85-327] p 36 A86-15832 Ensuring Space Station human productivity
[AIAA PAPER 86-2310] p 407 A86-46941 Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment [NASA-TM-87149] p 46 N86-13899 Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 N86-28620 Shoulder and hip joints for hard space suits and the like [NASA-CASE-ARC-11543-1] p 385 N86-29507 SPACE TRANSPORTATION SYSTEM Environmental management of payload processing facilities [AIAA PAPER 85-6067] p 73 A86-17602 SPACE TRANSPORTATION SYSTEM FLIGHTS Orbital flight test of the manned maneuvering unit p 98 A86-21068	experiments p 150 N86-19920 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256 Exobiology experiment concepts for space station p 310 N86-27152 US monkey and rat experiments flown on the Soviet Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 SPACEBORNE PHOTOGRAPHY Teleoperator human factors study [NASA-CR-176310] p 23 N86-11854 SPACEBORNE TELESCOPES Observational exobiology p 298 N86-26850	Independent study of automation and robotics for the National Space Program by the Automation and Robotics Panel  [NASA-CR-176523] p 148 N86-18990 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques  [NLR-TR-84116-L-PT-1] p 435 N86-32107  SPACECRAFT DOCKING Control theoretic analysis of human operator mediated rendezvous and docking  [NLR-MP-85020-U] p 435 N86-32106 Control loops with human operators in space operations. Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop  [NLR-TR-84116-L-PT-3] p 435 N86-32108  Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003  SPACECRAFT ENVIRONMENTS  Development of countermeasures for use in space missions to adaptive response to space flight  [IAF PAPER 85-327] p 36 A86-15832

p 138 A86-23526

p 138 A86-23528

Electrochemical CO2 concentration for the Space

Station Program
[SAE PAPER 851341]

[SAE PAPER 851372]

Life Support Systems [SAE PAPER 851391]

SAE PAPER 851372] p 140 A86-23555 BLSS, a European approach to CELSS --- Biological

p 141 A86-23569

SPACECRAFT EQUIPMENT		SUBJECT INDEX
CELSS experiment model and design concept of gas	An overview of space physiology and related	JPL's role in the SETI program p 310 N86-26913
recycle system	experiments on Spacelab 1 p 87 A86-21097	JPL's role in the SETI program p 310 N86-26913  Amino acid spectrum of human blood in the presence
[SAE PAPER 851393] p 141 A86-23570 Concerns are being raised about living in the space	A preliminary study of flat-panel displays	of emotional stress p 287 N86-27901
environment p 163 A86-29499	p 236 N86-24546 SPACELAB PAYLOADS	SPEECH To speak or not to speak - A multiple resource
Plant growth responses to atmosphere and other	Microbiological management of Spacelab 3 rodents	perspective p 259 A86-33784
environmental variables in the Space Shuttle Plant Growth Unit p 196 A86-30415	[AIAA PAPER 85-6090] p 26 A86-14386	Design guidelines for the use of audio cues in computer
Catching zzzs in zero-G p 217 A86-31150	Ames Research Center life sciences payload - Overview of results of a spaceflight of 24 rats and 2 monkeys	interfaces [DE85-015176] p 241 N86-23281
Astronaut crew performance - Recent space experience	[AIAA PAPER 85-6092] p 50 A86-17607	SPEECH BASEBAND COMPRESSION
[SAE PAPER 851802] p 264 A86-35434	Ames Research Center Life Sciences Payload - Overview of results of a spaceflight of 24 rats and 2	Speech compression as a potential aid to automated
Designing the conditions of life and work of cosmonauts	monkeys	voice warnings in the cockpit p 185 A86-28445  SPEECH RECOGNITION
(2nd revised and enlarged edition) Russian book p 290 A86-38984	[AIAA PAPER 86-0583] p 79 A86-19963	Target designation by speech, joystick, and touch control
Environmental control and life support systems	The life sciences on board of Spacelab D1 p 106 A86-24610	<ul> <li>Format design implications p 184 A86-28439</li> <li>Dynamic retraining approaches for an airborne speech</li> </ul>
p 406 A86-44534	Rat maintenance in the Research Animal Holding Facility	recognition system p 185 A86-28444
Environmental control/life support system for Space Station p 407 A86-45692	during the flight of Space Lab 3 p 201 A86-30454	A comparison of voice and keyboard data entry for a
Development and testing of a mouse simulated space	Hematologic parameters of astrorats flown on SL-3 p 202 A86-30458	helicopter navigation system p 237 A86-29859 Speech variability effects on recognition accuracy
flight model [NASA-CR-176359] p 29 N86-13878	Microgravity associated changes in pituitary growth	associated with concurrent task performance by pilots
Endocrine and fluid metabolism in males and females	hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459	p 237 A86-29860 The effect of using speech generation and recognition
of different ages after bedrest, acceleration and lower body	First German Spacelab missions, no. 6	systems on the performance of discrete tasks
negative pressure [NASA-TM-58270] p 39 N86-13886	[PR-6] p 118 N86-18979	p 227 A86-29863
Human factors in space station architecture 1: Space	SPATIAL DEPENDENCIES  The effects of the contrast, spatial frequency, and	Cockpit speech interference considerations p 229 A86-29895
station program implications for human factors research	temporal frequency of a surrounding field upon the	Effects of speech rate and pitch contour on the
[NASA-TM-86702] p 46 N86-13900 Biological life-support systems for long-duration space	detection thresholds of gratings p 132 A86-26293	perception of synthetic speech p 234 A86-31824
flights p 47 N86-14160	SPATIAL DISTRIBUTION Spatial-frequency model for hyperacuity	There's a voice in the sky - But can a picture tell you more? comparison between synthesized speech and
Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890	p 19 A86-11147	visual displays in presenting information in cockpits
environment p 66 N86-15890 SPACECRAFT EQUIPMENT	Characterization of YAG lasers for ophthalmologic applications	p 266 A86-33781
Kinematics and reaction moment compensation for a	[SNIAS-852-430-107] p 93 N86-16894	Pilot speech performance while talking to a speech recognizer and flying a competitive helicopter pursuit
spaceborne elbow manipulator [AIAA PAPER 86-0250] p 182 A86-26616	Eye movements and spatial pattern vision	task
SPACECRAFT MANEUVERS	[AD-A160408] p 115 N86-18963 Spatial distribution of heat and cold stress in the Federal	[SAE PAPER 851779] p 264 A86-35441 Voice analyzer for evaluating pilot's condition
Sudden emesis following parabolic flight maneuvers	Republic of Germany p 170 N86-21065	p 64 N86-14886
Implications for space motion sickness p 250 A86-33759	Components of spatial ability	Speech analysis based on a model of the auditory
SPACECRAFT POWER SUPPLIES	[AD-A165694] p 382 N86-28616 SPATIAL FILTERING	system [AD-A167426] p 427 N86-32098
Light-Weight Radioisotope Heater Unit Safety Analysis	The effect of high spatial frequencies on visual	SPERMATOGENESIS
Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. 8. Reference Design Document	recognition processes p 41 A86-15524  SPATIAL RESOLUTION	Reduction of the spermatogonial population in rat testes
(RDD)	Eye movements and spatial pattern vision	flown on Space Lab-3 p 203 A86-30466 Tritium ingestion in rats p 58 N86-15895
[DE86-001457] p 172 N86-21113 SPACECREWS	[AD-A160408] p 115 N86-18963	Investigations of the reproductive physiology of the
Hermes ECLSS - Review of general requirements and	Interaction of image characteristics of stereoscopic forms during depth perception	rainbow trout (Salmo gairdneri Richardson) p 388 N86-29521
application to the spaceplane definition	[AD-A164895] p 291 N86-26831	SPERMATOZOA
[IAF PAPER 85-304] p 45 A86-15817 Human roles in future space systems	Information processing in mammalian visual cortex	Detection of chromosomal abnormalities in human
[AAS PAPER 84-117] p 73 A86-17320	[AD-A165832] p 376 N86-28609 Virtual space and 2-dimensional effects in perspective	sperm [DE85-014178] p 7 N86-11834
Space Station crew safety - Human factors model	displays p 441 N86-33005	SPHYGMOGRAPHY
p 143 A86-23742 Psychological and interpersonal adaptation to Mars	SPECIFICATIONS  Defining reclaimed water potability requirements	Human hemodynamic change under high atmospheric pressure p 37 N86-12458
missions	p 410 N86-31422	pressure p 37 N86-12458 SPICULES
[AAS 84-186] p 179 A86-28812 A review of the psychological aspects of space flight	Effect of oxygen flow on passenger face mask	Fertilization, development and spicule formation in sea
p 179 A86-29090	performance [AD-A168832] p 443 N86-33021	urchins under conditions of constant reorientation relative to the gravitation axis p 195 A86-30406
Immunological analyses of U.S. Space Shuttle crewmembers p 162 A86-29091	SPECTRAL EMISSION	SPINAL CORD
crewmembers p 162 A86-29091 Space Station human productivity study	Observational exobiology p 298 N86-26850 SPECTRAL METHODS	Spinal cord decompression sickness - A comparison of
p 269 A86-34980	Correlation of constant flow rate with frequency	recompression therapies in an animal model p 372 A86-41784
Space Station crew interface specifications and standards	spectrum of respiratory sounds when measured at the	SPINE
[SAE PAPER 851801] p 270 A86-35433	trachea p 217 A86-31223 SPECTRAL SENSITIVITY	Development of a mechanical analog of a human spine and viscera p 418 A86-47753
Astronaut crew performance - Recent space	The effect of spectrally selective filters on visual search	and viscera p 418 A86-47753 Combined effects of stressors on the level of spinal
experience [SAE PAPER 851802] p 264 A86-35434	performance	reflex arc structures p 62 N86-14871
Space Station crew workload - Station operations and	[AD-A165835] p 404 N86-30329 SPECTROMETERS	SPLEEN  Molecular and biological properties of an
customer accommodations	Ion Mobility Drift Spectrometer (IMDS) as a flight	immunopotentiating complex polysaccharide adjuvant
[SAE PAPER 851803] p 270 A86-35435 Operational medical planning for Space Station	analytical instrument technique p 300 N86-26861	produced by a gliding bacterium
[AIAA PAPER 86-2337] p 421 A86-49560	Stanford Hardware Development Program p 309 N86-26910	[AD-A162664] p 160 N86-22086 SPONGES (MATERIALS)
A study to define a set of requirements for cleansing agents for use in the Space Station whole body shower	SPECTROPHOTOMETRY	The origin of the spicule skeleton of fresh water sponges
[NASA-CR-171910] p 99 N86-16903	Direct spectrophotometric method of assaying ammonia concentration in gas environment of seeding chambers	(Spongillides) p 388 N86-29519 SPORES
Specifications Physiological Monitoring System	p 280 N86-27900	Panspermia - A modern astrophysical and biological
[NASA-CR-171926] p 406 N86-30339 Cytogenetic analyses of peripheral lymphocytes	SPECTRORADIOMETERS	approach p 296 A86-38142
subjected to simulated solar flare radiation	Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior	Identification of vaccine resistant isolates of bacillus anthracis
p 412 N86-31431	lighting p 294 N86-26807	[AD-A162002] p 212 N86-24187
Air Force technical objective document, Aerospace Medical Division, FY 1987	SPECTROSCOPY	SPRAYED COATINGS
[AD-A167422] p 423 N86-32090	Indirect observation by C-13 NMR spectroscopy of a novel CO2 fixation pathway in methanogens	Refurbishing spray on aluminum enamel on proximity clothing
SPACELAB Spacelab experiments on space motion sickness	p 103 A86-23225	[AD-A159707] p 153 N86-19944
[IAF PAPER 85-312] p 35 A86-15823	Fiberoptics immunofluorescence spectroscopy for	STABILIZATION  A note on self-replicating information yielding the
Spacelab life sciences flight experiments - An integrated	chemical and biological monitoring [DE86-002239] p 225 N86-24209	chemical origin of life p 48 A86-14774
approach to the study of cardiovascular deconditioning and orthostatic hypotension	SPECTRUM ANALYSIS	STAINLESS STEELS
[IAF PAPER 85-316] p 36 A86-15826	The organic aerosols of Titan p 298 N86-26852 lon Mobility Drift Spectrometer (IMDS) as a flight	A system of rat restraint using a cone-shaped, plexiglass and stainless steel rod cage
Pulmonary function in microgravity - Spacelab 4 and	analytical instrument technique p 300 N86-26861	[AD-A158428] p 83 N86-16876
beyond [IAF PAPER 85-322] p 36 A86-15828	Goldstone field test activities: Target search	Research animal stanchion and transporter
P OO NOU 13020	p 309 N86-26911	[AD-A163907] p 248 N86-25110

STANDARDIZATION	
Standardization of tasks: Approac	ch planning human
performance assessment [IZF-1984-19]	- 00 NOC 40700
Standardization of conditions for n	p 20 N86-10782
specific fluorescence in continuous	
with variants of Japanese encephali	
Management	p 211 N86-23255
Measurement techniques technique/exposure guides	for use with
[PB86-123718]	p 222 N86-23272
	re from diagnostic
radiology examinations: General red	
[PB86-125903]	p 222 N86-23273
Evaluation of radiation exposu- radiology examinations: Technique.	
the craniocaudal projection in mamn	
[PB86-126075]	p 222 N86-23274
STANDARDS Space Station crew interface	anasifications and
Space Station crew interface standards	specifications and
[SAE PAPER 851801]	p 270 A86-35433
The new ANSI RF radiation exp	
background and impact	p 371 A86-40519
Human engineering guidelines for assessment of video display units	r the evaluation and
[TI85-016435]	p 187 N86-21149
Canadian forces approach to	o aircrew medical
selection	p 399 N86-30311
Cardiovascular standards for select high performance pilots in the USAF	tion and retention of
next decade	p 399 N86-30313
Entry visual standards and	ocular examination
techniques for future fighter aircrew	p 400 N86-30317
STAPHYLOCOCCUS	
Physico-chemical studies of radii [DE85-014681]	p 83 N86-16878
STATISTICAL ANALYSIS	p 00 1100-10070
A cold thyroid nodule - Statistical of	data and aeronautical
aptitude	p 112 A86-24507
Diagnosing cognitive errors: classification and recognition approa	Statistical pattern
[AD-A158108]	p 42 N86-12972
Statistical research on problems of	of biodynamics
[AD-A157993]	of biodynamics p 67 N86-15899
[AD-A157993] Problem of biological clocks: Ne	of biodynamics p 67 N86-15899 aw data on circadian
[AD-A157993]	of biodynamics p 67 N86-15899 aw data on circadian m
[AD-A157993] Problem of biological clocks: Ne	of biodynamics p 67 N86-15899 ow data on circadian m p 120 N86-19848
[AD-A157993] Problem of biological clocks: Ne changes in status of human organism Meteorotropic determinants of accidents	of biodynamics p 67 N86-15899 www.data on circadian m p 120 N86-19848 road collisions and p 165 N86-21022
[AD-A157993] Problem of biological clocks: Ne changes in status of human organisi Meteorotropic determinants of accidents Objective investigations and subje	of biodynamics p 67 N86-15899 bw data on circadian m p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of
[AD-A157993] Problem of biological clocks: Ne changes in status of human organisi Meteorotropic determinants of accidents Objective investigations and subje sensitivity to weather	of biodynamics p 67 N86-15899 w data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 citive observations of p 165 N86-21023
[AD-A157993] Problem of biological clocks: Ne changes in status of human organism Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains	of biodynamics p 67 N86-15899 w data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 citive observations of p 165 N86-21023
[AD-A157993] Problem of biological clocks: Ne changes in status of human organism Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758]	of biodynamics p 67 N86-15899 by data on circadian m p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Di	of biodynamics p 67 N86-15899 w data on circadian m p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 og interacting Markov p 178 N86-22105 ata on diversification
[AD-A157993] Problem of biological clocks: Ne changes in status of human organisi Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Diand extinction	of biodynamics p 67 N86-15899 by data on circadian m p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of	of biodynamics p 67 N86-15899 w data on circadian m p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902
[AD-A157993] Problem of biological clocks: Ne changes in status of human organisi Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Diand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph	of biodynamics p 67 N86-15899 we data on circadian m p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902
[AD-A157993] Problem of biological clocks: Ne changes in status of human organisi Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A166998]	of biodynamics p 67 N86-15899 w data on circadian m p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A166998] STATISTICS	of biodynamics p 67 N86-15899 by data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and ase p 394 N86-31209
[AD-A157993] Problem of biological clocks: Ne changes in status of human organisi Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A166998] STATISTICS The use of accident statistics to design	of biodynamics p 67 N86-15899 we data on circadian m p 120 N86-19848 road collisions and p 165 N86-21022 citive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and lase p 394 N86-31209 influence simulator
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A166998] STATISTICS The use of accident statistics to design STEADY STATE	of biodynamics p 67 N86-15899 w data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and asse p 394 N86-31209 influence simulator p 144 A86-23744
[AD-A157993] Problem of biological clocks: Ne changes in status of human organisi Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Diand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A166998] STATISTICS The use of accident statistics to design STEADY STATE Descriptive Linear modeling of	of biodynamics p 67 N86-15899 by data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and asse p 394 N88-31209 influence simulator p 144 A86-23744 f steady-state visual
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A166998] STATISTICS The use of accident statistics to design STEADY STATE	of biodynamics p 67 N86-15899 w data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and asse p 394 N86-31209 influence simulator p 144 A86-23744
[AD-A157993] Problem of biological clocks: Ne changes in status of human organisi Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Diand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A166998] STATISTICS The use of accident statistics to design STEADY STATE Descriptive Linear modeling of evoked response STEAM Water recycling system using the	of biodynamics p 67 N86-15899 we data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 interacting markov p 178 N86-2105 ata on diversification p 308 N86-26902 influence simulator p 144 A86-23744 f steady-state visual p 436 N86-32977
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A166998] STATISTICS The use of accident statistics to design STEADY STATE Descriptive Linear modeling of evoked response STEAM Water recycling system using the method	of biodynamics p 67 N86-15899 we data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 interacting markov p 178 N86-2105 ata on diversification p 308 N86-26902 influence simulator p 144 A86-23744 f steady-state visual p 436 N86-32977
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A166998] STATISTICS The use of accident statistics to design STEADY STATE Descriptive Linear modeling of evoked response STEAM Water recycling system using the method STEERING	of biodynamics p 67 N86-15899 by data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 by interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and asse p 394 N86-31209 influence simulator p 144 A86-3744 f steady-state visual p 436 N86-32977 ermopervaporation p 150 N86-19921
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph (AD-A166998) STATISTICS The use of accident statistics to design STEADY STATE Descriptive Linear modeling of evoked response STEAM Water recycling system using the method STEERING Path error-neglection in straight la	of biodynamics p 67 N86-15899 w data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and asse p 394 N86-31209 influence simulator p 144 A86-23744 f steady-state visual p 436 N86-32977 ermopervaporation p 150 N86-19921 ne driving
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A166998] STATISTICS The use of accident statistics to design STEADY STATE Descriptive Linear modeling or evoked response STEAM Water recycling system using the method STEERING Path error-neglection in straight la [IZF-1984-32] Driving performance the day after	of biodynamics p 67 N86-15899 w data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and asse p 394 N86-31209 influence simulator p 144 A86-23744 f steady-state visual p 436 N86-32977 ermopervaporation p 150 N86-19921 ne driving p 20 N86-10783
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph (AD-A166998) STATISTICS The use of accident statistics to design STEADY STATE Descriptive Linear modeling of evoked response STEAM Water recycling system using the method STEERING Path error-neglection in straight la [IZF-1984-32] Driving performance the day after flunitrazepem and placebo	of biodynamics p 67 N86-15899 w data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and asse p 394 N86-31209 influence simulator p 144 A86-23744 f steady-state visual p 436 N86-32977 ermopervaporation p 150 N86-19921 ne driving p 20 N86-10783 r use of loprazolam,
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A166998] STATISTICS The use of accident statistics to design STEADY STATE Descriptive Linear modeling of evoked response STEAM Water recycling system using the method STEERING Path error-neglection in straight la [IZF-1984-32] Driving performance the day after flunitrazepem and placebo [VK-83-04]	of biodynamics p 67 N86-15899 w data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 g interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and asse p 394 N86-31209 influence simulator p 144 A86-23744 f steady-state visual p 436 N86-32977 ermopervaporation p 150 N86-19921 ne driving p 20 N86-10783 r use of loprazolar, p 290 N86-2886
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas phease phease in the gas phease phease in the gas phease	of biodynamics p 67 N86-15899 w data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 or interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and asse p 394 N86-31209 influence simulator p 144 A86-32744 f steady-state visual p 436 N86-32977 ermopervaporation p 150 N86-19921 ne driving p 20 N86-19921 ne driving p 20 N86-10783 r use of loprazolam, p 290 N86-26826
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A166998] STATISTICS The use of accident statistics to design STEADY STATE Descriptive Linear modeling of evoked response STEAM Water recycling system using the method STEERING Path error-neglection in straight la [IZF-1984-32] Driving performance the day after flunitrazepem and placebo [VK-83-04]	of biodynamics p 67 N86-15899 w data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 or interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and asse p 394 N86-31209 influence simulator p 144 A86-32744 f steady-state visual p 436 N86-32977 ermopervaporation p 150 N86-19921 ne driving p 20 N86-19921 ne driving p 20 N86-10783 r use of loprazolam, p 290 N86-26826
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Drand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas phease kinet	of biodynamics p 67 N86-15899 w data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 or interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and asse p 394 N86-31209 influence simulator p 144 A86-32744 f steady-state visual p 436 N86-32977 ermopervaporation p 150 N86-19921 ne driving p 20 N86-19921 ne driving p 20 N86-10783 r use of loprazolam, p 290 N86-26826 ssants oxaprotiline, i upon actual driving p 290 N86-26826 ssants oxaprotiline, i upon actual driving p 290 N86-26826 ssants oxaprotiline, i upon actual driving p 290 N86-26826
[AD-A157993] Problem of biological clocks: Ne changes in status of human organist Meteorotropic determinants of accidents Objective investigations and subjesensitivity to weather Modeling electrocardiograms usin chains [AD-A162758] The fossil record of evolution: Diand extinction STATISTICAL DISTRIBUTIONS Laser kinetic spectroscopy of bimolecular processes in the gas ph [AD-A168998] STATISTICS The use of accident statistics to design STEADY STATE Descriptive Linear modeling of evoked response STEAM Water recycling system using the method STEERING Path error-neglection in straight la [IZF-1984-32] Driving performance the day after flunitrazepem and placebo [VK-83-04] The effects of the antidepremianserin, amitryptiline and doxepin performance	of biodynamics p 67 N86-15899 w data on circadian p 120 N86-19848 road collisions and p 165 N86-21022 ctive observations of p 165 N86-21023 or interacting Markov p 178 N86-22105 ata on diversification p 308 N86-26902 unimolecular and asse p 394 N86-31209 influence simulator p 144 A86-32744 f steady-state visual p 436 N86-32977 ermopervaporation p 150 N86-19921 ne driving p 20 N86-19921 ne driving p 20 N86-10783 r use of loprazolam, p 290 N86-26826 ssants oxaprotiline, i upon actual driving p 290 N86-26826 ssants oxaprotiline, i upon actual driving p 290 N86-26826 ssants oxaprotiline, i upon actual driving p 290 N86-26826

STELLAR EVOLUTION

STEP FUNCTIONS

STEREOSCOPIC VISION

a new cyclopean illusion

parameter

STEMS

Survival of the Jovian planets with the sun a Red

Evidences for changes in sensitivity to auxin and in cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409

Maximum normalized acceleration as a flying qualities

Mechanisms of human motion perception revealed by

p 101 A86-21644

p 442 N86-33012

p 235 A86-33103

```
The importance of stereoscopic imagery in flight mulation p 383 A86-40483
  simulation
    Binocular image flows: Steps toward stereo - motion
  [AD-A1580891
                                        p 67 N86-15901
  Perspective projection invariants [AD-A167783]
                                      p 428 N86-32968
STEREOSCOPY
    Interaction of image characteristics of stereoscopic
  forms during depth perception
  [AD-A164895]
                                      p 291 N86-26831
STERILIZATION
    Evaluation of water sterilizing tablets
  [AD-A165806]
                                      p 385 N86-28622
    Bacterial inactivation by means of
                                        ionizing radiation
  [DE86-901038]
                                      p 412 N86-30348
    Serum levels of eleven steroid hormones following
  motion sickness
                                         p 8 A86-10259
                                                                 rats
    Testosterone and muscle hypertrophy in female rats
                                        p 2 A86-12026
    Anabolic steroids as a countermeasure against bone
  demineralization during space flight p 114 A86-25662
STIFFNESS
    The effects of ketamine on Rhesus monkey skeletal
  FÁD-A1628481
                                      p 213 N86-24189
STIMULI
    Neurophysiological bases of event-related potentials
  [AD-A158997]
                                       p 71 N86-14890
STOCHASTIC PROCESSES
    Experimental estimate of the parameters of a stochastic
  model of a human operator sensor system
                                      p 407 A86-45117
    Stochastic differential equations for neuronal behavior
                                       p 69 N86-15908
  [AD-A1590991
    Spatial distribution of heat and cold stress in the Federal
  Republic of Germany
                                      p 170 N86-21065
    Stochastic
                models
                           of man-machine
  effectiveness
                                      p 242 N86-24216
STRAPS
    Comparison of human impact response in restraint
  systems with and without a negative G strap
                                      p 249 A86-33754
    Restraint system for waking Macaca mulatta monkeys 
uring postural tests p 280 N86-27898
  during postural tests
STRATEGY
    A workload analysis for strategic conventional standoff
capability missions
STRATOSPHERE
                                      p 268 A86-33803
    The role of the oceans in the atmospheric cycle of
  carbonyl sulfide
                                      p 277 N86-26796
STREPTOCOCCUS
    Obtaining hybridomas that synthesize monoclonal
  antibodies to polysaccharide of group a streptococcus
                                     p 219 N86-23240
    Study of cell-wall antigen determinants in ribosomal
  preparations of group a streptococcus
                                      p 220 N86-23243
STRESS (PHYSIOLOGY)
    Prediction of human physical work capacity in gh-temperature environments p 34 A86-15522
  high-temperature environments
    Thermoregulatory and blood responses during exercise
    graded hypohydration levels p 36 A86-16052
The effect of auricular electric stimulation on
  at graded hypohydration levels
  myelopeptide production and early reactions of blood
  systems cell populations in the presence of immobilization
                                       p 49 A86-16752
    Modern concepts regarding some nontraditional
  neuroendocrine mechanisms of stress
                                       p 49 A86-16800
    Self-control of psychophysiologic response to motion
    ress Using biofeedback to treat sickness
 [AD-A163428]
                                       p 70 A86-18833
    The effect of skill on performance under an
                                       p 94 A86-20408
  environmental stressor
    Investigation of the functional condition of pilots in the
  case of oxygen breathing under excess pressure
                                       p 88 A86-22525
    Individual and typological functional properties of the
  sympathoadrenal system as a prognostic index of the
  functional state of an organism in complex environmental
                                       p 88 A86-22532
  conditions
    Changes in the heart rate and in the cerebral vascular
  tonus affected by alternating physical and mental loads
                                       p 89 A86-22535
    Cytochemical studies of blood lymphocytes in the
  diagnosis and forecasting of changes in the functional
  status of athletes
                                       p 89 A86-22540
    Thermoregulation in man under thermal stress
                                       p 89 A86-22541
    Methods of regulating the adaptation and resistance
 processes in navy personnel
                                     p 110 A86-23495
```

Changes in catecholamine excretion during physical and

p 161 A86-28099

mental workload

```
Effects of physiological and mental stress on crew
members in relatively long flight by C-1 jet transport
                                    p 161 A86-28100
  Physiological changes in hemostasis associated with
                                    p 215 A86-30680
acute exercise
  The methodology and techniques used in analyses of
operator activity --- Russian book
                                   p 234 A86-32523
  Zonal differentiation of performance under heat stress
  of humans
                                   p 251 A86-33801
  Manganese metabolism in healthy humans during
different times of the year
                                   p 255 A86-36533
Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators
 working in sealed chambers
                                   p 271 A86-36536
  The stress syndrome --- effects on pilot performance
                                    p 290 A86-37276
  Hemodynamic correlates of immobilization stress in
                                    p 373 A86-43423
  Changes in pericardial microcirculation in dogs during
adaptation to static muscle loads
                                   p 392 A86-45321
  Changes in immunity under stress
                                    p 420 A86-49267
  The use of a constitutional approach in the evaluation
of health status
                                   p 420 A86-49270
  Classification of changes in electrocardiogram during
muscular exertion of healthy individuals
                                    p 14 N86-10755
  Mechanism of adaptogenic action of prickly
eleuterococcus on man during heat stress
                                    p 14 N86-10757
  Report on the research activities on whole-body
 vibrations. Human strain due to mechanical vibrations
[ISBN-3-88383-107-7]
                                    p 15 N86-10773
  An atropinized heat-stressed rat model: Anticholinergic
and anticholinesterase drug potency
[AD-A1576201
                                      p 6 N86-11832
  Changes in physical condition, vestibular function and
bone system of rats submitted to long-term rotation
                                    p 54 N86-14857
  Intensity of lipid peroxidation in hypokinetic rat tissues
                                    p 56 N86-15876
  Simultaneous determination of fluid shifts during thermal
stress in a small animal model
(AD-A159363)
                                     p 83 N86-16877
  Dynamics of peroxide oxidation of lipids during stress
                                    p 83 N86-16883
  Mitochondrial manifestations of stress and response to
hormonal stimulation and hydroaeroions
                                    p 84 N86-16885
  Prediction modeling of physiological responses and
human performance in the heat
[AD-A160513]
                                    p 115 N86-18965
  Glucocorticoid antagonism by endotoxin: Biological
effects during stress and basis for inhibition of
phosphoenolpyruvate carboxykinase [AD-A160740]
                                   p 116 N86-18969
  Physical fitness as a moderator of cognitive work
capacity and fatigue onset under sustained combat-like
operations
[AD-A160417]
                                    p 134 N86-18982
  Diver response to hot water loss at depths greater than
300 meters: Experimental observations and theoretical
interpretation
                                   p 121 N86-19855
  Psychological and physiological stress reactions among
sports diver-students
                                   p 124 N86-19875
  On the importance of cooling in climatic therapy
                                   p 165 N86-21020
  Stimulus specificity and individual stereotypy of
autonomic responses to motion stressors
[NASA-CR-176543]
                                   p 171 N86-21107
  The effect of acceleration stress on human workload
[AD-A156770]
                                    p 180 N86-21140
  Heat acclimatization developed during summer running
in northeastern United States
[AD-A162728]
                                    p 177 N86-22102
  Health and performance of antarctic winter-over
personnel: A follow-up study [AD-A161773]
                                    p 182 N86-22109
  Environmental stress after atropine treatment
[AD-A161923]
                                   p 223 N86-24197
  Effectiveness of an air-cooled vest using selected air
temperature and humidity combinations
[AD-A162026]
                                   p 242 N86-24219
  A review of the pilot backache problem in the CH113
Labrador helicopter
[AD-A164011]
                                    p 256 N86-25113
  A lightweight impermeable suit for chemical protection
in warm conditions: A preliminary look at the concept
[AD-A164687]
                                   p 295 N86-26839
  Effect of intensive operator work on lipid peroxidation
processes in man
                                   p 286 N86-27882
  Influence of erythrocythemia on blood volume and
thermoregulation during exercise-heat stress
[AD-A165014]
                                   p 289 N86-27916
```

Human vascular fluid responses to cold stress are not

p 76 N86-15916

p 160 N86-22090

the Multiple Multiple Rocket System (MLRS) operational test 3

Particulate models of photosynthesis

[AD-A158316]

[DE86-001625]

SURFACTANTS

Effect of dry immersion model on parameters of

altered by cold acclimation [AD-A165869] p 398 N86-30305	Development of the Emotional Reaction Questionnaire (ESRQ)	fluid-electrolyte metabolism, blood plasma aldosterone
An environmentally-controlled extended-use small	(ESHQ) [FOA-C-50034-H3] p 383 N86-29506	and cortisol levels in individuals differing in body fluid content p 65 N86-15875
animal hypobaric chamber [AD-A166729] p 398 N86-30307	Effects of 60 Hz electric fields on operant and social	Lung volumes and dynamic compliance during
Effects of 60 Hz electric fields on operant and social	stress behaviors of nonhuman primates [DE86-005807] p 411 N86-30347	immersion and oxygen breathing p 122 N86-19860 Forced expiration parameters in healthy man submitted
stress behaviors of nonhuman primates	Use of artificial intelligence and psychology in the	to simulated weightlessness p 173 N86-21121
[DE86-005807] p 411 N86-30347 Metabolic changes following eccentric exercise in	analysis of command and control military	SUBSTITUTES
trained and untrained men	commanders [STC-TM-749] p 427 N86-32095	Review of modified hemoglobin solutions for use as temporary blood substitutes
[AD-A166521] p 402 N86-31211	[STC-TM-749] p 427 N86-32095 The psychology of decision making military	[AD-A164210] p 256 N86-25114
Complex monitoring performance and the coronary-prone type A behavior pattern	commanders p 427 N86-32096	SUGAR BEETS
[AD-A168240] p 428 N86-32971	A simulation study of the effects of sleep deprivation,	The effect of ultradian and orbital cycles on plant growth p 153 N86-19940
The effects of stress on attentional resources	time of watch and length of time on watch on watchstanding effectiveness	SUITS
p 437 N86-32986 STRESS (PSYCHOLOGY)	[AD-A167729] p 424 N86-32956	Ship/rig personnel abandonment and helicopter
Catecholamine content of single brain nuclei in August	Complex monitoring performance and the	crew/passenger immersion suits - The requirements in the North Atlantic p 187 A86-29100
rats following immobilization stress p 3 A86-12521	coronary-prone type A behavior pattern [AD-A168240] p 428 N86-32971	A lightweight impermeable suit for chemical protection
Psychological states of student pilots in flight training p 41 A86-13943	[AD-A168240] p 428 N86-32971 The effects of stress on attentional resources	in warm conditions: A preliminary look at the concept
Leukocytic reactions caused by emotional stress	p 437 N86-32986	[AD-A164687] p 295 N86-26839 Restraint system for waking Macaca mulatta monkeys
p 34 A86-15519	STRESS ANALYSIS	during postural tests p 280 N86-27898
The visual stress model - A psycho-physiological method for the evaluation of operational reliability of pilots and	Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869	Suit penetration study: Preliminary analysis of flow about
cosmonauts	Use of flight simulators for demonstration of functional	a circular cylinder [DE86-005760] p 385 N86-28623
[IAF PAPER 85-326] p 41 A86-15831	capacities of flight personnel p 72 N86-15870	SULFATES
Effect of immobilization stress on body weight in rats p 81 A86-22324	STRESS CONCENTRATION	Effects of atropine sulfate on aircrew performance
Individual and typological functional properties of the	A possible energetic role of mineral surfaces in chemical evolution p 48 A86-14114	[AD-A165063] p 290 N86-27919 SULFIDES
sympathoadrenal system as a prognostic index of the	STRESSES	The role of the oceans in the atmospheric cycle of
functional state of an organism in complex environmental conditions p 88 A86-22532	Physical fitness as a moderator of cognitive work	carbonyl sulfide p 277 N86-26796 SULFUR DIOXIDES
Changes in the heart rate and in the cerebral vascular	capacity and fatigue onset under sustained combat-like operations	Immission and weather effects on children's airway
tonus affected by alternating physical and mental loads	[AD-A160417] p 134 N86-18982	troubles in Berlin (1979-1982). Time series investigations:
p 89 A86-22535	Design and production of damage-resistant tray pack	Croup syndrome and asthmatic airway troubles
Antistress effect of 1-chlormethylsilitrane p 105 A86-24309	containers [AD-A164595] p 294 N86-26837	p 168 N86-21044 Emmission and weather effects on children's airway
Changes in catecholamine excretion during physical and	STRETCHING	troubles in Berlin (1979-1982). Comparison of two different
mental workload p 161 A86-28099	Effect of inactivity and passive stretch on protein turnover in phasic and postural rat muscles	immissions: Loaded residential areas in West Berlin polluted areas p 168 N86-21045
Effects of physiological and mental stress on crew	p 413 A86-47871	SUMMER p 168 1486-21045
members in relatively long flight by C-1 jet transport aircraft p 161 A86-28100	STROBOSCOPES	Heat acclimatization developed during summer running
Hysterical deafness - An unusual presentation of stress	Window of visibility - A psychophysical theory of fidelity in time-sampled visual motion displays	in northeastern United States [AD-A162728] p 177 N86-22102
in an air traffic control officer p 180 A86-29098	p 240 A86-32451	[AD-A162728] p 177 N86-22102 SUN
Student pilot stress - An emotional barrier to efficient flight training p 231 A86-29912	Sensitivity to visual motion in statistically defined	Survival of the Jovian planets with the sun a Red
The effect of intense mental work under stress on cardiac	displays [AD-A167291] p 405 N86-31217	Giant p 101 A86-21644 SUNGLASSES
activity, hemodynamics, and brain circulation	STRONGLY COUPLED PLASMAS	Effects of broad-banded eye protection on dark
p 216 A86-30895	Fluid-Electrolyte-Mineral interrelations as affecting work	adaptation p 284 N86-26817
Review on secondary task technique for workload assessment Some consideration of secondary task	performance [AD-A165325] p 282 N86-26799	SUNLIGHT  Human bioclimatic classification methods illustrated with
paradigms and an assessment model	STRUCTURAL ANALYSIS	examples of selected countries p 169 N86-21058
p 403 A86-43539  The contractile function and the energy metabolism of	Head-spine structure modeling: Enhancements to	Catcium and vitamin D metabolism in submariners:
the myocardium under emotional stress and during	secondary loading path model and validation of head-cervical spine model	Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306
adaptation of animals to short stress effects	[AD-A161425] p 172 N86-21112	SUPERCRITICAL FLUIDS
p 392 A86-45322	STRUCTURAL DESIGN CRITERIA	Implementing supercritical water oxidation technology in a lunar base environmental control/life support
Changes in immunity under stress p 420 A86-49267	Reverse osmosis water purification system p 384 N86-28291	system p 240 A86-30167
Effects of hypodynamia and neuroemotional stress on	STRUCTURAL VIBRATION	SUPERPOSITION (MATHEMATICS)
the performance of circulatory and respiratory systems	Helicopter crew evaluations on the effects of vibration on performance p 260 A86-33800	Modified superposition: A simple time series approach to closed-loop manual controller identification
during muscular work p 422 A86-49919 Effect of emotional stress on hemostasis system of	on performance p 260 A86-33800 STUDENTS	p 442 N86-33009
healthy persons p 19 N86-10745	Energy expenditure and activity patterns of cadets at	SUPERSATURATION
Eye-movement activity as index of functional state of	the United States Military Academy, West Point, New York	The role of the oceans in the atmospheric cycle of
brain p 14 N86-10756	[AD-A157857] p 38 N86-12960	carbonyl sulfide p 277 N86-26796 SUPPORTS
USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985	An investigation into peer and supervisor differences	Drop foot corrective device
[JPRS-USB-85-006] p 56 N86-15865		[NASA-CASE-LAR-12259-2] p 188 N86-22112
	in the observation of performance-related behaviors [AD-A160819] 0.135 N86-19898	
An investigation into effects of environmental changes	[AD-A160819] performance-related behaviors [AD-A160819] p 135 N86-19898 Inexpert calibration of comprehension	A review of the pilot backache problem in the CH113
on locus of control	[AD-A160819] p 135 N86-19898 Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617	
on locus of control [AD-A160861] p 135 N86-18987	[AD-A160819] p 135 N86-19898 Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617 SUBMARINES	A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113 SURFACE GEOMETRY
on locus of control [AD-A160861] p 135 N86-18987 Psychological and physiological stress reactions among sports diver-students p 124 N86-19875	[AD-A160819] p 135 N86-19898 Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617 SUBMARINES Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine	A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113 SURFACE GEOMETRY Effects of body mass and morphology on thermal
on locus of control [AD-A160861] p 135 N86-18987 Psychological and physiological stress reactions among sports diver-students p 124 N86-19875 Evaluation of a multi-method group treatment approach	[AD-A160819] p 135 N86-19898 Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617 SUBMARINES Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317	A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113  SURFACE GEOMETRY Effects of body mass and morphology on thermal responses in water p 162 A86-28123
on locus of control [AD-A160861] p 135 N86-18987 Psychological and physiological stress reactions among sports diver-students p 124 N86-19875 Evaluation of a multi-method group treatment approach for the management of stress	[AD-A160819] p 135 N86-19898 Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617  SUBMARINES  Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317  Lung rupture as a complication in free escape from	A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113 SURFACE GEOMETRY Effects of body mass and morphology on thermal responses in water p 162 A86-28123 SURFACE REACTIONS A possible energetic role of mineral surfaces in chemical
on locus of control [AD-A160861] p 135 N86-18987 Psychological and physiological stress reactions among sports diver-students p 124 N86-19875 Evaluation of a multi-method group treatment approach for the management of stress [AD-A160813] p 135 N86-19897	[AD-A160819] p 135 N86-19898 Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617  SUBMARINES  Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317  Lung rupture as a complication in free escape from submarines p 122 N86-19862  Body weight changes before and after submarine	A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113  SURFACE GEOMETRY  Effects of body mass and morphology on thermal responses in water p 162 A86-28123  SURFACE REACTIONS  A possible energetic role of mineral surfaces in chemical evolution p 48 A86-14114
on locus of control [AD-A160861] p 135 N86-18987 Psychological and physiological stress reactions among sports diver-students p 124 N86-19875 Evaluation of a multi-method group treatment approach for the management of stress [AD-A160813] p 135 N86-19897 Objective investigations and subjective observations of sensitivity to weather p 165 N86-21023	[AD-A160819] p 135 N86-19898 Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617  SUBMARINES  Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317  Lung rupture as a complication in free escape from submarines p 122 N86-19862  Body weight changes before and after submarine patrols	A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113 SURFACE GEOMETRY Effects of body mass and morphology on thermal responses in water p 162 A86-28123 SURFACE REACTIONS A possible energetic role of mineral surfaces in chemical evolution p 48 A86-14114 SURFACE TEMPERATURE
on locus of control [AD-A160861] p 135 N86-18987 Psychological and physiological stress reactions among sports diver-students p 124 N86-19875 Evaluation of a multi-method group treatment approach for the management of stress [AD-A160813] p 135 N86-19897 Objective investigations and subjective observations of sensitivity to weather p 165 N86-21023 Effects of 60 Hz electric fields on operant and social	[AD-A160819] p 135 N86-19898 Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617  SUBMARINES  Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317  Lung rupture as a complication in free escape from submarines p 122 N86-19862  Body weight changes before and after submarine patrols [AD-A161144] p 127 N86-19893	A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113  SURFACE GEOMETRY  Effects of body mass and morphology on thermal responses in water p 162 A86-28123  SURFACE REACTIONS  A possible energetic role of mineral surfaces in chemical evolution p 48 A86-14114
on locus of control [AD-A160861] p 135 N86-18987 Psychological and physiological stress reactions among sports diver-students p 124 N86-19875 Evaluation of a multi-method group treatment approach for the management of stress [AD-A160813] p 135 N86-19897 Objective investigations and subjective observations of sensitivity to weather p 165 N86-21023 Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates	[AD-A160819] p 135 N86-19898 Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617  SUBMARINES  Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317  Lung rupture as a complication in free escape from submarines p 122 N86-19862  Body weight changes before and after submarine patrols [AD-A161144] p 127 N86-19893  Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations	A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113 SURFACE GEOMETRY Effects of body mass and morphology on thermal responses in water p 162 A86-28123 SURFACE REACTIONS A possible energetic role of mineral surfaces in chemical evolution p 48 A86-14114 SURFACE TEMPERATURE A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones
on locus of control [AD-A160861] p 135 N86-18987 Psychological and physiological stress reactions among sports diver-students p 124 N86-19875 Evaluation of a multi-method group treatment approach for the management of stress [AD-A160813] p 135 N86-19897 Objective investigations and subjective observations of sensitivity to weather p 165 N86-21023 Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-002587] p 209 N86-23221 Estimate of emotional stress during working activity	[AD-A160819] p 135 N86-19898 Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617 SUBMARINES  Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317  Lung rupture as a complication in free escape from submarines p 122 N86-19862  Body weight changes before and after submarine patrols  [AD-A161144] p 127 N86-19893  Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306	A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113  SURFACE GEOMETRY  Effects of body mass and morphology on thermal responses in water p 162 A86-28123  SURFACE REACTIONS  A possible energetic role of mineral surfaces in chemical evolution p 48 A86-14114  SURFACE TEMPERATURE  A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960
on locus of control [AD-A160861] p 135 N86-18987 Psychological and physiological stress reactions among sports diver-students p 124 N86-19875 Evaluation of a multi-method group treatment approach for the management of stress [AD-A1608013] p 135 N86-19897 Objective investigations and subjective observations of sensitivity to weather p 165 N86-21023 Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates [DE86-002587] p 209 N86-23221	[AD-A160819] p 135 N86-19898 Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617  SUBMARINES  Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317  Lung rupture as a complication in free escape from submarines p 122 N86-19862  Body weight changes before and after submarine patrols [AD-A161144] p 127 N86-19893  Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations	A review of the pilot backache problem in the CH113 Labrador helicopter [AD-A164011] p 256 N86-25113 SURFACE GEOMETRY Effects of body mass and morphology on thermal responses in water p 162 A86-28123 SURFACE REACTIONS A possible energetic role of mineral surfaces in chemical evolution p 48 A86-14114 SURFACE TEMPERATURE A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones

SUBMERGED BODIES

Changes in the blood electric conductivity caused by body immersion p 90 A86-22543

The effect of leakage on the insulation provided by immersion-protection clothing p 44 A86-14320

SUBMERGING

p 90 A86-22543

Rapid measurement of individual stress reaction level:

workload [NASA-CR-177099]

Report from a behavioral science study grip to Australia, 23 Aug. - 10 Sep. 1985 [FOA-C-50027-H3] p 235 N86-23280

Effect of time span and task load on pilot mental

p 382 N86-29502

Suture needle holder [AD-D011764]

p 37 N86-12958

SURGEONS

Human factors engineering design criteria for future systems. Report number 3: Design criteria evolving from the Multiple Multiple Rocket System (MLRS) operational

SURGERY	SYMBIOSIS	test 3
Unsteady blood flow in humans under artificial conditions	Microbial contributions to the Precambrian Earth	[AD-A158316] p 76 N86-15916
Russian book p 33 A86-15443	p 307 N86-26899	Human factors engineering and operability in the design
Laser ablation of human atherosclerotic plaque without	SYMBOLS Components of verbal intelligence	of electronic warfare spaces aboard United States Naval
adjacent tissue injury p 91 A86-22711	Components of verbal intelligence [AD-A163359] p 290 N86-26828	combatants
Reduction of circadian disruption following surgery by	Absolute judgment versus absolute magnitude	[AD-A162251] p 243 N86-24222
ingestion of caffeine in the laboratory rat p 201 A86-30447	estimation to convey information through symbol	SYSTEM FAILURES
Magnets and surgical procedures p 119 N86-19841	magnitude changes in CRT displays	Detection of system failure by human operator. I - The case of monitor p 403 A86-43535
Research animal stanchion and transporter	[AD-A167059] p 434 N86-32103	F
[AD-A163907] p 248 N86-25110	SYMMETRY	Theoretical and experimental analysis of pilot failure detection behavior during various automatic approach
Special features of surgical intervention under conditions	Determination of symmetry and phase in human visual	conditions
of weightlessness	response functions: Theory and experiments	[NLR-MP-83025-U] p 72 N86-14895
[AD-A167916] p 423 N86-32092	p 15 N86-10769 SYMPATHETIC NERVOUS SYSTEM	SYSTEMS ANALYSIS
SURGES	Individual and typological functional properties of the	A methodology for addressing system operability issues
Human reactions to transient electric currents	sympathoadrenal system as a prognostic index of the	of military systems p 184 A86-28437
[PB86-117280] p 222 N86-23277	functional state of an organism in complex environmental	Incorporating human operator considerations into
SURGICAL INSTRUMENTS	conditions p 88 A86-22532	existing weapon system analysis and quantification
Cutting head for ultrasonic lithotripsy	Method for the quantitative determination of the	capabilities p 184 A86-28438
[NASA-CASE-GSC-12944-1] p 126 N86-19885	parasympathetic regulation of cardiac activity in operators	A basic concept for evaluating man-machine systems
SURVEYS	working in sealed chambers p 271 A86-36536 SYNAPSES	p 433 A86-47773
A survey of speech audiometry in the National Health Service	Simulated hypogravity and synaptogenesis in culture	System development and evaluation technology: State
[NPL-AC-105] p 221 N86-23267	p 194 A86-30401	of the art of manned system measurement [AD-A160418] p 134 N86-18983
Somatosensory and auditory perception according to	Effects of pressure on uptake and release of calcium	Basic human factors considerations
study using focused ultrasound p 285 N86-27876	by brain synaptosomes p 247 A86-36225	[DE86-008181] p 409 N86-31223
A collation of United States Air Force anthropometry	Individual differences in maximum oxygen uptake	SYSTEMS ENGINEERING
[AD-A168485] p 443 N86-33019	regulation and level p 62 N86-14863	Your space suit and you - Significance of manipading
SURVIVAL EQUIPMENT	Multidisciplinary studies on excitatory amino acids as	in pressure suit design
Cold water immersion test of prototype anti-exposure	transmitters in the brain [AD-A164258] p 256 N86-25115	[SAE PAPER 851334] p 137 A86-23523
suits for aircrews p 44 A86-13942	[AD-A164258] p 256 N86-25115 SYNCOPE	Space Station Environmental Control/Life Support
The effect of water ingress on buoyancy and thermal	EEG studies in episodic unconsciousness, seizure	System engineering
quality of survival suits p 97 A86-19333	disorder and syncope p 12 A86-12434	[SAE PAPER 851375] p 140 A86-23558
Ship/rig personnel abandonment and helicopter	Nonhypoxic syncopes at high altitude - The results of	Wickens' resource allocation model - Implications for
crew/passenger immersion suits - The requirements in the	two observational trials in a hypobaric chamber	the design of human-machine systems
North Atlantic p 187 A86-29100	p 31 A86-13572	p 185 A86-28453
Low temperature inflator apparatus	SYNTAX	Workload measurement in system design and evaluation p 267 A88-33787
[AD-D011810] p 45 N86-12974 SUSPENDING (HANGING)	The effects of syntactic complexity on the	F === 1.00 00101
Effects of suspension hypokinesia/hypodynamia on rat	human-computer interaction p 271 A86-36172 Representation for closed form significance testing in	Study on design techniques for robots (space applications). Volume 1, part A: Technical results
skeletal muscle p 26 A86-14313	VL1 p 408 N86-31219	[FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902
Thymic involution in the suspended rat - Adrenal	SYNTHESIS (CHEMISTRY)	Study on design techniques for robots (space
hypertrophy and glucocorticoid receptor content	The synthesis of primitive 'living' forms - Definitions,	applications). Volume 1, part B: Technical results
p 106 A86-25660	goals, strategies and evolution synthesizers	[FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903
Effects of non weight bearing on callus formation	p 372 A86-41045	Study on design techniques for robots (space
p 193 A86-30394	Bimane derivatives as fluorescent probes for biological	applications). Volume 2: Technical appendices
Changes in skeletal muscle properties following hindlimb	macromolecules	[FOK-TR-R-84-110-VOL-2] p 47 N86-13904
suspension p 198 A86-30428 Altered carbohydrate metabolism in the whole body	[AD-A162725] p 160 N86-22088 Artificial antigens, vaccines reviewed	Study on design techniques for robots (space
suspended rat p 199 A86-30431	p 219 N86-23239	applications). Volume 3: Executive summary
Transient dehydration of lungs in tail-suspended rats	Investigation of porous polymer gas chromatographic	[FOK-TR-R-84-110-VOL-3] p 47 N86-13905 Managing computer systems development:
p 200 A86-30438	packings for atmospheric analysis of extraterrestrial	Managing computer systems development: Understanding the human and technological imperatives
Responses of amino acids in hindlimb muscles to	bodies p 299 N86-26858	[AD-A158976] p 76 N86-15917
recovery from hypogravity and unloading by tail-cast	Energy yields in the prebiotic synthesis of hydrogen	System development and evaluation technology: State
suspension p 202 A86-30456	cyanide and formaldehyde p 300 N86-26863	of the art of manned system measurement
The use of suspension models and comparison with	Synthesis and analysis in studies of chemical	[AD-A160418] p 134 N86-18983
true weightlessness Animal Model Workshop on Gravitational Physiology p 205 A86-30480	evolution p 300 N86-26864 Isotopic characterisation of prebiotic synthesis of organic	Independent study of automation and robotics for the
Models of disuse - A comparison of hindlimb suspension	material p 300 N86-26865	National Space Program by the Automation and Robotics
and immobilization p 391 A86-44196	Models of glycolysis: Glyceraldehyde as a source of	Panel [NASA-CR-176523] p 148 N86-18990
SWEAT	energy and monomers for prebiotic condensation	An engineering analysis of a closed cycle plant growth
The diaphoretic reflex in a complex of methods for	reactions p 302 N86-26876	module p 150 N86-19919
estimating operator efficiency p 88 A86-21453	SYNTHESIZERS	Study of biosample preservation, handling, and
Heat transfer in impermeable clothing: Sweat plays a	Design guidelines for the use of audio cues in computer	observation facilities
role after all [IZF-1985-9] p 100 N86-17992	interfaces [DE85-015176] p 241 N86-23281	[ESA-CR(P)-2126] p 213 N86-24191
Electrodermal changes corresponding to the degree of	SYNTHETIC APERTURE RADAR	Extremely Low Frequency (ELF) communications
discomfort induced by motion sickness	Color coding of synthetic aperture radar imagery	system bio-effects library development [AD-A162839] p 225 N86-24204
[NAL-TR-880] p 176 N86-22096	p 142 A86-23713	[AD-A162839] p 225 N86-24204 Cockpit automation requirements derived from mission
Sweating reflex in complex of methods for evaluating	SYNTHETIC FIBERS	functions data p 293 N86-26318
operator efficiency p 285 N86-27872	Thermal insulating capabilities of 'thin' clothing	SYSTEMS INTEGRATION
SWEAT COOLING	insulation p 22 A86-10263	An integrated display for vertical and translational flight
Heat transfer in impermeable clothing: Sweat plays a	SYNTHETIC FOOD	Eight factors affecting pilot performance
role after all [IZF-1985-9] p 100 N86-17992	Utilization of non-conventional systems for conversion of biomass to food components: Potential for utilization	p 264 A86-36175
[IZF-1985-9] p 100 N86-17992 Environmental stress after atropine treatment	of algae in engineered foods	The system integration and verification testing of an
[AD-A161923] p 223 N86-24197	[NASA-CR-176257] p 6 N86-11830	orbital maneuvering vehicle for an air bearing floor [NASA-CR-178350] p 242 N86-24217
SWEDEN	SYSTEM EFFECTIVENESS	Person computer dialogue: A human engineering data
Anthropometry research program	A methodology for addressing system operability issues	base supplement
[FOA-C-50032-H2] p 386 N86-29511	of military systems p 184 A86-28437	[AD-A163074] p 243 N86-24223
SWIMMING	The dissociation between subjective and	SYSTEMS SIMULATION
Thermoregulatory reactions to chilling in ice-cold water	performance-based measures of operator workload	Artificial intelligence and the Rule Oriented System
in fans of winter swimming p 90 A86-22544  One aspect of crew training p 72 N86-15885	p 178 A86-28450	Simulation (ROSS) language military commanders
Design guidelines for carbon diovide combharei-i	Techniques of asking questions in the evaluation of	p 427 N86-32097
Design guidelines for carbon dioxide scrubbers, revision A	man-machine systems p 433 A86-47774	Data collection via a quasi-experimental simulation
		Data collection via a quasi-experimental simulation technology. Part 1: Multiple measurement of performance
A [AD-A160181] p 147 N86-18989 SWINE	man-machine systems p 433 A86-47774 A measure of usability of man-machine systems	Data collection via a quasi-experimental simulation technology. Part 1: Multiple measurement of performance excellence in complex and uncertain managerial tasks
A [AD-A160181] p 147 N86-18989 SWINE A multi-isotope procedure for simultaneously estimating	man-machine systems p 433 A86-47774 A measure of usability of man-machine systems p 433 A86-47775 Human factors engineering design criteria for future systems. Design criteria evolving from the Fire Support	Data collection via a quasi-experimental simulation technology. Part 1: Multiple measurement of performance excellence in complex and uncertain managerial tasks
A [AD-A160181] p 147 N86-18989 SWINE	man-machine systems p 433 A86-47774 A measure of usability of man-machine systems p 433 A86-47775 Human factors engineering design criteria for future	Data collection via a quasi-experimental simulation technology. Part 1: Multiple measurement of performance excellence in complex and uncertain managerial tasks [AD-A167949] p 428 N86-32969

Biological studies of swine exposed to 60-Hz electric fields. Volume 5: Hematology and serum chemistry [DE86-005362] p 411 N86-30344

SYSTOLE	Message-based screen interfaces - The effects of	Detection of system failure by human operator. I - The
Systolic time intervals in pilots and non-pilots during 70	presentation rates and task complexity on operator	case of monitor p 403 A86-43535
deg head-up tilt p 250 A86-33757 Circadian variations of systolic time intervals	performance p 143 A86-23734  Dual hemispheric processing in a letter matching task	Review on secondary task technique for workload assessment Some consideration of secondary task
p 394 A86-44087	p 131 A86-24325	paradigms and an assessment model
Analysis techniques for continuous twenty four hour	Automation in the cockpit - Who's in charge?	p 403 A86-43539
ambulatory blood pressure patterns p 170 N86-21103	[SAE PAPER 841534] p 146 A86-26005	Visual accommodation and virtual image displays -
SYSTOLIC PRESSURE Systolic blood pressure in fighter pilots after 12-15 years	Effects of task difficulty and learning strategies in	Target detection and recognition p 406 A86-45015
service p 250 A86-33762	multiple-task training p 178 A86-28451	On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870
Hemodynamic parameters as related to different	Wickens' resource allocation model - Implications for	Data collection via a quasi-experimental simulation
tolerance to head-pelvis accelerations	the design of human-machine systems p 185 A86-28453	technology. Part 1: Multiple measurement of performance
p 61 N86-14859	Evaluation of 16 measures of mental workload using a	excellence in complex and uncertain managerial tasks
<b>-</b>	simulated flight task emphasizing mediational activity	[AD-A167949] p 428 N86-32969 Modified Petri net model sensitivity to workload
J	p 179 A86-28864	manipulations p 436 N86-32979
TABLES (DATA)	On scaling performance operating characteristics -	Levels of Information Processing in a Fitts law task
On the use of a bubble formation model to calculate	Caveat emptor p 179 A86-28866	(LIPFitts) p 436 N86-32980
diving tables p 114 A86-25658	POCs and performance decrements - A reply to Kantowitz and Weldon p 179 A86-28867	The effects of stimulus modality and task integrality:
Plausibility functions of lowa vocabulary test items	Kantowitz and Weldon p 179 A86-28867 Head-up/head-down transition - Measurement of	Predicting dual-task performance and workload from single-task levels p 436 N86-32981
estimated by the simple sum procedure of the conditional	transition times p 186 A86-29092	The impact of physical and mental tasks on pilot mental
P.D.F. Approach [AD-A160850] p 134 N86-18986	Can pilots time-share better than non-pilots?	workoad p 437 N86-32982
Repetitive decompression tables for no-stop excursions	p 238 A86-29874	Memory and subjective workload assessment
from saturation underwater habitats	Relative contributions of SWAT dimensions to overall subjective workload ratings Subjective Workload	p 437 N86-32983 Knowledge-based load leveling and task allocation in
p 125 N86-19876	Assessment Technique p 238 A86-29876	human-machine systems p 437 N86-32985
Alternatives to standard air tables diver	Techniques of subjective workload assessment - A	The effects of voice and manual control mode on dual
decompression p 125 N86-19880 TABLETS	comparison of two methodologies p 238 A86-29877	task performance p 438 N86-32987
Evaluation of water sterilizing tablets	Predicted versus experienced workload and	Evaluation of 2 cognitive abilities tests in a dual-task
[AD-A165806] p 385 N86-28622	performance on a supervisory control task	environment p 438 N86-32988 Active controllers and the time duration to learn a task
TACTILE DISCRIMINATION	p 227 A86-29879 Measuring pilot workload in a motion base trainer - A	p 439 N86-32994
Pilot interface with fly by wire control systems	comparison of four techniques p 239 A86-29880	The role of impulse parameters in force variability
p 438 N86-32990 TANKS (COMBAT VEHICLES)	Time-sharing revised - Test of a componential model	p 439 N86-32997
Effectiveness of an air-cooled vest using selected air	for the assessment of individual differences	Aircrew coordination and decisionmaking: Peer ratings
temperature and humidity combinations	p 239 A86-29881 The relation between the Type A behavior pattern,	of video tapes made during a full mission simulation p 440 N86-32999
[AD-A162026] p 242 N86-24219	pacing, and subjective workload under single- and	Investigation of crew performance in a multi-vehicle
TARGET ACQUISITION	dual-task conditions p 234 A86-31822	supervisory control task p 440 N86-33001
Human pilot parameter identification for a simulated air-to-ground target acquisition task p 18 A86-10157	The functional age profile - An objective decision criterion	Optimal cooperative control synthesis of active
The effects of redundancy, target density and practice	for the assessment of pilot performance capacities and	displays p 441 N86-33006
on a complex visual search task p 142 A86-23712	capabilities p 234 A86-31823 Information processing in vigilance performance -	Closed-loop, pilot/vehicle analysis of the approach and landing task p 442 N86-33013
Target designation by speech, joystick, and touch control	Complexity revisited p 259 A86-33778	TASKS
- Format design implications p 184 A86-28439	To speak or not to speak - A multiple resource	The effects of type of knowledge upon human problem
Investigating the ocular fixation of targets as an anthropotechnical research method in man-machine	perspective p 259 A86-33784	solving in a process control task p 74 A86-17771
systems p 433 A86-47772	Eye-scan behavior in a flight simulation task as a function	Standardization of tasks: Approach planning human
Photosimulation of target acquisition in the presence	of level of training p 260 A86-33794  Learning and performance in an air refueling part-task	performance assessment [IZF-1984-19] p 20 N86-10782
of smoke: A pilot study	trainer - Preliminary data analysis p 260 A86-33796	The effect of cold training and the wearing of gloves
[IZF-1984-36] p 95 N86-17986	Assessment of task proficiency in Air Force OJT	on manual performance in the cold: A comparison of pure
The BAe D target acquisition model ORACLE: An overview, 1984	On-the-Job-Training p 260 A86-33806	ability and operational tasks
[BAE-JS-10009] p 221 N86-23268	An investigation of the 'von Restorff' phenomenon in	[AD-A163893] p 273 N86-25124
TARGET MASKING	post-test workload ratings p 261 A86-33807 The effect of varying task difficulty on subjective	Model-based approaches for partitioning subjective workload assessments
Photosimulation of target acquisition in the presence	workload p 261 A86-33808	[NASA-CR-177030] p 382 N86-29504
of smoke: A pilot study [IZF-1984-36] p 95 N86-17986	Training characteristics of the Criterion Task Set	Visual capabilities related to fighter aircrew performance
TARGET RECOGNITION	workload assessment battery p 261 A86-33809	in the F-14 and adversary aircraft p 400 N86-30320
Precision and accuracy of oculocentric direction for	Timebased analysis of significant coordinated operations (TASCO) - A cockpit workload analysis	An investigation of the use of steady-state evoked potentials for human performance and workload
targets of different luminances p 58 A86-17351	technique p 268 A86-33810	assessment and control
Visual lobe area for single targets on a competing	Human productivity of Space Station	[AD-A166205] p 404 N86-30332
homogeneous background p 234 A86-31821 Improvement in direction discrimination - No role for eye	p 268 A86-33813	Basic human factors considerations
movements p 234 A86-32073	Rule-based analysis of pilot decisions	[DE86-008181] p 409 N86-31223
Visual accommodation and virtual image displays -	p 261 A86-33816 An automated methodology for conducting human	Process of task analysis [DE86-008183] p 409 N86-31225
Target detection and recognition p 406 A86-45015	factors evaluations of protective garments	The startle reflex as a learning task: Apparatus and test
Enhancing sensitivity to visual motion and enhancing visual sensitivity	p 268 A86-33817	parameters
[AD-A158800] p 40 N86-13889	Anticipatory adjustments during a warning interval -	[AD-A167958] p 428 N86-32970
An automated system for comprehensive assessment	Cortical negativity and perceptual sensitivity p 261 A86-33818	A design guide for visual displays and manual tasks in vibration environments. Part 2: Manual tasks
of visual field sensitivity	The use of brain evoked response in a critical event	[ISVR-TR-134] p 443 N86-33015
[AD-A162755] p 178 N86-22104 TARGETS	detection task p 261 A86-33819	TASTE
Preferred declination of the line of sight	Event-related brain potentials and resource allocation	Oral changes in divers working with electrical equipment
p 406 A86-45014	<ul> <li>From dual-task decrements to dual-task integrality</li> </ul>	under water p 124 N86-19873
The effects of color-coding in GEOSIT (geographical	p 261 A86-33820	TAXONOMY  Microplankton species assemblages at the Scripps Pier
situational) displays. 2: Redundant versus non-redundant	Event-related brain potentials and intermodal divided attention p 262 A86-33821	from March to November 1983 during the 1982-1984 El
color-coding [AD-A166263] p 405 N86-30334	Processing inferences derived from event-related	Nino event p 207 A86-31833
[AD-A166263] p 405 N86-30334 TARS	potential measures in a monitoring task	TEAMS
Health and Environmental Effects of Complex Chemical	p 262 A86-33822	Team performance with large and small screen displays
Mixtures	A comparison of operator performance in manual and automated versions of a dynamic decision-making task	[AD-A158761] p 75 N86-14899
[DE85-016336] p 92 N86-16892 TASK COMPLEXITY	p 262 A86-33825	TECHNOLOGICAL FORECASTING
The effects of mild hypoxia on a logical reasoning	Voice and manual control in dual task situations	Pilots of the future - Human or computer?
task p 18 A86-10261	p 262 A86-33826	p 74 A86-18541
The effect of high spatial frequencies on visual	Eye and head response to an attention cue in a dual	A technology forecasting and assessment method for
recognition processes p 41 A86-15524	task paradigm p 262 A86-33827 Assessment of simulation fidelity using measurements	evaluating system utility and operator workload p 142 A86-23704
The effect of skill on performance under an	of piloting technique in flight, II p 264 A86-35667	TECHNOLOGY ASSESSMENT
environmental stressor p 94 A86-20408	The effects of syntactic complexity on the	Enhancement of space suit glove performance
Why do performance and subjective workload measures dissociate? p 129 A86-23726	human-computer interaction p 271 A86-36172	[SAE PAPER 851335] p 138 A86-23524
dissociate? p 129 A86-23726 Acquisition of perceptual-motor skill - Adaptive and	The detection of various color combinations under	Thermoelectric integration membrane evaporation
part-whole training p 129 A86-23727	different chromatic ambient illuminations p 378 A86-41783	subsystem water recovery - Technology update [SAE PAPER 851348] p 139 A86-23534

Message-based screen interfaces - The effects of

experiment

[NLR-TR-84116-L-PT-2]

p 444 N86-33024

A technology forecasting and assessment method for

Hypobaric training

of flight personnel evaluating system utility and operator workload The rastered eye - Vision in television compromising quality of life D 401 N86-30327 p 142 A86-23704 p 240 A86-32317 TEST EQUIPMENT Winging it in the 1980's - Why guidelines are needed Pulmonary function in microgravity - Spacelab 4 and for cockpit automation Simultaneous determination of fluid shifts during thermal bevond (SAE PAPER 841634) p 147 A86-26022 stress in a small animal model [IAF PAPER 85-322] D 36 A86-15828 [AD-A159363] The human role in space: Technology, economics and p 83 N86-16877 Development of a portable oxygen system analyzer TEMPERATURE CONTROL optimization --- Book p 272 A86-37037 p 430 A86-47742 The technology impact of the Advanced Technology Effects of cold exposure on thermal status of men and Crew Protection (ATCP) system on high performance aircraft p 406 A86-44779 Studies on accurate measurements and analyses of p 285 N86-27874 TEMPERATURE DEPENDENCE human olfactory evoked potentials [EL-863] Japanese Technology Evaluation Program (JTECH): p 288 N86-27907 Conditioning potentialities of respiratory apparatus TEST FACILITIES Biotechnology Panel [PB86-109386] p 14 N86-10753 TEMPERATURE EFFECTS Canadian automated pilot selection system p 161 N86-22092 **TECHNOLOGY TRANSFER** p 231 A86-29908 Are interpretations of ancient marine temperatures Long duration confinement of aquatic organisms in East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N constrained by the presence of ancient p 57 N86-15893 weightlessness (aquaspace) n 276 A86-39470 p 389 N86-29531 The effect of high temperature on the heat exchange TECHNOLOGY UTILIZATION Applicability of using the CAR-II model in design and and the nutritional status of pilots p 397 A86-45325 Reduction of the spermatogonial population in rat testes Effect of nerve block on response of forearm blood flow evaluation of multioperator workstations with shared flown on Space Lab-3 p 203 A86-30466 controls p 268 A86-33805 to local temperature p 418 A86-47873 TETHERING Short term heat effect on adreno- and cholino-sensitivity TEETH Protein crystal growth results from shuttle flight 51-F Electron microprobe analyses of Ca, S, Mg and P of rat's small intestine p 4 N86-10754 [NASA-CR-178540] p 82 N86-16875 Efficiency of muscular work in white rats during distribution in incisors of Spacelab-3 rats TEXTBOOKS p 202 A86-30455 adaptation to cold p 5 N86-10763 The role of elaborations in instructional texts: Learning In vitro comparison of zinc phosphate and glass ionomers ability to inhibit decalcification under and Diver response to hot water loss at depths greater than to use the appropriate procedure at the appropriate time
[AD-A165211] p. 291 N86-26833 300 meters: Experimental observations and theoretical p 291 N86-26833 adjacent to orthodontic bands p 121 N86-19855 TEXTURES AD-A1608811 Effect of low and high environmental temperatures on p 127 N86-19889 Neural dynamics of perceptual grouping - Textures, TELECOMMUNICATION decompression sickness in the aging rat boundaries, and emergent segmentations
[AD-A165648] p China report: Science and technology p 126 N86-19884 p 70 A86-17352 p 39 N86-12966 [JPRS-CST-85-019] The influence of heliometeorologic factors on circulation THALAMUS Power and signal transmission for mobile teleoperated and some vegetative functions p 165 N86-21021 Neuronal reactions and evoked potentials in the Weather and asthma symptoms p 166 N86-21029 subcortical brain structures in the process of visual [DE85-0139941 p 45 N86-12975 Meteorotropic changes of cardiac patients' blood recognition. I - Formulation of the problem and basic Future directions in mobile teleoperation pressure and pulse frequency during a complex bath methods for its solution p 9 A86-10696 IDF85-0143081 p 46 N86-12976 p 166 N86-21031 Neuronal response and evoked potentials in subcortical **TELEOPERATORS** Weather and subjective health complications in cardiac formations in visual perception. Part 1: Problem Duty-cycle analysis of a human-controlled manipulator p 167 N86-21032 formulation and principles of solution p 137 A86-23424 Airway infections related to city climate and local p 168 N86-21042 p 119 N86-19844 Research issues in teleoperator systems immission load p 143 Effects of wearing NBC (Nuclear, Biological and THERAPY The use of reflex therapy in the prophylaxis and Human operator control of a bilateral teleoperator in Chemical) protective clothing in the heat on detection of part-simulation of zero gravity p 143 A86-23736 visual signals treatment of motion sickness p 31 A86-13300 Telerobotics for the Space Station [AD-A162321] Corticoreticular interactions in the mechanisms of reflexotherapy p 182 A86-26493 Effect of heat and chemical protective clothing on p 208 A86-33071 Robots as man-extension systems in space cognitive performance Spinal cord decompression sickness - A comparison of p 240 A86-33183 Teleoperation of legged vehicles - Unique problems [AD-A162001]
TEMPERATURE MEASUREMENT p 242 N86-24218 recompression therapies in an animal model p 372 A86-41784 associated with walking and foot placement Reduction of circadian disruption following surgery by The Austrian biometeorological service p 268 ingestion of caffeine in the laboratory rat A86-33811 p 167 N86-21034 Characterization of good teleoperators - What aptitudes. p 201 A86-30447 Comparison between meteorological complex values interests, and experience correlate with mea TEMPLATES and a model of man's energy budget p 268 A86-33828 teleoperator performance Clay energetics in chemical evolution p 169 N86-21059 Recent advancements in telepresence technology p 301 N86-26867 Concerning barotrauma of the lungs-translation development --- in space p 269 Adsorption and condensation of amino acids and [AD-A165006] p 289 N86-27914 Space telerobotics - A few more hurdles nucleotides with soluble mineral salts US Air Force combat psychiatry p 272 A86-37047 D 301 N86-26869 [AD-A165011] p 292 N86-27921 Recent advances in teleoperation - Implications for the Cooperation of catalysts and template THERMAL COMFORT Space Station p 301 N86-26871 p 383 A86-40508 Development of an improved liquid cooling system Design for a goal-oriented telerobotic system
[AIAA PAPER 86-2090] p 429 A Molecular replication p 302 in protective clothing N86-26874 p 97 p 429 A86-47440 Stereoselective aminoacylation of RNA The effects of the insulation properties of different dry Automation and robotics for Space Station in the p 302 N86-26875 uit systems on the diver's heat balance and comfort during twenty-first century
[AIAA PAPER 86-2300] **TEMPORAL DISTRIBUTION** diving to 50 m p 121 N86-19856 p 434 A86-49552 Systolic time intervals in pilots and non-pilots during 70 The interface between atmosphere and organism Teleoperator human factors study deg head-up tilt p 250 A86-33757 p 164 N86-21014 [NASA-CR-176310] p 23 N86-11854 Time course of muscular blood metabolites during Application of a nonstationary energy budget model to Mechanical accessories for mobile teleoperators forearm rhythmic exercise in hypoxia determine thermal comfort p 164 N86-21017 [DE85-014310] p 23 N86-11855 p 252 A86-36222 Physical causes of air draft phenomena, new facts Future directions in mobile teleoperation TENSILE PROPERTIES p 164 N86-21018 [DE85-0143081 p 46 N86-12976 Resistance, exchange and capacitance functions of Climatic cure on a practical level p 164 N86-21019 Human-machine interface in mobile teleoperators skeletal muscle vessels in the presence of acute hypoxic Weather sensitivity as discomfort p 165 N86-21025 [DE85-013639] p 75 N86-14900 p 81 A86-22593 hypoxia Temperature wind speed humidity (TWH): A ometeorological index testing p 166 N86-21028 Human-machine interfaces for teleoperators: An Changes in the function of skeletal muscle vessels due biometeorological index testing overview of research and development at the Oak Ridge to the cardiogenic depressor reflex p 81 A86-22594 Human bioclimatic classification methods illustrated with National Laboratory. Consolidated Fuel Reprocessing Resistance, exchange, and capacitance functions of examples of selected countries p 169 N86-21058 skeletal muscle vessels in acute hypoxic hypoxia Comparison between meteorological complex values [DE85-017713] p 100 N86-17990 p 379 N86-28611 and a model of man's energy budget Baseline experiments in teleoperator control **TENSORS** p 169 N86-21059 [NASA-TP-2547] p 294 N86-26836 Radiographic determination of mass of inertial tensors Spatial distribution of heat and cold stress in the Federal Space teleoperation research. American Nuclear p 170 N86-21065 of anatomical segments Republic of Germany Society Executive conference: Remote operations and [AD-A168581] THERMAL ENVIRONMENTS p 425 N86-32961 robotics in the nuclear industry; remote maintenance in TERRAIN ANALYSIS Indicators of external respiration in young athletes during other hostile environments adaptation to high environmental temperature Altitude estimation of pilot and non-pilot observers using [NASA-TM-89234] p 386 N86-29513 p 9 A86-10699 p 230 A86-29905 real-world scenes Human factors activities in teleoperator development at Adaptation of the human organism to the repeated TERRAIN FOLLOWING AIRCRAFT the Oak Ridge National Laboratory short-term exposures to a hot environment Simulated terrain following flight - Visual and radar terrain [DE86-005160] p 408 N86-30340 p 10 A86-10701 correlation requirements p 231 A86-29906 Control loops with human operators in space operations. Neurophysiological activity and psychophysical TEST CHAMBERS Part 1: Human engineering analysis, synthesis and effectiveness of environmental factors evaluation techniques Plan for CELSS test bed project p 149 N86-19915 p 164 N86-21013 Plant growth chamber M design [NLR-TR-84116-L-PT-11 p 149 N86-19916 p 435 N86-32107 Application of a nonstationary energy budget model to Control loops with human operators in space operations. Operational development of small plant growth determine thermal comfort p 164 N86-21017 Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040 Part 2: Robotics operations and manual control p 149 N86-19917

Gas and water recycling system for IOC vivarium

experiments

p 150 N86-19920

TELEVISION SYSTEMS

to rats of thermal decomposition products from two aircraft	Thermoregulatory and blood responses during exercise at graded hypohydration levels p 36 A86-16052	The effects of ketamine on Rhesus monkey skeletal
seat fire-blocking materials	at graded hypohydration levels p 36 A86-16052  Mode of neural control mediating rat tail vasodilation	dynamics [AD-A162848] p 213 N86-24189
[AD-A165034] p 277 N86-27866	during heating p 28 A86-16055	THREAT EVALUATION
THERMAL EXPANSION  Volume and density changes of biological fluids with	Effects of psychotropic drugs on thermal responses to	Effect of threat stress on psychomotor stability of pilots
temperature p 79 A86-20001	radiofrequency radiation p 59 A86-18838	differing in anxiety level p 72 N86-15869
THERMAL INSULATION	Thermoregulation in man under thermal stress	THREE DIMENSIONAL MOTION
Thermal insulating capabilities of 'thin' clothing	p 89 A86-22541	Binocular image flows: Steps toward stereo - motion fusion
insulation p 22 A86-10263	Thermoregulatory reactions to chilling in ice-cold water in fans of winter swimming p 90 A86-22544	[AD-A158089] p 67 N86-15901
The effect of leakage on the insulation provided by immersion-protection clothing p 44 A86-14320	Interaction of the thermoreceptor and vestibular signals	THRESHOLD CURRENTS
The effect of water ingress on buoyancy and thermal	in the regulation of the activity of flexor and extensor motor	Human body impedance and threshold currents for
quality of survival suits p 97 A86-19333	nuclei during cold tremors p 103 A86-23493	perception and pain for contact hazard analysis in the VLF-MF band p 281 A86-39598
Effect of increased body clothing insulation on hand	Afterdrop of body temperature during rewarming - An	THRESHOLDS (PERCEPTION)
temperature in a cold environment [AD-A156597] p 22 N86-10786	alternative explanation p 162 A86-28122	Pitch change thresholds as influenced by angular rate
The effects of the insulation properties of different dry	Effects of body mass and morphology on thermal responses in water p 162 A86-28123	and duration of the apparent horizon's displacement
suit systems on the diver's heatbalance and comfort during	responses in water p 162 A86-28123 Oxygen consumption during cold exposure at 2.1 G in	p 227 A86-29867
diving to 50 m p 121 N86-19856	rats adapted to hypergravic fields p 199 A86-30432	Shadow mask display visibility - Human thresholds for perception of misconvergence effects
THERMAL PROTECTION	Influence of exposure to a prolonged hyperdynamic field	p 268 A86-33798
Evaluation of materials for thermal protection [AD-P004901] p 187 N86-20638	on body temperature in the squirrel monkey	Displacement thresholds in central and peripheral vision
Problems of city planning meteorological	p 200 A86-30439	during tracking p 378 A86-41782
parameters p 169 N86-21049	Analysis of the functional structure of thermogenesis	Visibility threshold range observations of LED emergency egress lighting strips and signs through dense
A lightweight impermeable suit for chemical protection	on the basis of pharmacological tests p 208 A86-33074	smoke and turbid water p 417 A86-47729
in warm conditions: A preliminary look at the concept	Ontogeny of homeothermy in the immature rat -	Dynamics of changes of statistical indicators of heart
[AD-A164687] p 295 N86-26839 THERMAL RADIATION	Metabolic and thermal responses p 246 A86-36221	rhythm of persons with different degree of motion
Enhancement of somniferous effects of thermal	Seasonal dynamics of circadian rhythms of oxygen	sickness p 12 N86-10743
pulsation by simultaneous application to two reflexogenic	consumption and heat production in youths in Siberian	Determination of symmetry and phase in human visual response functions: Theory and experiments
zones p 120 N86-19849	conditions p 254 A86-36529	p 15 N86-10769
THERMAL SIMULATION  Experimental validation of training radius and a	Substantiation of physiological criteria for assessing the	The effect of impulse intensity and the number of
Experimental validation of training regime and a monitoring method connected with accelerated adaptation	functional status of the human body in high-temperature environments p 255 A86-36532	impulses on hearing and cochlear pathology in the
to heat p 88 A86-22524	Human thermoregulatory responses to cold air are	chinchilla [AD-A161230] p.109 N86-19827
THERMAL STRESSES	altered by repeated cold water immersion	[AD-A161230] p 109 N86-19827 Meteorological adaptation research at biology institute
Effectiveness of an air-cooled vest using selected air	p 281 A86-39094	p 211 N86-23257
temperature and humidity combinations [AD-A162026] p 242 N86-24219	Phases of muscular thermogenesis under experimental	Method of changes in reversible pattern masking as
THERMOELECTRIC COOLING	hyperthyrosis p 373 A86-43425	factor in visual perception p 221 N86-23263
Development of thermoelectric water heating-cooling	The effect of noradrenaline on oxidation metabolism in cold-adapted golden hamsters p 413 A86-49155	THROMBIN  Development of an ultrafast-curing wound dressing
devices	The mechanism of the adaptogenic effect of tocopherol	[AD-A162471] p 177 N86-22099
[AD-A166949] p 409 N86-31221	in prolonged cold exposure p 414 A86-49367	THROMBOCYTES
THERMOELECTRICITY Thermoelectric integration membrane evaporation	Mechanism of adaptogenic action of prickly	The dependence of thromboelastographic indices in
subsystem water recovery - Technology update	eleuterococcus on man during heat stress	healthy subjects on geomagnetic-field conditions
[SAE PAPER 851348] p 139 A86-23534	p 14 N86-10757 Vestibular resistance and blood circulation changes in	p 90 A86-22545 Effect of emotional stress on hemostasis system of
	The state of the s	
THERMOGRAPHY	orthostatic position during hyperthermia	healthy persons p 19 N86-10745
Thermovisual indicators of brain reactions to visual	p 14 N86-10758	THROMBOSIS
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695	p 14 N86-10758 Heat transfer mechanism in human extremities	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p 119 N86-19843	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment p 87 A86-20410
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p 119 N86-19843 A comparison of the specific absorption rate in a	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] FOR N86-11832 Human thermoregulatory responses to cold air are	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p 119 N86-19843 A comparison of the specific absorption rate in a	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  THYMUS GLAND
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES	p 14 N86-10758  Heat transfer mechanism in human extremities    p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158671] p 68 N86-15904	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p 119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] p 68 N86-15904 Man's thermal budget under various climates p 164 N86-21016	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p 119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures	p 14 N86-10758  Heat transfer mechanism in human extremities    p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158671] p 68 N86-15904  Man's thermal budget under various climates    p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21019 Weather sensitivity as discomfort p 165 N86-21025	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A15871] p 68 N86-15904  Man's thermal budget under various climates p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030	p 14 N86-10758  Heat transfer mechanism in human extremities     p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158671] p 68 N86-15904  Man's thermal budget under various climates     p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization of the effects as a meteorological contribution for	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10892 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p 119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophiles from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620]  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158671]  Man's thermal budget under various climates  Climatic cure on a practical level Weather sensitivity as discomfort p 165 N86-21015 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10895 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p 119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophiles from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoactiophilic iron-oxidizing	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A15871] p 68 N86-15904 Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21019 Weather sensitivity as discomfort p 165 N86-21025 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Weather and subjective health complications in cardiac	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970  THYMUS GLAND Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content p 106 A86-25660  THYROID GLAND Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  A cold thyroid nodule - Statistical data and aeronautical aptitude p 112 A86-24507
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactionmyces vulgaris and other aerobic heterotropic thermophiles from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21019 Weather sensitivity as discomfort p 165 N86-21025 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Weather and subjective health complications in cardiac patients p 167 N86-21032	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P 116  N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  P 106  A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  P 49  A66-16901  A cold thyroid nodule - Statistical data and aeronautical aptitude  P 112  A86-24507  Phases of muscular thermogenesis under experimental
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10895 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p 119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermocatophilic iron-oxidizing bacteria Thermophilic archaebacteria occurring in submarine hydrothermal areas	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620]  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A15871]  Man's thermal budget under various climates p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026  Weather and subjective health complications in cardiac patients p 17 N86-21032  Environmental stress after atropine treatment	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  p 49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical aptitude  p 112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  p 373 A86-43425
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactionmyces vulgaris and other aerobic heterotropic thermophiles from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Sequence of the 16S rRNA gene from the	p 14 N86-10758  Heat transfer mechanism in human extremities	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  p 49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical aptitude  p 112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  Thyroid absorbed dose for people at Rongelap, Utirik
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfatarious	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A15871] Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21019 Weather sensitivity as discomfort p 165 N86-21025 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Weather and subjective health complications in cardiac patients p 167 N86-21032 Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197 Individual parameters in thermoregulatory control; a review plasma diagnostics	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  p 49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical aptitude  p 112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  p 373 A86-43425
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10895 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p 119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoactionphilic iron-oxidizing bacteria Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998	p 14 N86-10758  Heat transfer mechanism in human extremities     p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158671] p 68 N86-15904  Man's thermal budget under various climates     p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026  Weather and subjective health complications in cardiac patients p 167 N86-21032  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197  Individual parameters in thermoregulatory control; a review—plasma diagnostics [IZF-1985-26] p 283 N86-26801	Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  A cold thyroid nodule - Statistical data and aeronautical aptitude  p 112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  p 373 A86-43425  Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954  [DE85-014695]  p 17 N86-11846  Condition of thyroid gland and C cells during long-term
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactionmyces vulgaris and other aerobic heterotropic thermophiles from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-20998 Sequence divergence of an archaebacterial gene cloned	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] p 68 N86-15904  Man's thermal budget under various climates p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026  Weather and subjective health complications in cardiac patients p 167 N86-21032  Environmental stress after atropine treatment [AD-A161923] Individual parameters in thermoregulatory control; a review plasma diagnostics [IZF-1985-26] p 283 N86-26801  Effects of cold exposure on thermal status of men and	Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  A cold thyroid nodule - Statistical data and aeronautical aptitude p 112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis p 373 A86-43425  Thyroid absorbed dose for people at Rongelap, Utrik and Sifo on March 1, 1954  [DE85-014695] p 17 N86-11846  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones  [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoactionomic iron-oxidizing bacteria Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Sequence of the 16S rRNA gene from the thermoactionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620]  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871]  Man's thermal budget under various climates p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026  Weather and subjective health complications in cardiac patients p 167 N86-21032  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197 Individual parameters in thermoregulatory control; a review plasma diagnostics [IZF-1985-26] p 283 N86-26801  Effects of cold exposure on thermal status of men and women p 285 N86-27874	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  p 49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical pi112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954  [DE85-014695] p 17 N86-11846  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  p 174 N86-21126
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophiles from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] p 68 N86-15904  Man's thermal budget under various climates p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026  Weather and subjective health complications in cardiac patients p 167 N86-21032  Environmental stress after atropine treatment [AD-A161923] Individual parameters in thermoregulatory control; a review plasma diagnostics [IZF-1985-26] p 283 N86-26801  Effects of cold exposure on thermal status of men and	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  P 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  P 49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical aptitude  P 112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  P 373 A86-43425  Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954  [DE85-014695]  P 17 N86-11846  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  P 174 N86-21126
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10892 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus soffataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620]  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871]  Man's thermal budget under various climates p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026  Weather and subjective health complications in cardiac patients p 167 N86-21032  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197 Individual parameters in thermoregulatory control; a review plasma diagnostics [IZF-1985-26] p 283 N86-26801  Effects of cold exposure on thermal status of men and women p 285 N86-27874  Study of brain biochemistry during hypothermia p 285 N86-27875  Influence of erythrocythemia on blood volume and	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  p 49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical pi112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954  [DE85-014695] p 17 N86-11846  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  p 174 N86-21126
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactionmyces vulgaris and other aerobic heterotropic thermophiles from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors Interaction of the thermoreceptor and vestibular signals	p 14 N86-10758  Heat transfer mechanism in human extremities     p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158671] p 68 N86-15904  Man's thermal budget under various climates     p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026  Weather and subjective health complications in cardiac patients p 167 N86-21032  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197  Individual parameters in thermoregulatory control; a review — plasma diagnostics [IZF-1985-26] Effects of cold exposure on thermal status of men and women Study of brain biochemistry during hypothermia p 285 N86-27874  Study of brain biochemistry during hypothermia p 285 N86-27875  Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  A cold thyroid nodule - Statistical data and aeronautical aptitude  p 19 A86-16901  A cold thyroid nodule - Statistical data and aeronautical aptitude  p 112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  Thyroid absorbed dose for people at Rongelap, Utrirk and Sito on March 1, 1954  [DE85-014695]  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  p 174 N86-21126  TIBIA  Correlated light and electron microscopy of the
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophiles from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18033 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors p 103 A86-23491 Interaction of the activity of flexor and extensor motor	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] p 68 N86-15904  Man's thermal budget under various climates p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026  Weather and subjective health complications in cardiac patients p 167 N86-21032  Environmental stress after atropine treatment [AD-A161923] Individual parameters in thermoregulatory control; a review plasma diagnostics [IZF-1985-26] Effects of cold exposure on thermal status of men and women p 285 N86-27874  Study of brain biochemistry during hypothermia p 285 N86-27875 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165014] p 289 N86-27916	Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  P87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  P106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  A cold thyroid nodule - Statistical data and aeronautical aptitude  P112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954  [DE85-014695]  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  P174 N86-21126  TIBIA  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  P193 A86-30395  The effects of prostaglandin E2 in growing rats -
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10892 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones  [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors p 103 A86-23491 Interaction of the thermoreceptor and extensor motor nuclei during cold tremors	p 14 N86-10758  Heat transfer mechanism in human extremities     p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158671] p 68 N86-15904  Man's thermal budget under various climates     p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026  Weather and subjective health complications in cardiac patients p 167 N86-21032  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197  Individual parameters in thermoregulatory control; a review — plasma diagnostics [IZF-1985-26] Effects of cold exposure on thermal status of men and women Study of brain biochemistry during hypothermia p 285 N86-27874  Study of brain biochemistry during hypothermia p 285 N86-27875  Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  P87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  P106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  P49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical aptitude  P112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  P373 A86-43425  Thyroid absorbed dose for people at Rongelap, Utriand Sifo on March 1, 1954  [DE85-014695]  P17 N86-11846  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  p174 N86-21126  TIBIA  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  p193 A86-30395  The effects of prostaglandin E2 in growing rats - Increased metaphyseal hard tissue and cortice-endosteal
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactionmyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors noradrenalism effect on the skin thermoreceptors of the thermoreceptor and vestibular signals in the regulation of the activity of flexor and extensor motor nuclei during cold tremors p 103 A86-23493 The suppressive effect of carbon dioxide on the	p 14 N86-10758  Heat transfer mechanism in human extremities p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] p 68 N86-15904  Man's thermal budget under various climates p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026  Weather and subjective health complications in cardiac patients p 167 N86-21032  Environmental stress after atropine treatment [AD-A161923] Individual parameters in thermoregulatory control; a review plasma diagnostics [IZF-1985-26] Effects of cold exposure on thermal status of men and women p 285 N86-27874  Study of brain biochemistry during hypothermia p 285 N86-27875 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165014] p 289 N86-27916  Thermoregulation after atropine and pralidoxime administration [AD-A165868]	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  P87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  P106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  P49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical pitiude  P112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954  [DE85-014695]  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  p 17 N86-11846  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  p 193 A86-30395  The effects of prostaglandin E2 in growing rats- Increased metaphyseal hard tissue and cortico-endosteal bone formation  p 375 A86-43450
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactionmyces vulgaris and other aerobic heterotropic thermophiles from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors noradrenaline effect on the skin thermoreceptors p103 A86-23491 Interaction of the thermoreceptor and extensor motor nuclei during cold tremors p103 A86-23493 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21019 Weather sensitivity as discomfort p 165 N86-21025 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Weather and subjective health complications in cardiac patients p 167 N86-21032 Environmental stress after atropine treatment [AD-A161923] Individual parameters in thermoregulatory control; a review plasma diagnostics [IZF-1985-26] Effects of cold exposure on thermal status of men and women p 285 N86-27874 Study of brain biochemistry during hypothermia p 285 N86-27875 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165014] Thermoregulation after atropine and pralidoxime administration [AD-A165088] P 397 N86-30304	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  Par A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  P 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  P 49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical aptitude  P 112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  P 373 A86-43425  Thyroid absorbed dose for people at Rongelap, Utirik and Sito on March 1, 1954  [DE85-014695]  P 17 N86-11846  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  P 174 N86-21126  TIBIA  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  P 193 A86-30395  The effects of prostaglandin E2 in growing rats Increased metaphyseal hard tissue and cortico-endosteal bone formation  P 375 A86-43450
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactionmyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors noradrenaline effect on the skin thermoreceptors of the tectivity of flexor and extensor motor nuclei during cold tremors p 103 A86-23491 Interaction of the activity of flexor and extensor motor nuclei during cold tremors p 103 A86-23493 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319	p 14 N86-10758  Heat transfer mechanism in human extremities     p 14 N86-10759  An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832  Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158671] p 68 N86-15904  Man's thermal budget under various climates     p 164 N86-21016  Climatic cure on a practical level p 164 N86-21019  Weather sensitivity as discomfort p 165 N86-21025  Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026  Weather and subjective health complications in cardiac patients p 167 N86-21032  Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197  Individual parameters in thermoregulatory control; a review—plasma diagnostics [IZF-1985-26] p 283 N86-26801  Effects of cold exposure on thermal status of men and women p 285 N86-27875  Study of brain biochemistry during hypothermia p 285 N86-27875  Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165068] p 397 N86-30304  THESAURI  Modeling of perception and decision-making	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  P87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  P106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  P49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical pitiude  P112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954  [DE85-014695]  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  p 17 N86-11846  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  p 193 A86-30395  The effects of prostaglandin E2 in growing rats- Increased metaphyseal hard tissue and cortico-endosteal bone formation  p 375 A86-43450
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophiles from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors no roradrenal effect on the skin thermoreceptors p 103 A86-23491 Interaction of the thermoreceptor and extensor motor nuclei during cold tremors p 103 A86-23491 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319 THERMOREGULATION Hierarchy of control models for temperature regulation	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21019 Weather sensitivity as discomfort p 165 N86-21025 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Weather and subjective health complications in cardiac patients p 167 N86-21032 Environmental stress after atropine treatment [AD-A161923] Individual parameters in thermoregulatory control; a review plasma diagnostics [IZF-1985-26] Effects of cold exposure on thermal status of men and women p 285 N86-27874 Study of brain biochemistry during hypothermia p 285 N86-27875 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165014] Thermoregulation after atropine and pralidoxime administration [AD-A165088] P 397 N86-30304	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  P87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  P106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  P49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical aptitude  P112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  P373 A86-43425  Thyroid absorbed dose for people at Rongelap, Utirik and Sito on March 1, 1954  [DE85-014695]  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  P17 N86-11846  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  P193 A86-30395  The effects of prostaglandin E2 in growing rats - Increased metaphyseal hard tissue and cortico-endosteal bone formation  P375 A86-43450  TIME  A new hazard function estimator of performance time  [AD-A157843]  TIME DEPENDENCE
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors p 103 A86-23491 Interaction of the thermoreceptor and extensor motor nuclei during cold tremors p 103 A86-23493 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319 THERMOREGULATION Hierarchy of control models for temperature regulation	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21019 Weather sensitivity as discomfort p 165 N86-21025 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Weather and subjective health complications in cardiac patients p 167 N86-21032 Environmental stress after atropine treatment [AD-A161923] Individual parameters in thermoregulatory control; a review plasma diagnostics [IZF-1985-26] p 283 N86-26801 Effects of cold exposure on thermal status of men and women p 285 N86-27874 Study of brain biochemistry during hypothermia p 285 N86-27875 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165014] Thermoregulation after atropine and pralidoxime administration [AJ-A165688] p 397 N86-30304 THESAURI Modeling of perception and decision-making processes THICKNESS	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  A cold thyroid nodule - Statistical data and aeronautical aptitude  p 112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  p 373 A86-43425  Thyroid absorbed dose for people at Rongelap, Utrirk and Sito on March 1, 1954  [DE85-014695]  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  p 174 N86-21126  TIBIA  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  p 193 A86-30395  The effects of prostaglandin E2 in growing rats - Increased metaphyseal hard tissue and cortico-endosteal bone formation  p 375 A86-43450  TIME  A new hazard function estimator of performance time [AD-A157843]  p 42 N86-12971  TIME DEPENDENCE  Changes of flying skills during non-flight periods
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10892 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors p 103 A86-23491 Interaction of the thermoreceptor and vestibular signals in the regulation of the activity of flexor and extensor motor nuclei during cold tremors p 103 A86-23493 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319 THERMOREGULATION Hierarchy of control models for temperature regulation of the	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] p 68 N86-15904 Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21019 Weather sensitivity as discomfort p 165 N86-21025 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Weather and subjective health complications in cardiac patients p 167 N86-21032 Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197 Individual parameters in thermoregulatory control; a review — plasma diagnostics [IZF-1985-26] Effects of cold exposure on thermal status of men and women p 285 N86-27874 Study of brain biochemistry during hypothermia p 285 N86-27875 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165014] p 289 N86-27916 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 THESAURI Modeling of perception and decision-making processes p 183 A86-27094 THICKNESS Immersion cooling - Effect of clothing and skinfold thickness	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  P87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  P106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  P49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical aptitude  P112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  P373 A86-43425  Thyroid absorbed dose for people at Rongelap, Utritk and Sifo on March 1, 1954  [DE85-014695]  P17 N86-11846  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  p174 N86-21126  TIBIA  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  p193 A86-30395  The effects of prostaglandin E2 in growing rats-Increased metaphyseal hard tissue and cortico-endosteal bone formation  p 375 A86-43450  TIME  A new hazard function estimator of performance time  [AD-A157843]  P41 A86-13944
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors p 103 A86-23491 Interaction of the thermoreceptor and extensor motor nuclei during cold tremors p 103 A86-23493 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319 THERMOREGULATION Hierarchy of control models for temperature regulation	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21016 Weather sensitivity as discomfort p 165 N86-21025 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Weather and subjective health complications in cardiac patients p 167 N86-21032 Environmental stress after atropine treatment [AD-A161923] Individual parameters in thermoregulatory control; a review plasma diagnostics [IZF-1985-26] Effects of cold exposure on thermal status of men and women p 285 N86-27874 Study of brain biochemistry during hypothermia p 285 N86-27875 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165014] Thermoregulation after atropine and pralidoxime administration [AD-A165084] P 397 N86-30304 THESAURI Modeling of perception and decision-making processes Immersion cooling - Effect of clothing and skinfold thickness [AD-A163427] P 59 A86-18837	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  P87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P116 N86-18970  Thymus GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  P106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  A cold thyroid nodule - Statistical data and aeronautical pitude  P12 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954  [DE85-014695]  P17 N86-11846  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  P174 N86-21126  TIBIA  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  P193 A86-30395  The effects of prostaglandin E2 in growing rats-increased metaphyseal hard tissue and cortico-endosteal bone formation  P375 A86-43450  TIME  A new hazard function estimator of performance time [AD-A157843]  P42 N86-12971  TIME DEPENDENCE  Changes of flying skills during non-flight periods  P41 A86-13944  Age, degraded viewing environments, and the speed
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p 104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin the regulation of the activity of flexor and extensor motor nuclei during cold tremors p 103 A86-23491 Interaction of the thermoreceptor and vestibular signals in the regulation of the activity of flexor and extensor motor nuclei during cold tremors p 103 A86-23493 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319 THERMOREGULATION Hierarchy of control models for temperature regulation p 22 A86-10158 Heat sensitivity of the medial preoptic region of the hypothalamus during seasonal adaptation and acclimatization to high ambient temperature	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158671] p 68 N86-15904 Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21016 Weather sensitivity as discomfort p 165 N86-21025 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Weather and subjective health complications in cardiac patients Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197 Individual parameters in thermoregulatory control; a review—plasma diagnostics [IZF-1985-26] p 283 N86-26801 Effects of cold exposure on thermal status of men and women p 285 N86-27874 Study of brain biochemistry during hypothermia p 285 N86-27875 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165088] p 397 N86-30304 Thesauri Modeling of perception and decision-making processes Immersion cooling - Effect of clothing and skinfold thickness [AD-A163427] p 59 A86-18837 THIOLS	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  p 116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  A cold thyroid nodule - Statistical data and aeronautical aptitude  p 19 A86-16901  A cold thyroid nodule - Statistical data and aeronautical aptitude  p 112 A66-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  Thyroid absorbed dose for people at Rongelap, Utirik and Sito on March 1, 1954  [DE85-014695]  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  p 174 N86-21126  TIBIA  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  p 193 A86-30395  The effects of prostaglandin E2 in growing rats - Increased metaphyseal hard tissue and cortico-endosteal bone formation  p 375 A86-43450  TIME  A new hazard function estimator of performance time [AD-A157843]  TIME DEPENDENCE  Changes of flying skills during non-flight periods  p 41 A86-13944  Age, degraded viewing environments, and the speed of accommodation  p 87 A86-20407
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactionmyces vulgaris and other aerobic heterotropic thermophiles from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p104 A86-23999 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors normore nuclei during cold tremors p103 A86-23491 Interaction of the activity of flexor and extensor motor nuclei during cold tremors p103 A86-23491 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p392 A86-45319 THERMOREGULATION Hierarchy of control models for temperature regulation p22 A86-10158 Heat sensitivity of the medial preoptic region of the hypothalamus during seasonal adaptation and acclimatization to high ambient temperature	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] p 68 N86-15904 Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21016 Weather sensitivity as discomfort p 165 N86-21025 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Weather and subjective health complications in cardiac patients p 167 N86-21032 Environmental stress after atropine treatment [AD-A161923] p 167 N86-21032 Environmental stress after atropine treatment [AD-A161923] Individual parameters in thermoregulatory control; a review plasma diagnostics [IZF-1985-26] Effects of cold exposure on thermal status of men and women p 285 N86-27874 Study of brain biochemistry during hypothermia p 285 N86-27875 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165014] Thermoregulation after atropine and pralidoxime administration [AD-A16508] p 397 N86-30304 THESAURI Modeling of perception and decision-making processes Immersion cooling - Effect of clothing and skinfold thickness [AD-A163427] p 59 A86-18837 THIOLS Evolution of thiol protective systems in prokaryotes p 307 N86-26966	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  P87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  P106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  P49 A86-16901  A cold thyroid nodule - Statistical data and aeronautical aptitude  P112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  P373 A86-43425  Thyroid absorbed dose for people at Rongelap, Utiland Sifo on March 1, 1954  [DE85-014695]  P17 N86-11846  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  p174 N86-21126  TIBIA  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  p193 A86-30395  The effects of prostaglandin E2 in growing rats - Increased metaphyseal hard tissue and cortico-endosteal bone formation  P375 A86-43450  TIME  A new hazard function estimator of performance time [AD-A157843]  TIME DEPENDENCE  Changes of flying skills during non-flight periods  p41 A86-13944  Age, degraded viewing environments, and the speed of accommodation  p87 A86-20407  Experimental validation of training regime and a
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones  [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648 Recovery of viable thermoactinomyces vulgaris and other aerobic heterotropic thermophilies from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoactiophilic iron-oxidizing bacteria p51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p51 A86-18034 Sequence of the 16S rRNA gene from the thermoactiophilic archaebacterium sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen  THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors p 103 A86-23491 Interaction of the thermoreceptor and vestibular signals in the regulation of the activity of flexor and extensor motor nuclei during cold tremors p 103 A86-23493 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319  THERMORECULATION Hierarchy of control models for temperature regulation p 22 A86-10158 Heat sensitivity of the medial preoptic region of the hypothalamus during seasonal adaptation and acclimatization to high ambient temperature  p 26 A86-14594 Neurochemical basis of chemical thermoregulation and artificial hypobiosis p 27 A86-15521	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158671] p 68 N86-15904 Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21016 Weather sensitivity as discomfort p 165 N86-21025 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Weather and subjective health complications in cardiac patients Environmental stress after atropine treatment [AD-A161923] p 223 N86-24197 Individual parameters in thermoregulatory control; a review—plasma diagnostics [IZF-1985-26] p 283 N86-26801 Effects of cold exposure on thermal status of men and women p 285 N86-27874 Study of brain biochemistry during hypothermia p 285 N86-27874 Study of brain biochemistry during hypothermia p 285 N86-27875 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165081] p 397 N86-30304 Thesauri Modeling of perception and decision-making processes  Immersion cooling - Effect of clothing and skinfold thickness [AD-A163427] p 59 A86-18837 THIOLS Evolution of thiol protective systems in prokaryotes	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  p 87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  p 116 N86-18970  Thymus GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  p 106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  A cold thyroid nodule - Statistical data and aeronautical aptitude  p 112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954  [DE85-014695]  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  p 174 N86-21126  TIBIA  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  p 193 A86-30395  The effects of prostaglandin E2 in growing rats - Increased metaphyseal hard tissue and cortico-endosteal bone formation  p 375 A86-43450  TIME  A new hazard function estimator of performance time [AD-A157843]  TIME DEPENDENCE  Changes of flying skills during non-flight periods  p 41 A86-12971  TIME DEPENDENCE  Changes of flying skills during non-flight periods  p 87 A86-20407  Experimental validation of training regime and a monitoring method connected with accelerated adaptation to heat
Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual stimuli p119 N86-19843 A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547] p 424 N86-32960 THERMOPHILES Life at high temperatures p 2 A86-11802 Extremely thermophilic bacteria living at temperatures above 100 C Recovery of viable thermoactionmyces vulgaris and other aerobic heterotropic thermophiles from a varved sequence of ancient lake sediment p 51 A86-18030 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p51 A86-18033 Thermophilic archaebacteria occurring in submarine hydrothermal areas p51 A86-18034 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p104 A86-23999 Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen p104 A86-23999 THERMORECEPTORS Mechanism of noradrenaline effect on the skin thermoreceptors normore nuclei during cold tremors p103 A86-23491 Interaction of the activity of flexor and extensor motor nuclei during cold tremors p103 A86-23491 The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p392 A86-45319 THERMOREGULATION Hierarchy of control models for temperature regulation p22 A86-10158 Heat sensitivity of the medial preoptic region of the hypothalamus during seasonal adaptation and acclimatization to high ambient temperature	p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 An atropinized heat-stressed rat model: Anticholinergic and anticholinesterase drug potency [AD-A157620] p 6 N86-11832 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] p 68 N86-15904 Man's thermal budget under various climates p 164 N86-21016 Climatic cure on a practical level p 164 N86-21016 Weather sensitivity as discomfort p 165 N86-21025 Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man p 166 N86-21026 Weather and subjective health complications in cardiac patients p 167 N86-21032 Environmental stress after atropine treatment [AD-A161923] p 167 N86-21032 Environmental stress after atropine treatment [AD-A161923] Individual parameters in thermoregulatory control; a review plasma diagnostics [IZF-1985-26] Effects of cold exposure on thermal status of men and women p 285 N86-27874 Study of brain biochemistry during hypothermia p 285 N86-27875 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165014] Thermoregulation after atropine and pralidoxime administration [AD-A16508] p 397 N86-30304 THESAURI Modeling of perception and decision-making processes Immersion cooling - Effect of clothing and skinfold thickness [AD-A163427] p 59 A86-18837 THIOLS Evolution of thiol protective systems in prokaryotes p 307 N86-26966	THROMBOSIS  Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment  P87 A86-20410  Platelet-endothelial function in relation to environmental temperature  [AD-A160744]  P116 N86-18970  THYMUS GLAND  Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content  P106 A86-25660  THYROID GLAND  Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat  A cold thyroid nodule - Statistical data and aeronautical aptitude  P112 A86-24507  Phases of muscular thermogenesis under experimental hyperthyrosis  P373 A86-43425  Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954  [DE85-014695]  P17 N86-11846  Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation)  P174 N86-21126  TIBIA  Correlated light and electron microscopy of the vasculature of cortical bone in rat femora and tibiae  P193 A86-30395  The effects of prostaglandin E2 in growing rats - Increased metaphyseal hard tissue and cortico-endosteal bone formation  P375 A86-43450  TIME  A new hazard function estimator of performance time [AD-A157843]  P42 N86-12971  TIME DEPENDENCE  Changes of flying skills during non-flight periods  P41 A86-13944  Age, degraded viewing environments, and the speed of accommodation  P87 A86-20407  Experimental validation of training regime and a monitoring method connected with accelerated adaptation

SUBJECT INDEX Retention of helicopter flight skills - Is there a 'critical period' for proficiency loss? p 129 A86-23718 Acquisition of perceptual-motor skill - Adaptive and part-whole training p 129 A86-23727
The effects of the contrast, spatial frequency, and temporal frequency of a surrounding field upon the detection thresholds of gratings p 132 A86-26293 Performance overnight in shiftworkers operating a p 179 A86-29095 Systolic blood pressure in fighter pilots after 12-15 years p 250 A86-33762 Timebased analysis of significant coordinated operations (TASCO) - A cockpit workload analysis technique p 268 A86-33810 Displacement thresholds in central and peripheral vision during tracking uring tracking p 378 A86-41782
On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890 TIME FUNCTIONS Development, growth and time --- biological model [CWI-CS-R8516] p 277 N86-26795 TIME LAG Studies of participants in nuclear tests p 38 N86-12964 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 TIME MEASUREMENT Head-up/head-down transition - Measurement of transition times p 186 A86-29092 Is the cerebellum involved in motor and perceptual timing: A case study [AD-A157452] A procedure-based approach to human information processing models [AD-A162454] p 181 N86-21144 TIME SERIES ANALYSIS Normalized predictive deconvolution - A time series algorithm for modeling human operator dynamics p 44 A86-14238 Modified superposition: A simple time series approach to closed-loop manual controller identification p 442 N86-33009 TIME SHARING Can pilots time-share better than non-pilots? D 238 A86-29874 Time-sharing revised - Test of a componential model for the assessment of individual differences p 239 A86-29881 In search of a time-sharing ability in zero input tracking analyzer scores --- of pilot psychomotor performance p 227 A86-29882 Event-related brain potentials and resource allocation From dual-task decrements to dual-task integrality p 261 A86-33820 Voice and manual control in dual task situations

p 262 A86-33826 The effects of syntactic complexity on the human-computer interaction p 271 A86-36172 TISSUES (BIOLOGY)

Laser ablation of human atherosclerotic plaque without adiacent tissue injury p 91 A86-22711 Tissue gas bubble dynamics during hypobaric AXDOSUITAS

[SAE PAPER 851337] p 111 A86-23525 Effects of non weight bearing on callus formation

p 193 A86-30394 Modification of the resting oxygen consumption level of biological body and its tissues, during prolonged hypodynamics exposure p 194 A86-30398 Growth and differentiation of mammalian embryonic

tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400

Tissue culture apparatus for flight experimentation D 201 A86-30444

A bidomain model for the extracellular potential and magnetic field of cardiac tissue agnetic field of cardiac tissue p 206 A86-31224
The effects of prostaglandin E2 in growing rats Increased metaphyseal hard tissue and cortico-endosteal bone formation P 375 A86-43450 How well mixed is inert gas in tissues?

p 391 A86-44197 Intensity of lipid peroxidation in hypokinetic rat tissues p 56 N86-15876

Hematopoiesis in conventional mice after wound

[AD-A160436] p 108 N86-18959 Proceedings: Protons and Membrane Reactions held at Santa Barbara, California on 28 January - 1 February 1985

[AD-A161331] AD-A161331] p 159 N86-22082 Many medical uses foreseen for artificial skin p 220 N86-23245

Multidisciplinary studies on excitatory amino acids as transmitters in the brain

[AD-A164258] D 256 N86-25115 Biosensors from membrane proteins reconstituted in polymerized lipid bilayers (AD-D0121601

D 248 N86-25974 Mechanism of electromagnetic energy effects on the nervous system: Voltage-clamp study

[AD-A164653] p 282 N86-26798 Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964

The organic aerosols of Titan p 298 N86-26852 The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmosphere

p 298 N86-26853 A gas chromatograph experiment for a Titan entry p 299 N86-26856 Exobiological aspects in view of Titan --- Cassini Saturn p 387 N86-28868

TITANIUM ALLOYS Improvement in wear performance of surgical Ti-6Al-4V alloy by ion implantation of nitrogen or carbon [DE85-013986] p 18 N86-11849 TOBACCO

Acute pulmonary effects of formaldehyde exposure in

p 17 N86-11848

[DE85-014728] TOCOPHEROL

The mechanism of the adaptogenic effect of tocopherol in prolonged cold exposure p 414 A86-49367 TOLERANCES (PHYSIOLOGY)

The effect of kallikrein on the development of a general adaptation syndrome p 49 A86-16751 Mechanical resistance of erythrocytes and oxygen mass transport in hypoxic states due to different conditions

p 88 A86-21452 Defense strategies against hypoxia and hypothermia

p 81 A86-22258 Increased resistance of the brain to hypoxia due to a of lithium hydroxybutyrate indomethacine p 81 A86-22548

Methods of regulating the adaptation and resistance processes in navy personnel rocesses in navy personnel p 110 A86-23495
Assessments and viewpoints on the biological and

human health effects of Extremely Low Frequency (ELF) electromagnetic fields: Compilation of commissioned papers for the ELF literature review project [AD-A156942] p 16

AD-A156942] p 16 N86-11839 Health hazard evaluation of liquid monopropellants. Phase 4. Subchronic inhalation of hydroxylammonium nitrate, January 1985

[AD-A157623] p 17 N86-11844 Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878

Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary

[AD-A159512] p 53 N86-14842 Drugs and surfactants used to prevent caisson disease D 54 N86-14868 Man's tolerance to fulminant form of hypoxic hypoxia

Investigation of catecholamine metabolism at high altitudes p 66 N86-15880

Factors which alter human physiological responses during exercise-heat acclimation [AD-Ă160580] p 115 N86-18967

Examination of retinal pattern threshold levels and their ossible effect on computer access control mechanisms [AD-A161213] p 128 N86-19895

Exploratory studies of physiological components of motion sickness: Cardiopulmonary differences between high and low susceptibles

[NASA-CR-176541] p 171 N86-21108 Toxic hazards research unit annual technical report: 1985

[AD-A161558] p 176 N86-22097 The energy cost of combat engineer tasks

[AD-A161861] p 223 N86-24195 Acute toxicity studies on 2 Air Force hydraulic fluids

(MLO 82-233 and MLO 82-585) p 258 N86-25984 The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel

[AD-A1631791 p 258 N86-25985 Human vascular fluid responses to cold stress are not altered by cold acclimation

[AD-A165869] p 398 N86-30305 An environmentally-controlled extended-use small animal hypobaric chamber [AD-A1667291 p 398 N86-30307

A chinchilla restraint system [AD-A167408] p 416 N86-32084

Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life [AD-A168733] p 417 N86-32953

Radiographic determination of mass of inertial tensors of anatomical segments [AD-A168581]

p 425 N86-32961 Effect of dexamethasone on symptoms of acute mountain sickness at Pikes Peak, Colorado (4300m) [AD-A168662] p 425 N86-32963

identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271]

p 108 N86-18957 Chemically induced damage to the hippocampal formation

[NDRE/PUBL-86/1002] p 255 N86-25112

TOMOGRAPHY

In vivo nuclear magnetic resonance imaging [NASA-CR-171928]

p 170 N86-21105 Proposal for a new tomographic device providing information on the chemical properties of a body [DE86-010547] p 425 N86-32964

TOOTH DISEASES

Oral changes in divers working with electrical equipment p 124 N86-19873

**TOPOGRAPHY** 

Selecting color codes for a computer-generated topographic map based on perception experiments and functional requirements p 237 A86-29866

TORQUE

Force/torque display for space teleoperation control experiments and evaluation p 440 N86-33002 TORSION

Effect of weightlessness and some of its models on mechanical properties of animal bones submitted to torsion TORSO

Effects of head and body restraint on experimental motion-induced sickness in squirrel monkeys p 26 A86-14314

Human head/neck/upper-torso model response to dynamic loading p 221 N86-23266 Torso sizing ring construction for hard space suit

[NASA-CASE-ARC-11616-1] p 384 N86-28618

TOUCH

Underlying behavioral parameters of the operation of tough-input devices - Biases, models, and feedback p 98 A86-20110

An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information D 239 A86-29918

Tactual cuing can produce better performance than visual cuing p 239 A86-29920 TOXIC DISEASES

Using Ashford's general model to aid in the understanding of a pesticide's neurotoxic effect through pesticide-drug mixture experiments PB86-1300281 p 226 N86-24211

TOXIC HAZARDS

Canadian developments in aircrew chemical defence protection p 97 A86-19342 Topical hazard evaluation program of Candidate Insect repellent Al3-35770 Hexahydro-1-( (2-Methylcyclohexyl) Carbonyl)-1-H-Azepine

[AD-A158386] p 68 N86-15903 Effects of carbon monoxide on personnel

[AD-P0048821 p 163 N86-20628 What in human biometeorology can contribute to

assessment of the effects of hazardous substances on health? p 168 N86-21043 Toxic hazards research unit annual technical report:

1985 [AD-A161558] p 176 N86-22097

TOXICITY

Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761

Health hazard evaluation of liquid monopropellants. Phase 5: Comparative inhalation toxicities of LGP 1776, LGP 1845, and HAN (hydroxylammonium nitrate) [AD-A1590901

Identification and quantification of the water-soluble components of JP-4 and a determination of their biological

effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957 Characteristics of effects of microbiological means of

plant protection on organism p 109 N86-19829 The absorption of benzene through human skin [AD-A161157] p 127 N86-19894

Studies on the mechanism of suppression of the immune esponse by synthetic, non-toxic adjuvants [AD-A1624441 p 160 N86-22085

	Totale stands seedless toolstone	As we see that the second seco
Acute toxicity studies on 2 Air Force hydraulic fluids	Training aircraft accident investigators using simulations p 233 A86-29928	Modified superposition: A simple time series approach
(MLO 82-233 and MLO 82-585) [AD-A163174] p 258 N86-25984	·	to closed-loop manual controller identification
The experimental determination of safe atmospheric	Psychological and physiological stress reactions among sports diver-students p 124 N86-19875	p 442 N86-33009 TRANSFER OF TRAINING
exposure concentrations of JP-10 jet fuel	Human Factors Review Plan	Acquisition of perceptual-motor skill - Adaptive and
[AD-A163179] p 258 N86-25985	[DE86-010561] p 444 N86-33023	part-whole training p 129 A86-23727
Toxicological study of NTO	TRAINING DEVICES	Part-training strategies in simulated carrier landing final
[DE86-003296] p 258 N86-25986	Knowing what we get from training devices - Substituting	approach training p 131 A86-23749
Acute oral toxicity (LD50) of guanidine hydrochloride in	a little arithmetic for a measure of emotion	The effects of psychophysical matching on the transfer
rats	p 232 A86-29921	of training between alternative motion simulators
[AD-A165747] p 376 N86-28608	Air Force uses computer lessons to train instructors,	p 232 A86-29919
Evaluation of water sterilizing tablets	flight crews p 382 A86-41799	Principles of instruction for successful assembly and
[AD-A165806] p 385 N86-28622	The influence of tactual seat-motion cues on training	repair
TOXICOLOGY	and performance in a roll-axis compensatory tracking task	[AD-A161280] p 180 N86-21142
USAF toxicology research on petroleum and	setting p 22 N86-10784	TRANSFUSION
shale-derived aviation gas turbine fuels	Performance measurement guidelines for research	Forward field autotransfusion device
[ASME PAPER 85-GT-34] p 80 A86-22023	[AD-A159055] p 71 N86-14891	[AD-D011763] p 37 N86-12957
Assessments and viewpoints on the biological and	Principles of instruction for successful assembly and	TRANSIENT RESPONSE
human health effects of Extremely Low Frequency (ELF)	repair	Comparison of transient and steady state cortical evoked
electromagnetic fields: Compilation of commissioned papers for the ELF literature review project	[AD-A161280] p 180 N86-21142	potentials p 183 A86-28431
[AD-A156942] p 16 N86-11839	Development of a computer-managed readiness assessment system	TRANSLATIONAL MOTION
Chemical characterization and toxicologic evaluation of	[AD-A162931] p 236 N86-24215	An integrated display for vertical and translational flight
airborne mixtures: Tumorigenicity studies of Diesel Fuel-2,	TRAINING EVALUATION	Eight factors affecting pilot performance
Red Smoke Dye and Violet Smoke Dyes in the SENCAR	Naval Training Command mishaps and instructor	p 264 A86-36175
Mouse Skin Turnorigenesis Bioassay System	experience p 94 A86-20409	TRANSMISSION LOSS
[AD-A159728] p 114 N86-18962	Experimental validation of training regime and a	Methods of measuring the attenuation of hearing protection devices p 406 A86-45073
Toxicological evaluation of gas emission from	monitoring method connected with accelerated adaptation	·
heat-stable tetrafluoroethylene-based polymers when	to heat p 88 A86-22524	TRANSMITTER RECEIVERS
heated p 175 N86-21131	Acquisition of perceptual-motor skill - Adaptive and	Remote sensing of body signs and signatures [AD-A162106] p 224 N86-24199
Isotopic study of the inhalation toxicology of oxidants	part-whole training p 129 A86-23727	
[PB86-109485] p 256 N86-25116	Knowing what we get from training devices - Substituting	TRANSOCEANIC FLIGHT  Disturbance of the multiperiodic synchronization of the
The prediction of biological activity using molecular	a little arithmetic for a measure of emotion	Disturbance of the multiperiodic synchronization of the heart-beat and respiratory rhythms after transmeridian
connectivity indices	p 232 A86-29921	
[AD-A166986] p 394 N86-31208	A case for realistic training of flight crews	• •
TOXINS AND ANTITOXINS	[SAE PAPER 851915] p 264 A86-35445	TRANSPIRATION
Study of toxic and antigenic structures of botulinum	Realistic training for effective crew performance	Wheat response to CO2 enrichment: CO2 exchanges transpiration and mineral uptakes p 152 N86-19932
neurotoxins	[SAE PAPER 851916] p 264 A86-35446	TRANSPLANTATION
[AD-A156642] p 29 N86-13880	The case for training for the potentially catastrophic	
Development of vaccines to the mycotoxin T-2 [AD-A158544] p 63 N86-14877	situation	Diseases in CEMA countries p 211 N86-23252
Metabolism of T-2 mycotoxin by cultured cells	[SAE PAPER 851917] p 264 A86-35447	TRANSPORT AIRCRAFT
[AD-A159678] p 107 N86-18951	Experience and performance in video games and its influence on aptitude tests in aviation psychology	Alerted monitors: Human operators aided by automated
Immunomodulation by proteins of bordetella pertussis	[DFVLR-FB-85-43] p 73 N86-15915	detectors [PB85-222750] p 47 N86-13906
[AD-A160078] p 107 N86-18953	Instructions for flight crew members and flight crew	- ,
Glucocorticoid antagonism by endotoxin: Biological	training and examination guidelines of the West German	Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground
effects during stress and basis for inhibition of	Federal Board of Transport	simulator
phosphoenolpyruvate carboxykinase	[REPT-1] p 95 N86-17985	[DFVLR-MITT-86-01] p 429 N86-32975
[AD-A160740] p 116 N86-18969		· · · · · · · · · · · · · · · · · · ·
[AD-A160740] p 116 N86-18969 Potential for cross-reactive protection using peptides	Development of a computer-managed readiness assessment system	TRANSPORT PROPERTIES
	Development of a computer-managed readiness	TRANSPORT PROPERTIES Indices of blood oxygen transporting properties and
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826	Development of a computer-managed readiness assessment system	TRANSPORT PROPERTIES Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215	TRANSPORT PROPERTIES Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830	TRANSPORT PROPERTIES Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots	TRANSPORT PROPERTIES Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761 TRANSPORTER
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324	TRANSPORT PROPERTIES Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761 TRANSPORTER Research animal stanchion and transporter
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules  [AD-A160360] p 108 N86-19826  Cloning and analysis of genes for anthrax toxin components  [AD-A161901] p 212 N86-24186  Identification of vaccine resistant isolates of bacillus anthracis	Development of a computer-managed readiness assessment system  [AD-A162931] p 236 N86-24215  Changes in Naval Aviation Basic Instrument flight training: An analysis  [AD-A164738] p 291 N86-26830  Physical training of Mirage 2000 pilots	TRANSPORT PROPERTIES Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p. 248 N86-25110
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground	TRANSPORT PROPERTIES Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator	TRANSPORT PROPERTIES Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p.248 N86-25110  TRAYS Design and production of damage-resistant tray pack
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS Trace elements in chemical evolution. I. II - Synthesis	Development of a computer-managed readiness assessment system  [AD-A162931] p 236 N86-24215  Changes in Naval Aviation Basic Instrument flight training: An analysis  [AD-A164738] p 291 N86-26830  Physical training of Mirage 2000 pilots	TRANSPORT PROPERTIES Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure  p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules  [AD-A160360] p 108 N86-19826  Cloning and analysis of genes for anthrax toxin components  [AD-A161901] p 212 N86-24186  Identification of vaccine resistant isolates of bacillus anthracis  [AD-A162002] p 212 N86-24187  TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER  Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS  Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187  TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training; An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning	TRANSPORT PROPERTIES Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA	Development of a computer-managed readiness assessment system  [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis  [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator  [DFVLR-MITT-86-01] p 429 N86-32975  TRAINING SIMULATORS  Simulator instructor task loading - The tide is turning p 233 A86-30362	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER  Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS  Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA Correlation of constant flow rate with frequency	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p.248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p.294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p.122 N86-19859
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p.248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p.294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187  TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722  TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the	Development of a computer-managed readiness assessment system  [AD-A162931] p 236 N86-24215  Changes in Naval Aviation Basic Instrument flight training: An analysis  [AD-A164738] p 291 N86-26830  Physical training of Mirage 2000 pilots  p 401 N86-30324  Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator  [DFVLR-MITT-86-01] p 429 N86-32975  TRAINING SIMULATORS  Simulator instructor task loading - The tide is turning p 233 A86-30362  Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796  Research on the specification and acquisition of	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5. N86-10761  TRANSPORTER  Research animal stanchion and transporter [AD-A163907] p. 248 N86-25110  TRAYS  Design and production of damage-resistant tray pack containers [AD-A164595] p. 294 N86-26837  TREMORS  Some dominant frequencies of postural tremor are lower at 31 bar p. 122 N86-19859  TRIMETHYL COMPOUNDS
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187  TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722  TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p. 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p. 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p. 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Assessment of individual human exposures to ozone	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure  p 5 N86-10761  TRANSPORTER  Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS  Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS  Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS  Chemically induced damage to the hippocampal formation
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187  TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722  TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223  Assessment of individual human exposures to ozone in a health study	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITI-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p. 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p. 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p. 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-96/1002] p. 255 N86-25112
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187  TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722  TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223  Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refuelling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p.248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p.294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p.122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p.255 N86-25112
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Assessment of individual human exposures to ozone in a health study [P885-245975] p 94 N86-17984 TRACKING (POSITION)	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure  p 5 N86-10761  TRANSPORTER  Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS  Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS  Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITUM  Tritium ingestion in rats p 58 N86-15895
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984 TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refuelling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure  p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PBL-86/1002] p 255 N86-25112  TRITIUM Tritium ingestion in rats p 58 N86-15895
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187  TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722  TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea  Assessment of individual human exposures to ozone in a health study [P885-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS  Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors,	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p.248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p.294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p.122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p.255 N86-25112  TRITIUM Tritium ingestion in rats p.58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes,
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187  TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722  TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223  Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS  Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p. 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A16495] p. 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p. 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p. 255 N86-25112  TRITIUM Tritium ingestion in rats p. 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea  Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867  In search of a time-sharing ability in zero input tracking analyzer scores of pilot psychomotor performance	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure  p 5 N86-10761  TRANSPORTER  Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS  Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS  Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS  Chemically induced damage to the hippocampal formation [NDRE/PUBL-96/1002] p 255 N86-25112  TRITIUM  Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN  The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984 TRACKING (POSTION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS  Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323  Effect of cold on brain serotonin system and plasma
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223  Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867  In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29822  Tactual cuing can produce better performance than visual cuing p 239 A86-29920	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS  Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refuelling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-4079 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p. 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p. 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p. 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p. 255 N86-25112  TRITIUM Tritium ingestion in rats p. 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p. 105 A86-24323 Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187  TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722  TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223  Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867  In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29822  Tactual cuing can produce better performance than visual cuing p 239 A86-29920  Feature positive coding effects on object localization	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure  p 5 N86-10761  TRANSPORTER  Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS  Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS  Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM  Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN  The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p 5 N86-10766
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-3123 Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29882  Tactual cuing can produce better performance than visual cuing p 239 A86-29980  Feature positive coding effects on object localization p 267 A86-33789	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS  Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure  p 5 N86-10761  TRANSPORTER  Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS  Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS  Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM  Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN  The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice  p 5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984 TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29822 Tactual cuing can produce better performance than visual cuing p 239 A86-29920 Feature positive coding effects on object localization p 267 A86-33789 Hesitations in continuous tracking induced by a	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-3823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] p 277 N86-27864	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure  p 5 N86-10761  TRANSPORTER  Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS  Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS  Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM  Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN  The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice  p 5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p 385 N86-29509
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29882  Tactual cuing can produce better performance than visual cuing p 239 A86-29920  Feature positive coding effects on object localization p 267 A86-33789 Hesitations in continuous tracking induced by a concurrent discrete task	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] p 277 N86-27864	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p.248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p.294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p.122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-96/1002] p.255 N86-25112  TRITIUM Tritium ingestion in rats p.58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p.105 A86-24323  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p.5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NAS-CR-177003] p.385 N86-29509
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea  Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867  In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance than visual cuing can produce better performance than visual cuing can produce better performance than visual cuing can produce better performance than visual cuing in continuous tracking induced by a concurrent discrete task [NASA-CR-177019] p 382 N86-29503	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 2 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] p 277 N86-27864 TRAJECTORIES Judgments of natural and anomalous trajectories in the	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure  p 5 N86-10761  TRANSPORTER  Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS  Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS  Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM  Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN  The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice  p 5 N88-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p 385 N86-29509  TUMORS  Calcified hematoma of the greater omentum in an F-15
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223  Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867  In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29882  Tactual cuing can produce better performance than visual cuing p 239 A86-29900  Feature positive coding effects on object localization p 267 A86-33789  Hesitations in continuous tracking induced by a concurrent discrete task [NASA-CR-177019] p 382 N86-29503  Computer analysis of visual and vestibular oculomotor	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] p 277 N86-27864 TRAJECTORIES Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure  p 5 N86-10761  TRANSPORTER  Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS  Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS  Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM  Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN  The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice  p 5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p 385 N86-29509  TUMORS  Calcified hematoma of the greater omentum in an F-15 fighter pilot
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223  Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29882  Tactual cuing can produce better performance than visual cuing p 239 A86-29820  Feature positive coding effects on object localization p 267 A86-39789  Hesitations in continuous tracking induced by a concurrent discrete task [NASA-CR-177019] p 382 N86-29503  Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 2 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] p 277 N86-27864 TRAJECTORIES Judgments of natural and anomalous trajectories in the	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p. 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p. 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p. 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p. 255 N86-25112  TRITIUM Tritium ingestion in rats p. 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p. 105 A86-24323  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p. 5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p. 385 N86-29509  TUMORS Calcified hematoma of the greater omentum in an F-15 fighter pilot p. 9 A86-10262 Quantitative models describing the kinetics of tumor cell
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187  TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722  TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223  Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867  In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance than visual cuing p 239 A86-29920  Tactual cuing can produce better performance than visual cuing p 239 A86-29920  Feature positive coding effects on object localization p 267 A86-33789  Hesitations in continuous tracking induced by a concurrent discrete task [NASA-CR-177019] p 382 N86-29503  Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] P 277 N86-27864 TRAJECTORIES Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 The beginnings of airborne weightlessness research	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24523  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p 5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p 385 N86-29509  TUMORS Calcified hematoma of the greater omentum in an F-15 fighter pilot p 9 A86-10262 Quantitative models describing the kinetics of tumor cell proliferation: A comparison to experimental data
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A161901] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223  Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867  In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29882  Tactual cuing can produce better performance than visual cuing p 239 A86-29900  Feature positive coding effects on object localization p 267 A86-33789  Hesitations in continuous tracking induced by a concurrent discrete task [NASA-CR-177019] p 382 N86-29503  Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 2 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] p 277 N86-27864 TRAJECTORIES  Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-18962 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p 5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p 385 N86-29509  TUMORS  Calcified hematoma of the greater omentum in an F-15 fighter pilot p 9 A86-10262  Quantitative models describing the kinetics of tumor cell proliferation: A comparison to experimental data [CWI-AM-R8418] p 53 N88-14844
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984 TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29820 Feature positive coding effects on object localization p 267 A86-33789 Hesitations in continuous tracking induced by a concurrent discrete task [NASA-CR-177019] p 382 N86-29503 Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319 TRAINING AIRCRAFT Knowing what we get from training devices - Substituting	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness  P 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6 [NASA-CTORIES] Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 The beginnings of airborne weightlessness research [AD-A160575] TRAJECTORY CONTROL On-orbit manipulators - Sensory and control approacches	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p.5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p. 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p. 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p. 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p. 255 N86-25112  TRITIUM Tritium ingestion in rats p. 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p. 105 A86-24323  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p. 5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p. 385 N86-29509  TUMORS Calcified hematoma of the greater omentum in an F-15 fighter pilot p. 53 N86-10262  Quantitative models describing the kinetics of tumor cell proliferation: A comparison to experimental data [CWI-AM-R8418] p. 53 N86-14844  Chemical characterization and toxicologic evaluation of
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223  Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867  In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29882  Tactual cuing can produce better performance than visual cuing p 239 A86-29920  Feature positive coding effects on object localization p 267 A86-33789  Hesitations in continuous tracking induced by a concurrent discrete task  [NASA-CR-177019] p 382 N86-29503  Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319  TRAINING AIRCRAFT  Knowing what we get from training devices - Substituting a little arithmetic for a measure of emotion	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-3823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] p 277 N86-27864 TRAJECTORIES  Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-18922 The beginnings of airborne weightlessness research (AD-A160575) p 115 N86-18966 TRAJECTORIY CONTROL On-orbit manipulators - Sensory and control approaches [AIAA PAPER 86-2185] p 429 A86-47467	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24523  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p 5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p 385 N86-29509  TUMORS Calcified hematoma of the greater omentum in an F-15 fighter pilot p 9 A86-10262 Quantitative models describing the kinetics of turnor cell proliferation: A comparison to experimental data [CWI-AM-R8418] p 53 N86-14844 Chemical characterization and toxicologic evaluation of airborne mixtures: Tumorigenicity studies of Diesel Fuel-2, and a propertices and subjective and subjective and subjective and subjective appears of tumor cell proliferation: A comparison to experimental data [CWI-AM-R8418] p 53 N86-14844 Chemical characterization and toxicologic evaluation of airborne mixtures: Tumorigenicity studies of Diesel Fuel-2, air properties and properticity studies of Diesel Fuel-2
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984 TRACKING (POSTION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance than visual cuing p 239 A86-29822 Tactual cuing can produce better performance than visual cuing p 239 A86-29920 Feature positive coding effects on object localization p 267 A86-33789 Hesitations in continuous tracking induced by a concurrent discrete task [NASA-CR-177019] p 382 N86-29503 Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319 TRAINING AIRCRAFT Knowing what we get from training devices - Substituting a little arithmetic for a measure of emotion p 232 A86-29921	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure  USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] p 277 N86-27864 TRAJECTORIES  Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 The beginnings of airborne weightlessness research [AD-A160575] TRAJECTORIPS  [AIAA PAPER 86-2185] p 429 A86-47467 TRANSFER FUNCTIONS	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p 5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p 385 N86-29509  TUMORS  Calcified hematoma of the greater omentum in an F-15 fighter pilot p 9 A86-10262  Quantitative models describing the kinetics of tumor cell proliferation: A comparison to experimental data [CWI-AM-R8418] p 53 N86-14844  Chemical characterization and toxicologic evaluation of airborne mixtures: Tumorigenicity studies of Diesel Fuel-2, Red Smoke Dye and Violet Smoke Dyes in the SENCAR
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984 TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29882  Tactual cuing can produce better performance than visual cuing p 239 A86-29920 Feature positive coding effects on object localization p 267 A86-33789 Hesitations in continuous tracking induced by a concurrent discrete task [NASA-CR-177019] p 382 N86-29503 Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319 TRAINING AIRCRAFT Knowing what we get from training devices - Substituting a little arithmetic for a measure of emotion p 232 A86-29921	Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975 TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness  p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] p 277 N86-27864 TRAJECTORIES Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966 TRAJECTORIES Judgments of manipulators - Sensory and control approaches [AIAA PAPER 86-2185] p 429 A86-47467 TRANSFER FUNCTIONS Visual-contrast measurement - Measurement of the	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-96/1002] p 255 N86-25112  TRITIUM Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p 5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p 385 N86-29509  TUMORS Calcified hematoma of the greater omentum in an F-15 fighter pilot p 9 A86-10262  Quantitative models describing the kinetics of tumor cell proliferation: A comparison to experimental data [CWI-AM-R8418] p 53 N86-106262  Red Smoke Dye and Violet Smoke Dyes in the SENCAR Mouse Skin Tumorigenicsity Budies of Diesel Fuel-2, Red Smoke Dye and Violet Smoke Dyes in the SENCAR Mouse Skin Tumorigenicsity Budies of Diesel Fuel-2, Red Smoke Dye and Violet Smoke Dyes in the SENCAR
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules (AD-A160360) p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components (AD-A161901) p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis (AD-A162002) p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223  Assessment of individual human exposures to ozone in a health study (PB85-245975) p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29882  Tactual cuing can produce better performance than visual cuing p 239 A86-29920  Feature positive coding effects on object localization p 267 A86-33789 Hesitations in continuous tracking induced by a concurrent discrete task [NASA-CR-177019] p 382 N86-29503  Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319  TRAINING AIRCRAFT  Knowing what we get from training devices - Substituting a little arithmetic for a measure of emotion p 232 A86-29921	Development of a computer-managed readiness assessment system  [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975  TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-3823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] p 277 N86-27864 TRAJECTORIES  Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 The beginnings of airborne weightlessness research (AD-A160575) p 115 N86-18966 TRAJECTORIY CONTROL On-orbit manipulators - Sensory and control approaches [AIAA PAPER 86-2185] p 429 A86-47467 TRANSFER FUNCTIONS Visual-contrast measurement - Measurement of the spatial transfer functions of the visual system Russian	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323 Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p 5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p 385 N86-29509  TUMORS Calcified hematoma of the greater omentum in an F-15 fighter pilot p 9 A86-10262 Quantitative models describing the kinetics of tumor cell proliferation: A comparison to experimental data [CWI-AM-R8418] p 53 N86-14844 Chemical characterization and toxicologic evaluation of airborne mixtures: Tumorigenicity studies of Diesel Fuel-2, Red Smoke Dye and Violet Smoke Dyes in the SENCAR Mouse Skin Tumorigenesis Bioassay System [AD-A159728] p 114 N86-18962
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components [AD-A161901] p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-3123 Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984  TRACKING (POSTION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29820 In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance than visual cuing p 239 A86-29982  Tactual cuing can produce better performance than visual cuing p 239 A86-29980  Feature positive coding effects on object localization p 267 A86-33789 Hesitations in continuous tracking induced by a concurrent discrete task [NASA-CR-177019] p 382 N86-29503  Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319  TRAINING AIRCRAFT  Knowing what we get from training devices - Substituting a little arithmetic for a measure of emotion p 232 A86-29921  TRAINING ANALYSIS  An evaluation of aviator training ability requirements scale ratings p 128 A86-23715	Development of a computer-managed readiness assessment system  [AD-A162931] p 236 N86-24215  Changes in Naval Aviation Basic Instrument flight training: An analysis  [AD-A164738] p 291 N86-26830  Physical training of Mirage 2000 pilots p 401 N86-30324  Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator  [DFVLR-MITT-86-01] p 429 N86-32975  TRAINING SIMULATORS  Simulator instructor task loading - The tide is turning p 233 A86-30362  Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796  Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823  Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479  Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799  The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784  Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813  USSR Space Life Sciences Digest, Issue 6  [NASA-CR-3922(07)] p 277 N86-27864  TRAJECTORIES  Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922  The beginnings of airborne weightlessness research [AD-A160575]  TRAJECTORIES  Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922  The beginnings of airborne weightlessness research [AD-A160575]  TRAJECTORIES  Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922  The beginnings of airborne weightlessness research [AD-A160575]  TRAJECTORIES  Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922  The beginnings of airborne weightlessness research [AD-A160575]  TRAJECTORIES  Judgments of natural and anom	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A16495] p 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323  Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p 5 N88-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p 385 N86-29509  TUMORS Calcified hematoma of the greater omentum in an F-15 fighter pilot p 9 A86-10262  Quantitative models describing the kinetics of tumor cell proliferation: A comparison to experimental data [CWI-AM-R8418] p 53 N86-14844  Chemical characterization and toxicologic evaluation of airborne mixtures: Tumorigenicity studies of Diesel Fuel-2, Red Smoke Dye and Violet Smoke Dyes in the SENCAR Mouse Skin Tumorigenesis Bioassay System [AD-A159728]  TURNING FLIGHT
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules (AD-A160360) p 108 N86-19826 Cloning and analysis of genes for anthrax toxin components (AD-A161901) p 212 N86-24186 Identification of vaccine resistant isolates of bacillus anthracis (AD-A162002) p 212 N86-24187 TRACE ELEMENTS  Trace elements in chemical evolution. I. II - Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 TRACHEA  Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223  Assessment of individual human exposures to ozone in a health study (PB85-245975) p 94 N86-17984  TRACKING (POSITION)  Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 In search of a time-sharing ability in zero input tracking analyzer scores — of pilot psychomotor performance p 227 A86-29882  Tactual cuing can produce better performance than visual cuing p 239 A86-29920  Feature positive coding effects on object localization p 267 A86-33789 Hesitations in continuous tracking induced by a concurrent discrete task [NASA-CR-177019] p 382 N86-29503  Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew members p 400 N86-30319  TRAINING AIRCRAFT  Knowing what we get from training devices - Substituting a little arithmetic for a measure of emotion p 232 A86-29921	Development of a computer-managed readiness assessment system  [AD-A162931] p 236 N86-24215 Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 Physical training of Mirage 2000 pilots p 401 N86-30324 Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975  TRAINING SIMULATORS Simulator instructor task loading - The tide is turning p 233 A86-30362 Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796 Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-3823 Relationships among aircrew performance measures for evaluating flight simulator training effectiveness p 381 A86-40479 Air Force uses computer lessons to train instructors, flight crews p 382 A86-41799 The influence of tactual seat-motion cues on training and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813 USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] p 277 N86-27864 TRAJECTORIES  Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 The beginnings of airborne weightlessness research (AD-A160575) p 115 N86-18966 TRAJECTORIY CONTROL On-orbit manipulators - Sensory and control approaches [AIAA PAPER 86-2185] p 429 A86-47467 TRANSFER FUNCTIONS Visual-contrast measurement - Measurement of the spatial transfer functions of the visual system Russian	Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761  TRANSPORTER Research animal stanchion and transporter [AD-A163907] p 248 N86-25110  TRAYS Design and production of damage-resistant tray pack containers [AD-A164595] p 294 N86-26837  TREMORS Some dominant frequencies of postural tremor are lower at 31 bar p 122 N86-19859  TRIMETHYL COMPOUNDS Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  TRITIUM Tritium ingestion in rats p 58 N86-15895  TRYPTOPHAN The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323 Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p 5 N86-10766  Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior [NASA-CR-177003] p 385 N86-29509  TUMORS Calcified hematoma of the greater omentum in an F-15 fighter pilot p 9 A86-10262 Quantitative models describing the kinetics of tumor cell proliferation: A comparison to experimental data [CWI-AM-R8418] p 53 N86-14844 Chemical characterization and toxicologic evaluation of airborne mixtures: Tumorigenicity studies of Diesel Fuel-2, Red Smoke Dye and Violet Smoke Dyes in the SENCAR Mouse Skin Tumorigenesis Bioassay System [AD-A159728] p 114 N86-18962

How does skeletal muscle effectively function both in

Use of tyrosine or foods to amplify catecholamine

the case of posture maintenance and twitch movements? p 105 A86-24308

**TWITCHING** 

TYROSINE

Person computer dialogue: A human engineering data

base supplement

[AD-A160274]	p 10	
Development and use of anucle	ated ba	cterial cells to
assay the in vivo activity of pollutar [AD-A162727]		0 NOC 00000
Effects of consuming various for	p 16	
objective and subjective aspects of	ous air	o novients on
and behavior		· ponomiano
[NASA-CR-177003]	p 38	5 N86-29509
U		
_		
U.S.S.R.		
USSR report: Life sciences. Bior	nedical a	and behavioral
sciences [JPRS-UBB-85-004]	p 54	4 N86-14845
USSR report: Life sciences. Bion		
sciences	rouiour (	and bondylora
[JPRS-UBB-85-024]	p 64	N86-14885
USSR Space Life Sciences Dige:		
[NASA-CR-3922(03)] USSR report: Life sciences. Bion	p 10€	
sciences	HECHCAL &	ind benavioral
[JPRS-UBB-86-002]	p 209	N86-23222
USSR report: Life sciences. Bion	nedical a	and behavioral
sciences [JPRS-UBB-86-004]	- 044	
USSR Space Life Sciences Dige	p 212	N86-23258
[NASA-CR-3922(06)]	s: muex p 248	
USSR Space Life Sciences Diges	st. Issue	6
[NASA-CR-3922(07)]	p 277	N86-27864
US monkey and rat experiments	flown	on the Soviet
Satellite Cosmos 1514 [NASA-TM-88223]	0.275	NOC OCCO
USSR Space Life Sciences Diges	p375 diseue	
[NASA-CR-3922(08)]	p 416	
U.S.S.R. SPACE PROGRAM		
Vectorcardiographic studies during space project		
ULCERS	p 251	A86-35288
Gastric and duodenal ulcers and	the fli	aht fitness of
pilots	p 113	A86-24509
Review of duodenal and gastric u [AD-A160919]		
ULTRASONIC RADIATION	p 117	N86-18977
A study of the effect of ultrasor	und on	the antigenic
activity of human erythrocytes	p 254	A86-36495
ULTRASONIC SCANNERS Cutting head for ultrasonic lithotri		
[NASA-CASE-GSC-12944-1]	psy p126	N86-19885
ULTRASONICS	p .20	1100-13003
Informativeness of echo	signal	in pulsed
ultrasonography of the brain (with u	se of mo p 66	
Ultrasonic quantification of blood	volume	redistribution
under hypergravity		
[AD-A164379] Somatosensory and auditory per	p 257	N86-25982
study using focused ultrasound	ception p 285	N86-27876
ULTRAVIOLET ABSORPTION		
Carbon disside auditable	sm in s	ubmariners:
Carbon dioxide, sunlight and abso	rption c	onsiderations
ULTRAVIOLET LASERS		N86-30306
Covalent crosslinks between filam	ents in l	DNA induced
by laser ULTRAVIOLET RADIATION	p 109	N86-19839
Panspermia - A modern astroph	veical a	nd hiological
approach	p 296	AR6-38143
Somatic cell and molecular geneti	cs appr	each to DNA
repair and mutagenesis [DE85-014181]	- 4	NIDE 40707
Radiation induction of cancer of the	p4 neskin	N86-10737
[DE86-002201]	p 221	
Origin of life and iron-rich clays Biosynthetic porphyrins and	p 300	
photosynthesis and	the p 306	origin of
Prospects for using ultraviolet ra-	ا diation	N86-26894 n long-term
spaceriignts	n 285	N86-27870
Effect of different doses of ultraviole levels in man	et radiati	on on vitamin
A A A A A A A A A A A A A A A A A A A	p 20/	N86-27893

UNCONSCIOUSNESS

head for trouble

disorder and syncope

Inflight loss of consciousness. II

EEG studies in episodic unconsciousness, seizure

G-induced loss of consciousness - Combat aircraft pilots

p 12 A86-12434 p 58 A86-18548

p 396 A86-44814

UNDERWATER BREATHING APPAR	RATUS	
Pilot underwater high pressure system	emerger	ncy breathing
Performance comparison of thirt	p97 v.two-s	tene demend
regulators underwater breathing	apparatu	18
[ARE(M6)-TM-83818]  Design guidelines for carbon dioxi A	p 99 de scrub	N86-17987 bers, revision
[AD-A160181]	p 147	N86-18989
UNDERWATER ENGINEERING	-	
Oral changes in divers working wit under water	h electric	al equipment
UNDERWATER PHYSIOLOGY	p 124	
Electrocardiographic changes in se sickness	erious de	compression
[AD-A160944]	p 2	A86-10254
The Eleventh Annual Meeting of th	e Europe	on I Indones
Biomedical Society (EUBS) on Div Medicine	ing and	Hyperbaric
[FOA-C-50021-H1]	p 121	N86-19854
Diver response to hot water loss a 300 meters: Experimental observa	it depths	greater than
Interpretation	n 121	MRS.100EE
Comparison of bradycardia breat nondivers: Its importance for the ca	h-hold o	n divers and
	D 122	N86-19863
High pressure oxygen (OHP) induc	ed incre	age of conum
prolactin is not due to a dope blockade	n 123	N86_10867
Psychological and physiological st	ress reac	tions among
sports diver-students An appraisal of dive profiles in	p 124 shallfish	N86-19875
reference to the risk of decompress	ion sickn	ess
Ultrasonic detection of circulating	p 125	N86-19879
exposed to simulated dives deeper	than 900	mou under
isobaric conditions and with unchang	ged gas	mixtures
UNDERWATER TESTS	-	N86-19882
Excursion limits in shallow was diving		
UNDERWATER VEHICLES	p 125	N86-19877
Research issues in teleoperator sy		
UNITED KINGDOM	p 143	
A survey of speech audiometry in	the Nat	ional Health
Service [NPL-AC-105]	p 221	N86-23267
UNITED STATES	•	
Human factors engineering and op- of electronic warfare spaces aboard	erability i	n the design
combatants	United 8	States Naval
[AD-A162251]	p 243	N86-24222
US monkey and rat experiments Satellite Cosmos 1514	flown or	the Soviet
[NASA-TM-88223]	p 375	N86-28606
UNIVERSITIES  Energy expenditure and activity p	atterns d	of carlete at
the United States Military Academy	, West	Point, New
York [AD-A157857]		N86-12960
UNLOADING		
Responses of skeletal muscle to u	nloading	· A review
UNSTEADY FLOW		A86-30379
Unsteady blood flow in humans und	er artificia	al conditions
Russian book UNSTEADY STATE	p 33	A86-15443
Manual control of unstable systems		
URBAN PLANNING	p 441	N86-33008
Problems of city planning		teorological
parameters Problems in city climate eva		N86-21049
biometeorological terms		n numan N86-21050
UREAS	-	
Effects of NO3(-) and NH4(+) and uptake and incorporation		each other's N86-19933
URINALYSIS	عن، ب	1100-19933

Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with

Proteinuria in fighter pilots after high  $\,+\,\mathrm{Gz}$  exposure

Urinary and hematological indices of hypohydration

Information requirements determination: An empirical

A measure of usability --- of man-machine systems

investigation of obstacles within an individual

Catalytic distillation water recovery subsystem

p 34 A86-15520

p 113 A86-25653

p 99 N86-16902

p 289 N86-27917

D 433 A86-47775

p 46 N86-13901

different occupations

[NASA-CR-177382]

USER REQUIREMENTS

[AD-A165015]

[AD-A158025]

```
[AD-A163074]
                                        p 243 N86-24223
     Making the human-machine interface responsive to
             ses of users
   many clas
   [DE86-003453]
                                        p 409 N86-31222
     Striving for natural usage
   [DE86-009402]
                                        p 435 N86-32105
 UTILITY AIRCRAFT
     Development of a computer-managed readiness
   assessment system
   [AD-A162931]
                                        p 236 N86-24215
 VACCINES
     Development of vaccines to the mycotoxin T-2
   [AD-A158544]
                                        p 63 N86-14877
    Investigation of reactogenic and antigenic activity of
   chromatographically purified, concentrated and inactivated
   dry vaccine against tick borne encephalitis
                                       p 119 N86-19837
     Artificial vaccines and stimulation of immunity
                                       p 219 N86-23238
     Artificial antigens, vaccines reviewed
                                       p 219 N86-23239
    Fab-fragment of heterologic immunoglobulin for flu
   prophylaxis and treatment
                                       p 219 N86-23241
    Description of preparation of capsular antigen isolated om yersinia pestis strain EV p 219 N86-23242
   from yersinia pestis strain EV
    Study of cell-wall antigen determinants in ribosomal
  preparations of group a streptococcus
                                       p 220 N86-23243
    Vaccine Proteins R and D on Salyut-7
    p 220 N86-23256 Identification of vaccine resistant isolates of bacillus
   anthracis
  [AD-A162002]
                                       p 212 N86-24187
VACUUM
    Can plants grow in quasi-vacuum?
                                       p 152 N86-19931
VACUUM CHAMBERS
    An environmentally-controlled extended-use small
  animal hypobaric chamber
   AD-A1667291
                                       p 398 N86-30307
VALVES
    An engineering test and evaluation of several new anti-G
  valves --- for high performance fighter aircraft
                                       p 430 A86-47734
    Forward field autotransfusion device
                                        p 37 N86-12957
VAPOR BARRIER CLOTHING
    Heat transfer in impermeable clothing: Sweat plays a
  role after all
  [IZF-1985-91
                                       p 100 N86-17992
VAPOR PHASES
  Laser kinetic spectroscopy of unimolecular and bimolecular processes in the gas phase [AD-A166998] p 394 N86-31209
                                       p 394 N86-31209
VAPOR PRESSURE
    Phase change water processing for Space Station
  [SAE PAPER 851346]
                                       p 139 A86-23532
VAPORS
    Health hazard evaluation of liquid monopropellants.
  Phase 5: Comparative inhalation toxicities of LGP 1776,
  LGP 1845, and HAN (hydroxylammonium nitrate)
 [AD-A159090]
                                       p 40 N86-13891
    A model of inhaled gas and vapor transport in the human
 [AD-A160829]
                                       p 117 N86-18976
    In vivo dermal absorption method and system for
  laboratory animals
  [AD-D012325]
                                      p 417 N86-32951
VARIABILITY
   Variability analysis of visually induced responses in the
  midst of noise
 [B8564052]
                                       p 16 N86-10774
    Variation in baseline sister chromatid exchange
 frequencies in humans
 [DE85-016084]
VASCULAR SYSTEM
   Changes in the heart rate and in the cerebral vascular
 tonus affected by alternating physical and mental loads
                                      p 89 A86-22535
   Changes in the function of skeletal muscle vessels due
 to the cardiogenic depressor reflex p 81 A86-22594
Tissue gas bubble dynamics during hypobaric
 exposures
 [SAE PAPER 851337]
   SAE PAPER 851337] p 111 A86-23525
Mechanisms of calcium permeability changes in the
 sarcolemma of vascular smooth-muscle cells during
   p 157 A86-29257
Microvascular flow adjustments with postural changes
 in humans
                                      p 215 A86-30448
```

VERTICAL TAKENEE AIRCRAFT

and cerebrovascular reactivity and the functional state of	p 153 N86-19941	A multiple-regression model of pilot performance in
brain tissue p 392 A86-45320	The role of plant disease in the development of	vertical and translational flight
Experimental and general theoretical research: Nature	controlled ecological life support systems	[AD-A161364] p 188 N86-22115 VERTIGO
of circulatory regulation in pilots p 285 N86-27880  VASOCONSTRICTION	p 153 N86-19942 Development of space technology for ecological	Significance of vestibular recruitment and directional
Opposing hemodynamic effects of substance P on	habitats p 153 N86-19943	dominance of nystagmus in diagnostic tests
pulmonary vasculature in rabbits p 3 A86-12378	Use of membrane vesicles as a simplified system for	p 62 N86-14864
Cutaneous vascular responses to heat simulated at a	studying transport of auxin	VESTIBULAR NYSTAGMUS
high altitude of 5,600 m p 252 A86-36219	[DE86-002264] p 209 N86-23219	Significance of vestibular recruitment and directional
Forearm skin and muscle vasoconstriction during lower body negative pressure p 280 A86-39093	Experiments with developing plants aboard Salyut-5,	dominance of nystagmus in diagnostic tests p 62 N86-14864
body negative pressure p 280 A86-39093 Intrinsic alteration of the reactive properties of arteries	Salyut-6 and Salyut-7 oribital stations p 279 N86-27891	Vestibular function in older individuals submitted to
during hypothermia	Reproductive capacity of microflora on polymers used	antiorthostatic hypokinesia for 30 days
[AD-A166523] p 402 N86-31213	in sealed environments p 280 N86-27897	p 172 N86-21116
VASOCONSTRICTOR DRUGS	VEINS	Analysis of nystagmus response to a pseudorandom velocity input p 402 N86-31426
Effects of 100 percent oxygen on the cardiovascular responses to vasoactive compounds in the dog	Correlation between the arterial blood pressure, the pulmonary artery pressure, and central venous pressure	velocity input p 402 N86-31426 VESTIBULAR TESTS
p 2 A86-10255	p 90 A86-22542	Medical evaluation of cosmonauts - Assessment of
VASODILATION	VELOCITY	vestibular system p 11 A86-12429
Opposing hemodynamic effects of substance P on	The spatial and temporal parameters of velocity	The effects of real and simulated microgravity on
pulmonary vasculature in rabbits p 3 A86-12378	discrimination	vestibulo-oculomotor interaction p 193 A86-30390  The alleviating effect of arbitrary movements on the
Mode of neural control mediating rat tail vasodilation during heating p 28 A86-16055	[AD-A158735] p 43 N86-13896 VELOCITY DISTRIBUTION	vestibulomotor p 216 A86-30898
Cutaneous vascular responses to heat simulated at a	Velocity coding - Evidence from perceived velocity	Sudden emesis following parabolic flight maneuvers
high altitude of 5,600 m p 252 A86-36219	shifts p 94 A86-20900	Implications for space motion sickness
Aldosterone response to angiotensin II during	VELOCITY MEASUREMENT	p 250 A86-33759
hypoxemia p 418 A86-47870	Velocity coding - Evidence from perceived velocity	What is the parameters for the prediction of seasickness
VECTORCARDIOGRAPHY Vectorcardiographic studies during Indo-Soviet joint	shifts p 94 A86-20900	susceptibility? - On the point of view for visual-vestibular-somatosensory interaction
space project p 251 A86-35288	VENEZUELA  The history of aeronautical medicine in Venezuela	p 377 A86-41645
VEGETABLES	[NASA-TM-77709] p 176 N86-22094	Vestibular resistance and blood circulation changes in
Operational development of small plant growth	VENTILATION	orthostatic position during hyperthermia
systems p 149 N86-19917	Respiratory response and muscle function during	p 14 N86-10758
VEGETATION  Description of concept and first feasibility test results	isometric handgrip exercise at high altitude [AD-A162003] p 223 N86-24198	Vestibular function in older individuals submitted to antiorthostatic hypokinesia for 30 days
of a life support subsystem of the Botany Facility based	[AD-A162003] p 223 N86-24198 An environmentally-controlled extended-use small	p 172 N86-21116
on water reclamation p 149 N86-19912	animal hypobaric chamber	Normal and abnormal human vestibular ocular
VEGETATION GROWTH	[AD-A166729] p 398 N86-30307	function
Evidences for changes in sensitivity to auxin and in	VENTS	[NASA-CR-176820] p 257 N86-25978 VESTIBULES
cell-wall properties during gravitropic bending of dicot stems p 196 A86-30409	A waterproof vent valve for immersion suits [REPT-515] p 99 N86-17988	Determination of vestibular asymmetry with application
Effects of simulated gravity nullification on	VERBAL COMMUNICATION	to aviation medicine p 31 A86-13299
shoot-inversion release of apical dominance in Pharbitis	'Captain I was trying to bring up the fact that you made	Interaction of the thermoreceptor and vestibular signals
nil p 196 A86-30410	a mistake earlier' - Deference and demeanor at 30,000	in the regulation of the activity of flexor and extensor motor
Effect of calmodulin and auxin transport inhibitors on	feet p 229 A86-29894	nuclei during cold tremors p 103 A86-23493 Interaction between the otolithic organ and the
calcium net uptake along apical corn roots p 196 A86-30412	Pilot speech performance while talking to a speech recognizer and flying a competitive helicopter pursuit	semicircular canals of the vestibular apparatus in the
Red light shifts the locus and rate of gravitropic curvature	task	system of spatial angular stabilization in humans
in etiolate pea epicotyls p 196 A86-30413	[SAE PAPER 851779] p 264 A86-35441	p 161 A86-27474
The structure and development of the starch sheath in pea epicotyls p 196 A86-30414	Multimodal versus unimodal information processing of	Vestibular and visual control on posture and locomotor equilibrium Book p 183 A86-27671
pea epicotyls p 196 A86-30414 Effects of mechanical stresses, abscisic acid, and	words [AD-A160517] p 134 N86-18984	Dynamics of the cupula in the semicircular canal of the
outdoor exposure on growth and water relations of	Components of verbal intelligence	vestibular analyzer Russian book p 421 A86-49339
eggplant p 196 A86-30416	[AD-A163359] p 290 N86-26828	Spatial illusions of vestibular genesis during flights in
An attempt to localize and identify the gravity sensing	Initial skill learning: An analysis of how elaborations	aircraft p 172 N86-21115
mechanism of plants p 197 A86-30417 Effects of norflurazon on the levels of abscisic acid and	facilitate the three components	Normal and abnormal human vestibular ocular function
xanthoxin in caps of gravistimulated roots of maize	[AD-A165137] p 292 N86-27922 Aircrew coordination and decisionmaking: Peer ratings	[NASA-CR-176820] p 257 N86-25978
p 197 A86-30420	of video tapes made during a full mission simulation	VESTS
Controlled Ecological Life Support Systems: CELSS	p 440 N86-32999	Effectiveness of an air-cooled vest using selected air
1985 Workshop	VERTEBRAE	temperature and humidity combinations [AD-A162026] p 242 N86-24219
[NASA-TM-88215] p 148 N86-19906 The C23A system, an exmaple of quantitative control	The effects of ketamine on Rhesus monkey skeletal	[AD-A162026] p 242 N86-24219 VETERINARY MEDICINE
of plant growth associated with a data base	dynamics [AD-A162848] p 213 N86-24189	Monkeys as a source of viral diseases in man
p 148 N86-19911	VERTEBRAL COLUMN	[NASA-TM-78017] p 386 N86-28625
Simulation model for plant growth in controlled	A review of the pilot backache problem in the CH113	Biotechnology: The US Department of Agriculture's
environment systems p 149 N86-19914	Labrador helicopter	biotechnology research efforts [GAO/RCED-86-39BR] p 376 N86-29494
Plan for CELSS test bed project p 149 N86-19915 Plant growth chamber M design p 149 N86-19916	[AD-A164011] p 256 N86-25113 The vertebral column: Selection and aptitude of combat	VIABILITY p 376 N66-29494
Operational development of small plant growth	aircraft pilots of the future p 400 N86-30322	The viability with respect to temperature, of
systems p 149 N86-19917	Systematic radiographic examination of the spine for	micro-organisms incident on the earth's atmosphere
Electrochemical control of pH in a hydroponic nutrient	selection of F-16 pilots: A preliminary report	p 410 A86-44358
solution p 150 N86-19918  An engineering analysis of a closed cycle plant growth	p 401 N86-30323	On the effects of X irradiation on the Bacillus subtilis
module p 150 N86-19919	VERTEBRATES  Vertebrate gravity sensors as dynamic systems	spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864
An analysis of the productivity of a CELSS continuous	p 193 A86-30391	VIBRATION DAMPING
algal culture system p 151 N86-19927	Proceedings and program draft in Gravitational Biology	A design guide for visual displays and manual tasks in
Can plants grow in quasi-vacuum?	in the Federal Republic of Germany	vibration environments. Part 1: Visual displays
p 152 N86-19931	[DFVLR-MITT-85-16] p 387 N86-29514	[ISVR-TR-133-PT-1] p 442 N86-33014
Wheat response to CO2 enrichment: CO2 exchanges	VERTICAL FLIGHT  An integrated display for vertical and translational flight	A design guide for visual displays and manual tasks in
transpiration and mineral uptakes p 152 N86-19932 Studies on maximum yield of wheat for the controlled	Eight factors affecting pilot performance	vibration environments. Part 2: Manual tasks [ISVR-TR-134] p 443 N86-33015
environments of space p 152 N86-19934	p 264 A86-36175	VIBRATION EFFECTS
Utilization of potatoes in CELSS: Productivity and	A multiple-regression model of pilot performance in	Comparative biodynamic response of two primate
growing systems p 152 N86-19935	vertical and translational flight	species to the same vibrational environment
Optimization of controlled environments for hydroponic	[AD-A161364] p 188 N86-22115 VERTICAL LANDING	[AD-A160679] p 1 A86-10252
production of leaf lettuce for human life support in	A multiple-regression model of pilot performance in	Vibration transmissibility in seated subjects
CELSS p 152 N86-19936	vertical and translational flight	p 22 A86-12436 Mechanical solid vibrations p 113 A86-24512
Closed culture plant studies: Implications for CELSS p 152 N86-19937	[AD-A161364] p 188 N86-22115	Mechanical solid vibrations p 113 A86-24512  Effect of vibration on the readability of color CRT
Potato leaf explants as a spaceflight plant test system	VERTICAL PERCEPTION  Method of changes in reversible pattern masking as	displays
p 153 N86-19939	factor in visual perception p 221 N86-23263	[SAE PAPER 841466] p 146 A86-26009
The effect of ultradian and orbital cycles on plant	Effects of atropine sulfate on aircrew performance	Inhibitory effects of combined agonist and antagonist
growth p 153 N86-19940	[AD-A165063] p 290 N86-27919	muscle vibration on H-reflex in man p 395 A86-44090

an untaka and utilization by intent alanta

fighter pilot

and viscera

Plasma

weightlessness

VISIBLE SPECTRUM

--- Russian book

viscosity

VISCOSITY

Development of a hierarchical r a polyarticulated mechanical struc operators subjected to vibrations	cture used to study human	
Report on the research ac		
vibrations. Human strain due t [ISBN-3-88383-107-7]	to mechanical vibrations	
The role of vibration and rattle	e in human response to	
nelicopter noise	- III III III III III III III III III I	
[AD-A162486]	p 182 N86-22110	
Status of calcium metabolis vibration sickness	p 220 N86-23251	
A design guide for visual displa	ays and manual tasks in	
vibration environments. Part 1: Vi	isual displays	
[ISVR-TR-133-PT-1]	p 442 N86-33014	
A design guide for visual displi vibration environments. Part 2: M	ays and manual tasks in	
[ISVR-TR-134]		
VIBRATION ISOLATORS	p 443 N86-33015	
Muscle vibrations and man-ma	chine evetem dynamics	
Russian book	p 74 A86-18731	
VIBRATION MEASUREMENT	,	
System for measurement of sm	nall vibrations at material	
interfaces induced by electrostric	tive forces	
[PB86-116530]	p 222 N86-23276	
VIBRATION MODE		
Mechanical solid vibrations	p 113 A86-24512	
VIBRATION PERCEPTION		
Vibration transmissibility in seat		
VIBRATIONAL STRESS	p 22 A86-12436	
Effect of exposure to heat, hyp	ovia cold acceleration	
and vibration stress on the total	blood sulfhydod groups	
in human subjects	p 33 A86-14319	
VIDEO COMMUNICATION		
Principles of instruction for su	ccessful assembly and	
repair	-,	
[AD-A161280]	p 180 N86-21142	
VIDEO DATA		
An investigation into peer and	SUDANISOR differences	
in the charaction of newfares-	deportisor unierences	
In the observation of performance	e-related behaviors	
In the observation of performance [AD-A160819]	p 135 N86-19898	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT	e-related behaviors p 135 N86-19898	
(AD-A160819)  VIDEO EQUIPMENT  Human engineering guidelines	p 135 N86-19898 for the evaluation and	
in the observation of performance (AD-A160819)  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016495]	9-related behaviors p 135 N86-19898 for the evaluation and p 187 N86-21149	
In the observation of performance (AD-A160819)  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for	9-related behaviors p 135 N86-19898 for the evaluation and p 187 N86-21149	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [Ti85-016435]  Reconfigurable work station for keyboard	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]	9-related behaviors p 135 N86-19898 for the evaluation and p 187 N86-21149	
In the observation of performance (AD-A160819)  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016495]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT	p 187 N86-19898 for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TIB5-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and	
In the observation of performance (AD-A160819)  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [T185-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT The question of life on Mars VIRTUAL PROPERTIES	p 187 N86-1988  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927	
in the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars  VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays	p 135 N86-19898 for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays VIRULENCE	p 135 N86-19898 for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927 al effects in perspective p 441 N86-33005	
In the observation of performance [AD-A166N318]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016495]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars  VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas.	p 135 N86-19898 for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927 all effects in perspective p 441 N86-33005	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars  VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions	p 187 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927 Ill effects in perspective p 441 N86-33005 aeruginosa virulence by a 122 N86-1988	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler	p 135 N86-19898 for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927 all effects in perspective p 441 N86-33005 aeruginosa virulence by p 122 N86-19858	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars  VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927  If effects in perspective p 441 N86-3005  aeruginosa virulence by p 122 N86-19858 nce of pseudomonas riments	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler	p 135 N86-19898 for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927 all effects in perspective p 441 N86-33005 aeruginosa virulence by p 122 N86-19858	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [Ti85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse exper	p 135 N86-19898  for the evaluation and a p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927  If effects in perspective p 441 N86-33005  aeruginosa virulence by p 122 N86-19858 nice of pseudomonas riments p 210 N86-23237	
In the observation of performance [AD-A160818]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars  VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse exper	p 135 N86-19898  for the evaluation and a p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927  If effects in perspective p 441 N86-33005  aeruginosa virulence by p 122 N86-19858 nice of pseudomonas riments p 210 N86-23237	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [Ti85-016435] Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensional displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse exper  VIRUSES  Salyut-7 electrophoresis expressarch Some characteristics of e	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927 all effects in perspective p 441 N86-33005 aeruginosa virulence by p 122 N86-19858 nice of pseudomonas riments p 210 N86-23237 eriments aid medical p 158 N86-20445 apizootic process in	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars  VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse exper	p 135 N86-19898  for the evaluation and a p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927  If effects in perspective p 441 N86-33005  aeruginosa virulence by p 122 N86-19858 nee of pseudomonas riments p 210 N86-2327  eriments aid medical p 158 N86-20445 prizootic process in rome	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars  VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse expert  VIRUSES  Salyut-7 electrophoresis expresearch Some characteristics of ehemorrhagic fever with renal syndi-	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927  If effects in perspective p 441 N86-33005  aeruginosa virulence by p 122 N86-19858 nee of pseudomonas riments p 210 N86-23237  eriments aid medical p 158 N86-20445 pizootic process in rome	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [Ti85-016435] Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensional displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse exper  VIRUSES  Salyut-7 electrophoresis expressarch Some characteristics of e	p-related behaviors p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927  all effects in perspective p 441 N86-33005  aeruginosa virulence by p 122 N86-19858 nce of pseudomonas riments p 210 N86-23237  eriments aid medical p 158 N86-20445 pizootic process in rome p 218 N86-23234 en of immunity	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars  VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas. hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse experi  VIRUSES  Salyut-7 electrophoresis expiresearch Some characteristics of e hemorrhagic fever with renal syndi	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927 al effects in perspective p 441 N86-33005 aeruginosa virulence by p 122 N86-19858 nce of pseudomonas riments p 210 N86-23237 eriments aid medical p 158 N86-20445 pizootic p 18 N86-23234 or of immunity p 218 N86-23234 or of immunity p 218 N86-23234	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [Ti85-016435] Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse exper  VIRUSES  Salyut-7 electrophoresis experesearch Some characteristics of e hemorrhagic fever with renal syndi-  Artificial vaccines and stimulatio  Fab-fragment of heterologic prophylaxis and treatment	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927  all effects in perspective p 441 N86-33005  aeruginosa virulence by p 122 N86-19858 nee of pseudomonas riments p 210 N86-23237  eriments aid medical p 158 N86-20445 prizootic process in rome p 218 N86-23234 on of immunity p 219 N86-23238 immunoglobulin for flu p 219 N86-23231	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensional displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse expert  VIRUSES  Salyut-7 electrophoresis expresearch Some characteristics of e hemorrhagic fever with renal syndi- Artificial vaccines and stimulatio  Fab-fragment of heterologic prophylaxis and treatment Model of experimental pixuna of	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927  all effects in perspective p 441 N86-33005  aeruginosa virulence by p 122 N86-19858 nee of pseudomonas riments p 210 N86-23237  eriments aid medical p 158 N86-20445 prizootic process in rome p 218 N86-23234 on of immunity p 219 N86-23238 immunoglobulin for flu p 219 N86-23231	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars  VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse expert  VIRUSES  Salyut-7 electrophoresis expert research Some characteristics of e hemorrhagic fever with renal syndi-  Artificial vaccines and stimulatio  Fab-fragment of heterologic prophylaxis and treatment Model of experimental pixuna of	p-related behaviors p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927  all effects in perspective p 441 N86-33005 aeruginosa virulence by p 122 N86-19858 nce of pseudomonas riments p 210 N86-23237 eriments aid medical p 158 N86-20445 pizootic process in rome p 218 N86-23234 an of immunity p 219 N86-23238 immunoglobulin for flu p 219 N86-23241 virus infection in white	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [Ti85-016435] Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse exper  VIRUSES  Salyut-7 electrophoresis exper research Some characteristics of e hemorrhagic fever with renal syndi  Artificial vaccines and stimulatio  Fab-fragment of heterologic prophylaxis and treatment Model of experimental pixuna v mice Experimental evaluation of pati	p-related behaviors p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927 all effects in perspective p 441 N86-33005 aeruginosa virulence by p 122 N86-19858 nce of pseudomonas riments p 210 N86-23237 eriments aid medical p 158 N86-20445 pizcotic process in rome p 218 N86-23234 on of immunity p 219 N86-23238 immunoglobulin for flu p 219 N86-23241 virus infection in white p 211 N86-23253 hogenicity of different	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [Ti85-016435] Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE Enhancement of Pseudomonas. hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse experi  VIRUSES  Salyut-7 electrophoresis expiresearch Some characteristics of enhemorrhagic fever with renal syndi  Artificial vaccines and stimulatio  Fab-fragment of heterologic prophylaxis and treatment Model of experimental pixuna mice Experimental evaluation of path variants of lassa virus	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927  al effects in perspective p 441 N86-33005 aeruginosa virulence by p 122 N86-19858 aeruginosa virulence by p 125 N86-23237  eriments aid medical p 158 N86-20445 apizootic process in rome p 218 N86-23234 an of immunity p 219 N86-23234 immunoglobulin for flu p 219 N86-23234 immunoglobulin for flu p 219 N86-23235 hogenicity of different p 211 N86-23255	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [Ti85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars  VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse experimental  VIRUSES  Salyut-7 electrophoresis experimental Some characteristics of e hemorrhagic fever with renal syndication  Artificial vaccines and stimulatio  Fab-fragment of heterologic prophylaxis and treatment  Model of experimental pixuna v mice  Experimental evaluation of pativariants of lassa virus  Standardization of conditions for	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927  all effects in perspective p 441 N86-33005  aeruginosa virulence by p 122 N86-19858 nce of pseudomonas riments p 210 N86-23237  eriments aid medical p 158 N86-20445 pizootic process in rome p 218 N86-23234 or of immunity p 219 N86-23234 immunoglobulin for flu p 219 N86-23241 virus infection in white p 211 N86-23253 hogenicity of different p 211 N86-23253	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [T185-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars  VIRTUAL PROPERTIES  Virtual space and 2-dimensional displays  VIRTUAL PROPERTIES  Virtual space and 2-dimensional displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions on viruler aeruginosa strains in mouse experimental properties of ehemorrhagic fever with renal syndical Artificial vaccines and stimulation  Fab-fragment of heterologic prophylaxis and treatment Model of experimental pixunal mice  Experimental evaluation of patit variants of lassa virus  Standardization of conditions for specific fluorescence in continuous	p-related behaviors p 135 N86-19898  for the evaluation and s p 187 N86-21149 a video display unit and p 188 N86-22114 p 410 A86-43927 all effects in perspective p 441 N86-33005 aeruginosa virulence by p 122 N86-19858 nee of pseudomonas riments p 210 N86-23237 eriments aid medical p 158 N86-20445 piptootic process in rome p 218 N86-23234 introducity p 219 N86-23234 virus infection in white p 211 N86-23254 virus infection in white p 211 N86-23254 researched in the p 211 N86-23254	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [Ti85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars  VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse experimental  VIRUSES  Salyut-7 electrophoresis experimental Some characteristics of ehemorrhagic fever with renal syndic  Artificial vaccines and stimulatio  Fab-fragment of heterologic prophylaxis and treatment  Model of experimental pixuna in mice  Experimental evaluation of pativariants of lassa virus  Standardization of conditions for specific fluorescence in continuou with variants of Japanese encephe	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927  all effects in perspective p 441 N86-33005  aeruginosa virulence by p 122 N86-19858 nce of pseudomonas riments p 210 N86-23237  eriments aid medical p 158 N86-20445 pizootic process in rome p 218 N86-23234 and in manufacturing p 19 N86-23234 immunoglobulin for flup p 19 N86-23234 immunoglobulin for flup p 19 N86-23234 immunoglobulin for flup p 11 N86-23253 hogenicity of different p 211 N86-23253 hogenicity of different p 211 N86-23255 is cell cultures infected alitis virus p 211 N86-2355	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [Ti85-016435] Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse exper  VIRUSES  Salyut-7 electrophoresis expresearch Some characteristics of e hemorrhagic fever with renal syndi  Artificial vaccines and stimulatio  Fab-fragment of heterologic prophylaxis and treatment Model of experimental pixuna vinice  Experimental evaluation of pati variants of lassa virus  Standardization of conditions for specific fluorescence in continuou with variants of Japanese encepha	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927  all effects in perspective p 441 N86-33005  aeruginosa virulence by p 122 N86-19858 nce of pseudomonas riments p 210 N86-23237  eriments aid medical p 158 N86-20445 pizootic process in rome p 218 N86-23234 and in manufacturing p 19 N86-23234 immunoglobulin for flup p 19 N86-23234 immunoglobulin for flup p 19 N86-23234 immunoglobulin for flup p 11 N86-23253 hogenicity of different p 211 N86-23253 hogenicity of different p 211 N86-23255 is cell cultures infected alitis virus p 211 N86-2355	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [TI85-016435]  Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays  VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse expert  VIRUSES  Salyut-7 electrophoresis expresearch Some characteristics of e hemorrhagic fever with renal syndi- Artificial vaccines and stimulatio  Fab-fragment of heterologic prophylaxis and treatment Model of experimental pixuna mice Experimental evaluation of path variants of lassa virus Standardization of conditions for specific fluorescence in continuou with variants of Japanese encepha	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927  all effects in perspective p 441 N86-33005  aeruginosa virulence by p 122 N86-19858 nce of pseudomonas riments p 210 N86-23237  eriments aid medical p 158 N86-20445 pizootic process in rome p 218 N86-23234 and in manufacturing p 19 N86-23234 immunoglobulin for flup p 19 N86-23234 immunoglobulin for flup p 19 N86-23234 immunoglobulin for flup p 11 N86-23253 hogenicity of different p 211 N86-23253 hogenicity of different p 211 N86-23255 is cell cultures infected alitis virus p 211 N86-2355	
In the observation of performance [AD-A160819]  VIDEO EQUIPMENT  Human engineering guidelines assessment of video display units [Ti85-016435] Reconfigurable work station for keyboard [NASA-CASE-MFS-26009-1SB]  VIKING LANDER SPACECRAFT  The question of life on Mars VIRTUAL PROPERTIES  Virtual space and 2-dimensiona displays VIRULENCE  Enhancement of Pseudomonas hyperbaric atmosphere conditions Effect of plasmids on viruler aeruginosa strains in mouse exper  VIRUSES  Salyut-7 electrophoresis expresearch Some characteristics of e hemorrhagic fever with renal syndi  Artificial vaccines and stimulatio  Fab-fragment of heterologic prophylaxis and treatment Model of experimental pixuna vinice  Experimental evaluation of pati variants of lassa virus  Standardization of conditions for specific fluorescence in continuou with variants of Japanese encepha	p 135 N86-19898  for the evaluation and p 187 N86-21149 a video display unit and p 188 N86-22114  p 410 A86-43927  al effects in perspective p 441 N86-33005  aeruginosa virulence by p 122 N86-19858 nce of pseudomonas riments p 210 N86-23237  eriments aid medical p 158 N86-20445 pizootic process in rome p 218 N86-23234  or of immunity p 219 N86-23234  or of immunity p 219 N86-23234  intringingingingingingingingingingingingingi	

p 9 A86-10262

simulated

P 418 A86-47753

p 253 A86-36312

p 72 N86-15868

p 392 A86-44295

with

Development of a mechanical analog of a human spine

elevations

Investigation of factors determining pilot's geocentric

The photobiological aspects of radiation damage in cells

[AD-D011756]	g Gaussians
The effects of hypoxia induced	p 20 N86-10778
pressure on soft contact lens wear	by low aumospheric
[AD-A158556]	p 38 N86-12963
Reduction of subjective redundar	CV in image signals:
nesults obtained and research trend	is
[FUB-24-1984]	D 64 NR6-14004
Visual form perception from halfto	ne images
	p 120 N86-19847
Neurophysiological activity a	nd nevelophysical
effectiveness of environmental factor	rs
	p 164 N86-21013
Interactive activation models	of perception and
comprehension	, and
[AD-A161362]	p 181 N86-21143
The first cortical implant of	a comiconductor
multielectrode array. VER (Visual Evo	ked Responses) and
propagation analysis	
[AD-A164015]	p 248 N86-25972
Effects of atropine sulfate on aircr	ew performance
[AD-A165063]	p 290 NA6-27919
Information processing in mam	malian visual cortex
[AD-A165832]	p 376 N86-28609
Function-dependent plasticity in th	e nervous system
	p 389 N86-29528
Spatiotemporal characteristics of	
[AD-A166097]	p 404 N86-30331
Variable contrast direct read-out vi	sion tester
[AD-D012273]	p 423 N86-32955
VISUAL ACCOMMODATION	
Intermediate collimation: Descrip	otion - Goals - First
results	p 44 A86-13570
Age, degraded viewing environme	ents, and the speed
or accommogation	D 87 ARG-20407
Perceptual-motor coordination and	d adaptation during
locomotion - Determinants of prisr	n adaptation in hall
exposure	n 131 A86-24324
Effects of adaptation and display	luminance on CRT
Symbol recognition time	n 240 ARE 2224E
Visual accommodation and virtua	l image displays -
Target detection and recognition VISUAL ACUITY	p 406 A86-45015
VISUAL ACUITY	
Spatial-frequency model for hypera	
Spatial-frequency model for hypera	n 19 A86-11147
Spatial-frequency model for hypera Spatial location and hyperacuity - 1	p 19 A86-11147
Spatial-frequency model for hypera	p 19 A86-11147 The centre/surround two substrates
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has	p 19 A86-11147 The centre/surround two substrates
Spatial-frequency model for hypera Spatial location and hyperacuity - I localization contribution function has Mild hypoxia and visual performan	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ice with night vision
Spatial-frequency model for hypera Spatial location and hyperacuity - I localization contribution function has Mild hypoxia and visual performan goggles	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755
Spatial-frequency model for hypera Spatial location and hyperacuity - I localization contribution function has Mild hypoxia and visual performan	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 Ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317
Spatial-frequency model for hypera Spatial location and hyperacuity -1 localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 Ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317
Spatial-frequency model for hypera Spatial location and hyperacuity - I localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969]	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787
Spatial-frequency model for hypera Spatial location and hyperacuity -1 localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system
Spatial-frequency model for hypera Spatial location and hyperacuity -1 localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099]	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973
Spatial-frequency model for hypera Spatial location and hyperacuity -1 localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asse	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asseperformance	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asseperformance [PB86-144755]	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asseperformance	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 light vision devices
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asse performance [PB86-144755] Aeromedical lessons learned with respective control of the service of the ser	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 light vision devices p 283 N86-25988
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asseperformance [PB86-144755]	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 light vision devices p 283 N86-26810 w in the services
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asse performance [PB86-144755] Aeromedical lessons learned with recontact lenses for pilots and aircree	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 iight vision devices p 283 N86-26810 w in the services
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A155969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asse performance [PB86-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 night vision devices p 283 N86-26810 win the services p 284 N86-26815 iated with punctate
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asse performance [PB86-144755] Aeromedical lessons learned with recontact lenses for pilots and aircre Permanent visual change assoc foveal lesions	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 light vision devices p 283 N86-26810 w in the services p 284 N86-26815 lated with punctate p 284 N86-26815
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A15709] Emergent techniques for asseparformance [PB86-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change associtives of the property of the	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 light vision devices p 283 N86-26810 win the services p 284 N86-26815 iated with punctate p 284 N86-26823 z) acceleration
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A155969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asse performance [PB86-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during + G(AD-A165013]	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 sament of visual p 258 N86-25988 light vision devices p 284 N86-26810 win the services p 284 N86-26815 liated with punctate p 284 N86-26823 2) acceleration p 289 N86-27915
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asse performance [PB86-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during + G(AD-A165013] Entry visual standards and of	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 light vision devices p 284 N86-26810 w in the services p 284 N86-26815 iated with punctate p 284 N86-26823 Z) acceleration p 289 N86-27915 cullar examination
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A15709] Emergent techniques for asseparformance [PB86-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change associtive football lesions Soft contact lens wear during +G(AD-A165013] Entry visual standards and of techniques for future fighter aircrew	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system of visual p 258 N86-25988 light vision devices p 281 N86-26810 win the services p 284 N86-26815 iated with punctate p 284 N86-26815 iated with punctate p 284 N86-26815 iated with punctate p 284 N86-26813 (2) acceleration p 289 N86-27915 cullar examination p 400 N86-30317
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A155969] Criteria for a state-of-the-art vision [AD-A157999] Emergent techniques for asse performance [PB86-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during +G(AD-A165013)] Entry visual standards and ochniques for future fighter aircrew The effect of spectrally selective filt.	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system of visual p 258 N86-25988 light vision devices p 281 N86-26810 win the services p 284 N86-26815 iated with punctate p 284 N86-26815 iated with punctate p 284 N86-26815 iated with punctate p 284 N86-26813 (2) acceleration p 289 N86-27915 cullar examination p 400 N86-30317
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asse performance [PB86-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during +G(AD-A165013] Entry visual standards and otechniques for future fighter aircrew The effect of spectrally selective fitt performance	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 25 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 tight vision devices p 284 N86-26815 tated with punctate p 284 N86-26815 tated with punctate p 284 N86-26815 tated with punctate p 284 N86-27915 cular examination p 400 N86-30317 ers on visual search
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asseperformance [PB86-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during +G(AD-A165013] Entry visual standards and of techniques for future fighter aircrew The effect of spectrally selective filtereformance [AD-A165835]	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system of visual p 258 N86-25988 light vision devices p 281 N86-26810 win the services p 284 N86-26815 iated with punctate p 284 N86-26815 iated with punctate p 284 N86-26815 iated with punctate p 284 N86-26813 (2) acceleration p 289 N86-27915 cullar examination p 400 N86-30317
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asse performance [PB86-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during + G(AD-A165013] Entry visual standards and of techniques for future fighter aircrew The effect of spectrally selective filter performance [AD-A165835]	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 25 N86-10787 test system p 45 N86-12973 sament of visual p 258 N86-25988 night vision devices p 284 N86-26815 iated with punctate p 284 N86-26823 z) acceleration p 400 N86-30317 ars on visual search p 404 N86-30329
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A158969] Criteria for a state-of-the-art vision [AD-A157099] Emergent techniques for asse performance [PB66-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during + G(AD-A165013] Entry visual standards and otechniques for future fighter aircrew The effect of spectrally selective fift performance [AD-A165835] [ISUAL AIDS Operational experiences with night	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 258 N86-12973 sament of visual p 258 N86-25988 light vision devices p 284 N86-26810 win the services p 284 N86-26815 lated with punctate p 284 N86-26823 2) acceleration p 400 N86-30317 ars on visual search p 404 N86-30329
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A15709] Emergent techniques for asse performance [PB86-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during +G(AD-A165013] Entry visual standards and on techniques for future fighter aircrew The effect of spectrally selective fitt performance [AD-A165835] //ISUAL AIDS Operational experiences with night helicopter low-level flight at night	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 hight vision devices p 284 N86-26810 win the services p 284 N86-26815 lated with punctate p 284 N86-26813 acceleration p 289 N86-27915 cullar examination p 400 N86-30317 ars on visual search p 404 N86-30329
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles (AD-A155969) Criteria for a state-of-the-art vision (AD-A15799) Emergent techniques for asseperformance (PB86-144755) Aeromedical lessons learned with range Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during +G([AD-A165013] Entry visual standards and ochniques for future fighter aircrew The effect of spectrally selective fitte performance (AD-A165835] (ISUAL AIDS) Operational experiences with night helicopter low-level flight at night Entry visual standards and ochiques for future fights at night Entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at night entry visual standards and ochiques for future fights at	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 45 N86-12973 ssment of visual p 258 N86-25988 light vision devices p 283 N86-26810 win the services p 284 N86-26815 lated with punctate p 284 N86-26813 2) acceleration p 400 N86-30317 arcs on visual search p 404 N86-30329 L vision goggles in p 293 N86-26805 cular examination p 401 N86-30329
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles (AD-A155969) Criteria for a state-of-the-art vision (AD-A157999) Emergent techniques for asse performance (PB86-144755) Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during +G(AD-A165013) Entry visual standards and of techniques for future fighter aircrew The effect of spectrally selective filte performance (AD-A165835) ISSUAL AIDS Operational experiences with night helicopter low-level flight at night Entry visual standards and of techniques for future fighter aircrew	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 45 N86-12973 ssment of visual p 258 N86-25988 light vision devices p 283 N86-26810 win the services p 284 N86-26815 lated with punctate p 284 N86-26813 2) acceleration p 400 N86-30317 arcs on visual search p 404 N86-30329 L vision goggles in p 293 N86-26805 cular examination p 401 N86-30329
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles (AD-A156969) Criteria for a state-of-the-art vision (AD-A157099) Emergent techniques for asse performance [PB66-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during +G(AD-A165013) Entry visual standards and o techniques for future fighter aircrew The effect of spectrally selective fitt performance [AD-A165835] //ISUAL AIDS Operational experiences with night helicopter low-level flight at night Entry visual standards and o techniques for future fighter aircrew //ISUAL CONTROL	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 light vision devices p 284 N86-26810 w in the services p 284 N86-26815 iated with punctate p 284 N86-26823 Z) acceleration p 289 N86-27915 cular examination p 404 N86-30329  It vision goggles in p 293 N86-26805 cular examination p 400 N86-30317
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles [AD-A156969] Criteria for a state-of-the-art vision [AD-A15709] Emergent techniques for asseparformance [PB86-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change associtional existing Entry visual standards and o techniques for future fighter aircrew The effect of spectrally selective fits performance [AD-A16535] [AD-A16535] [SUAL AIDS Operational experiences with night helicopter low-level flight at night Entry visual standards and o techniques for future fighter aircrew //ISUAL CONTROL Vestibular and visual control on pos	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 light vision devices p 284 N86-26810 w in the services p 284 N86-26815 iated with punctate p 284 N86-26823 Z) acceleration p 289 N86-27915 cular examination p 404 N86-30329  It vision goggles in p 293 N86-26805 cular examination p 400 N86-30317
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles (AD-A156969) Criteria for a state-of-the-art vision (AD-A157099) Emergent techniques for asse performance [PB66-144755] Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during +G(AD-A165013) Entry visual standards and o techniques for future fighter aircrew The effect of spectrally selective fitt performance [AD-A165835] //ISUAL AIDS Operational experiences with night helicopter low-level flight at night Entry visual standards and o techniques for future fighter aircrew //ISUAL CONTROL	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 ssment of visual p 258 N86-25988 light vision devices p 284 N86-26810 w in the services p 284 N86-26815 iated with punctate p 284 N86-26823 Z) acceleration p 289 N86-27915 cular examination p 404 N86-30329  It vision goggles in p 293 N86-26805 cular examination p 400 N86-30317
Spatial-frequency model for hypera Spatial location and hyperacuity - I localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles (AD-A155969) Criteria for a state-of-the-art vision (AD-A157099) Emergent techniques for asse performance (PB86-144755) Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during + G(AD-A165013) Entry visual standards and o techniques for future fighter aircrew The effect of spectrally selective fift performance (AD-A165835) ISUAL AIDS Operational experiences with night helicopter low-level flight at night Entry visual standards and o techniques for future fighter aircrew / ISUAL CONTROL Vestibular and visual control on pos equilibrium — Book Tactual cuing can produce better	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-3375 lopathy) in pilots p 254 A86-36317 ce with night vision p 25 N86-10787 test system p 45 N86-12973 sament of visual p 258 N86-25988 night vision devices p 284 N86-26815 ialed with punctate p 284 N86-26815 ialed with punctate p 284 N86-26815 ialed with punctate p 289 N86-27915 cular examination p 400 N86-30317 arcs on visual search p 404 N86-30329
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles (AD-A155969) Criteria for a state-of-the-art vision (AD-A157999) Emergent techniques for asse performance (PB86-144755) Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during +G(AD-A165013) Entry visual standards and of techniques for future fighter aircrew The effect of spectrally selective filtrefromance (AD-A165835) ISUAL AIDS Operational experiences with night helicopter low-level flight at night Entry visual standards and of techniques for future fighter aircrew //ISUAL CONTROL Vestibular and visual control on pos equilibrium — Book	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-33755 lopathy) in pilots p 254 A86-36317 ce with night vision p 23 N86-10787 test system p 45 N86-12973 sament of visual p 258 N86-25988 light vision devices p 284 N86-26810 win the services p 284 N86-26815 iated with punctate p 284 N86-26815 iated with punctate p 284 N86-26805 cular examination p 400 N86-30317 ars on visual search p 404 N86-30329 t vision goggles in p 293 N86-26805 cular examination p 400 N86-30317 the p 404 N86-30317 the p 405 N86-30317 the p 406-26805 cular examination p 400 N86-30317 the p 406-26805 cular examination p 400 N86-30317 the p 406-26805 cular examination p 400 N86-30317
Spatial-frequency model for hypera Spatial location and hyperacuity - localization contribution function has Mild hypoxia and visual performan goggles Central serous retinopathy (choroid Mild hypoxia and visual performan goggles (AD-A155969) Criteria for a state-of-the-art vision (AD-A157999) Emergent techniques for asse performance (PB86-144755) Aeromedical lessons learned with r Contact lenses for pilots and aircre Permanent visual change assoc foveal lesions Soft contact lens wear during +G(AD-A165013) Entry visual standards and of techniques for future fighter aircrew The effect of spectrally selective filtrefromance (AD-A165835) ISUAL AIDS Operational experiences with night helicopter low-level flight at night Entry visual standards and of techniques for future fighter aircrew //ISUAL CONTROL Vestibular and visual control on pos equilibrium — Book	p 19 A86-11147 The centre/surround two substrates p 19 A86-12061 ce with night vision p 249 A86-3375 lopathy) in pilots p 254 A86-36317 ce with night vision p 25 N86-10787 test system p 45 N86-12973 sament of visual p 258 N86-25988 night vision devices p 284 N86-26815 ialed with punctate p 284 N86-26815 ialed with punctate p 284 N86-26815 ialed with punctate p 289 N86-27915 cular examination p 400 N86-30317 arcs on visual search p 404 N86-30329

spatial transfer functions of the visual system --- Russian

Electroencephalograms and the read-out of information

The effect of high spatial frequencies on visual ecognition processes p 41 A86-15524

The dynamics of the human estimation of image size

and its neurophysiological correlates p 89 A86-22539

in the visual cortex during image recognition

recognition processes

p 27 A86-15467

p 33 A86-15512

VISION

**VISUAL PERCEPTION** Improvement in direction discrimination - No role for eye movements p 234 A86-32073 Minimum colour differences required to recognise small objects on a colour CRT p 240 A86-32316 The rastered eye - Vision in television p 240 A86-32317 Window of visibility - A psychophysical theory of fidelity in time-sampled visual motion displays p 240 A86-32451 Preferred declination of the line of sight p 406 A86-45014 Enhanced detection in the aperture of focal attention during simple discrimination tasks p 403 A86-45955 Speed of work and error rate: Analyses of individual differences in a choice reaction series with a cognitive component [DFVLR-FB-85-21] D 20 N86-10781 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] p 70 N86-14889 Enhancing visual sensitivity [AD-A1587991 p 68 N86-15906 Visual sensitivities and discriminations and their roles in aviation FAD-A1589621 p 69 N86-15907 Luminance and chromaticity signal processing in the human visual system p 121 N86-19852 Device for combined study of visual tracking and verbal p 175 N86-21133 The BAe D target acquisition model ORACLE: An overview, 1984 [BAE-JS-10009] n 221 NRS-23268 An evaluation of color sets for CRT displays [AD-A163894] p 273 N86-25125 Entry visual standards and ocular examination techniques for future fighter aircrew chniques for future fighter aircrew p 400 N86-30317 Speed of work and error rate; Analyses of individual differences in a choice reaction series with a cognitive component p 427 N86-32099 VISUAL FIELDS Encoding of spatial location by posterior parietal DALIFORS p 27 A86-14714 Precision and accuracy of oculocentric direction for targets of different luminances p 58 A86-17351 Dual hemispheric processing in a letter matching task p 131 A86-24325 Effect of wearing chemical protective clothing in the heat on signal detection over the visual field p 145 A86-25657 [AD-A164945] The metric of visual space p 234 A86-32072 Enhanced detection in the aperture of focal attention during simple discrimination tasks p 403 A86-45955 A model of the human's use of visual field cues in nap-of-the-earth flight [AIAA PAPER 86-2252] p 426 A86-47498 An automated system for comprehensive assessment of visual field sensitivity [AD-A162755] p 178 N86-22104 VISUAL FLIGHT Bigness is in the eye of the beholder --- size and distance perception of pilots in flight p 233 A86-31820
Visual sensitivities and discriminations and their roles in aviation [AD-A158962] p 69 N86-15907 VISUAL OBSERVATION Visual-search efficiency --- Russian book p 271 A86-36695 VISUAL PERCEPTION Neuronal reactions and evoked potentials in the subcortical brain structures in the process of visual recognition. I - Formulation of the problem and basic methods for its solution p 9 A86-10696 Prestimulus EEG and evoked potentials in man during the recognition of a meaningful light stimulus p 9 A86-10697 Intermediate collimation: Description - Goals - First results p 44 A86-13570 The visual stress model - A psycho-physiological method for the evaluation of operational reliability of pilots and cosmonauts [IAF PAPER 85-326] D 41 A86-15831 Precision and accuracy of oculocentric direction for targets of different luminances p 58 A86-17351 p 58 A86-17351 Neural dynamics of perceptual grouping - Textures, boundaries, and emergent segmentations [AD-A165648] p 70 A86-17352 Visual perception and memory: Information processes and neuron mechanisms --- Russian book

p 52 A86-18744

p 94 A86-20900

Velocity coding - Evidence from perceived velocity

p 130 A86-23733

p 178 A86-28452

The detection and identification of pictorial changes
between successive presentations p 129 A86-23721  Does location cueing increase the efficiency of the early
stages of perceptual processing? p 129 A86-23722
Acquisition of perceptual-motor skill - Adaptive and
part-whole training p 129 A86-23727 The effects of aerial perspective on altitude estimation
p 130 A86-23730
Perceptual-motor coordination and adaptation during
locomotion - Determinants of prism adaptation in hall exposure p 131 A86-24324
Dual hemispheric processing in a letter matching task
p 131 A86-24325
Effect of vibration on the readability of color CRT displays
[SAE PAPER 841466] p 146 A86-26009
Visual distortion - The correlation model
[SAE PAPER 841595] p 114 A86-26026
The effects of the contrast, spatial frequency, and temporal frequency of a surrounding field upon the
detection thresholds of gratings p 132 A86-26293
Suprathreshold contrast perception as a function of
spatial frequency p 133 A86-26295 Overall similarity and the identification of
separable-dimension stimuli - A choice model analysis
p 133 A86-26296
Suppression of visible persistence in apparent motion p 133 A86-26298
Vision in spatial disorientation (SDO) and loss of
situational awareness p 226 A86-29853
Sources of optical information and their metrics for detecting loss in altitude p 230 A86-29903
Increasing sensitivity to optical information specifying
loss in altitude p 230 A86-29904
Perception of altitude in the low and medium altitude ranges p 231 A86-29907
Perceptual 'traps' of the visual system
p 233 A86-30360
Neuronal responses and the evoked potentials in subcortical structures of the human brain during visual
recognition. II - The effect of stimuli relevance on the
evoked neuronal responses p 216 A86-30894
Bigness is in the eye of the beholder size and distance perception of pilots in flight p 233 A86-31820
perception of pilots in flight p 233 A86-31820 Effects of adaptation and display luminance on CRT
symbol recognition time p 240 A86-32315
Shadow mask display visibility - Human thresholds for
perception of micropyergence effects
perception of misconvergence effects p 268 A86-33798
p 268 A86-33798 Resolution and scene detail performance of the visual
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482
p 268 A86-33798 Resolution and scene detail performance of the visual
P 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems Their importance in simulation p 381 A86-40485 What is the parameters for the prediction of seasickness
Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40485 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for
P 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems Their importance in simulation p 381 A86-40485 What is the parameters for the prediction of seasickness
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40485 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40485 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations
Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482. The human dual visual systems - Their importance in simulation p 381 A86-40485. What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645. The detection of various color combanisms under different chromatic ambient illuminations p 378 A86-41783
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40485 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED
Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482. The human dual visual systems - Their importance in simulation p 381 A86-40485. What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645. The detection of various color combanisms under different chromatic ambient illuminations p 378 A86-41783
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40485 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729 Spatial organization of components of the visual evoked
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40485 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40485 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-4729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40485 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments p 15 N86-10769
P 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40485 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-4729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments p 15 N86-10769 The synthesis and analysis of color images
P 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation P 381 A86-40482 The human dual visual systems - Their importance in simulation P 381 A86-40485 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction P 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations P 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water P 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency P 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments P 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] P 20 N86-10777
P 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments
P 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation P 381 A86-40482 The human dual visual systems - Their importance in simulation P 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction P 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations P 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water P 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency P 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments P 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] P 20 N86-10777 Mild hypoxia and visual performance with night vision goggles [AD-4156969] P 23 N86-10787
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments p 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] p 20 N86-10777 Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787 Criteria for a state-of-the-art vision test system
P 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation P 381 A86-40482 The human dual visual systems - Their importance in simulation P 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction P 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations P 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water P 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency P 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments P 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] P 20 N86-10777 Mild hypoxia and visual performance with night vision goggles [AD-4156969] P 23 N86-10787
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments p 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] p 20 N86-10777 Mild hypoxia and visual performance with night vision goggles [AD-A15699] p 23 N86-10787 Criteria for a state-of-the-art vision test system [AD-A157099] p 45 N86-12973 Enhancing sensitivity to visual motion and enhancing visual sensitivity
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments p 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] p 20 N86-10777 Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787 Criteria for a state-of-the-art vision test system [AD-A157099] p 45 N86-12973 Enhancing sensitivity to visual motion and enhancing visual sensitivity
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments p 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] p 20 N86-10777 Mild hypoxia and visual performance with night vision goggles [AD-A15699] p 23 N86-10787 Criteria for a state-of-the-art vision test system [AD-A157099] p 45 N86-12973 Enhancing sensitivity to visual motion and enhancing visual sensitivity
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments p 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] p 20 N86-10777 Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787 Criteria for a state-of-the-art vision test system [AD-A157099] p 45 N86-12973 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] p 40 N86-13889 Pilot-oriented performance measurement [AD-A158849] p 40 N86-13890 A psychophysiological mapping of cognitive processes
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments p 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] p 20 N86-10787 Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158849] p 40 N86-13895 Pilot-oriented performance measurement [AD-A158849] p 40 N86-13895 A psychophysiological mapping of cognitive processes [AD-A158732] p 43 N86-13895
P 268 A86-33798  Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482  The human dual visual systems - Their importance in simulation p 381 A86-40482  What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645  The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783  Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729  Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264  Determination of symmetry and phase in human visual response functions: Theory and experiments p 15 N86-10769  The synthesis and analysis of color images [NASA-TM-8844] p 20 N86-10777  Mild hypoxia and visual performance with night vision goggles  [AD-A156969] p 23 N86-10787  Criteria for a state-of-the-art vision test system [AD-A15799] p 45 N86-12973  Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A15849] p 40 N86-13890  A psychophysiological mapping of cognitive processes [AD-A158732] p 43 N86-13895  The spatial and temporal parameters of velocity
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water p 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency p 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments p 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] p 20 N86-10787 Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158849] p 40 N86-13895 Pilot-oriented performance measurement [AD-A158849] p 40 N86-13895 A psychophysiological mapping of cognitive processes [AD-A158732] p 43 N86-13895
P 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation P 381 A86-40482 The human dual visual systems - Their importance in simulation P 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction P 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations P 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water P 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency P 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments P 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] P 20 N86-10777 Mild hypoxia and visual performance with night vision goggles [AD-A15699] P 23 N86-10787 Criteria for a state-of-the-art vision test system [AD-A157099] P 45 N86-12973 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158849] P 40 N86-13889 P 40 N86-13889 P 40 N86-13889 A psychophysiological mapping of cognitive processes [AD-A158732] P 43 N86-13895 The spatial and temporal parameters of velocity discrimination
P 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation P 381 A86-40482 The human dual visual systems - Their importance in simulation P 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction P 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations P 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water P 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency P 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments P 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] P 20 N86-10777 Mild hypoxia and visual performance with night vision goggles [AD-A156969] P 23 N86-10787 Criteria for a state-of-the-art vision test system [AD-A15699] P 45 N86-12973 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] P 40 N86-13889 P 40 N86-13889 P 40 N86-13890 A psychophysiological mapping of cognitive processes [AD-A158732] P 40 N86-13890 A psychophysiological mapping of cognitive processes [AD-A158732] P 43 N86-13895 The spatial and temporal parameters of velocity discrimination [AD-A158735] P 43 N86-13896 Assessment of visuospatial abilities using complex cognitive tasks
p 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 The human dual visual systems - Their importance in simulation p 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations
P 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation P 381 A86-40482 The human dual visual systems - Their importance in simulation P 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction P 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations P 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water P 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency P 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments P 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] P 20 N86-10777 Mild hypoxia and visual performance with night vision goggles [AD-A156969] P 23 N86-10787 Criteria for a state-of-the-art vision test system [AD-A15699] P 45 N86-12973 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] P 40 N86-13889 P 40 N86-13889 P 40 N86-13890 A psychophysiological mapping of cognitive processes [AD-A158732] P 40 N86-13890 A psychophysiological mapping of cognitive processes [AD-A158732] P 43 N86-13895 The spatial and temporal parameters of velocity discrimination [AD-A158735] P 43 N86-13896 Assessment of visuospatial abilities using complex cognitive tasks
P 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation P 381 A86-40482 The human dual visual systems - Their importance in simulation P 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction P 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations P 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water P 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency P 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments P 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] P 20 N86-10777 Mild hypoxia and visual performance with night vision goggles [AD-A15699] P 23 N86-10787 Criteria for a state-of-the-art vision test system [AD-A157099] P 45 N86-12973 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158849] P 40 N86-13889 P 40 N86-13889 P 40 N86-13889 P 40 N86-13890 A psychophysiological mapping of cognitive processes [AD-A158732] P 43 N86-13895 The spatial and temporal parameters of velocity discrimination [AD-A158735] P 43 N86-13896 Assessment of visuospatial abilities using complex cognitive tasks [AD-A15899] P 70 N86-14889 Investigation of factors determining pilot's geocentric corientation P 72 N86-15868
P 268 A86-33798 Resolution and scene detail performance of the visual system in flight simulation P 381 A86-40482 The human dual visual systems - Their importance in simulation P 381 A86-40482 What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction P 377 A86-41645 The detection of various color combinations under different chromatic ambient illuminations P 378 A86-41783 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense smoke and turbid water P 417 A86-47729 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency P 419 A86-49264 Determination of symmetry and phase in human visual response functions: Theory and experiments P 15 N86-10769 The synthesis and analysis of color images [NASA-TM-86844] P 20 N86-10777 Mild hypoxia and visual performance with night vision goggles [AD-A156969] P 23 N86-10787 Criteria for a state-of-the-art vision test system [AD-A158969] P 23 N86-12973 Enhancing sensitivity to visual motion and enhancing visual sensitivity [AD-A158800] P 40 N86-13889 Piot-oriented performance measurement [AD-A158849] P 40 N86-13890 A psychophysiological mapping of cognitive processes [AD-A158732] P 43 N86-13895 The spatial and temporal parameters of velocity discrimination [AD-A158735] P 43 N86-13896 Assessment of visuospatial abilities using complex cognitive tasks [AD-A158919] P 70 N86-14889 Investigation of factors determining pilot's geocentric orientation P 72 N86-15868

```
VISUAL PIGMENTS
 Binocular image flows: Steps toward stereo - motion
                                                                   Photoconversion from the light-adapted to the
[AD-A1580891
                                      p 67 N86-15901
                                                                dark-adapted state of bacteriorhodopsin
                                                                                                     p 374
 Enhancing visual sensitivity
                                                                  Proton transfer in bacteriorhodopsin --- Russian book
[AD-A158799]
                                      p 68 N86-15906
                                                                                                      p 413 A86-49345
  Visual sensitivities and discriminations and their roles
                                                                  Proton ejection from bacteriorhodopsin --- Russian
in aviation
                                                                                                      p 413 A86-49346
                                      p 69 N86-15907
[AD-A158962]
                                                                   Proton injection into bacteriorhodopsin -
Neuronal response and evoked potentials in subcortical formations in visual perception. Part 1: Problem
                                                                                                      p 414 A86-49347
                                                                   The retinal cycle in bacteriorhodopsin --- Russian book
formulation and principles of solution
                                                                                                      p 414 A86-49348
                                     p 119 N86-19844
                                                                   The rhodopsin-like pigments of halobacteria
  Visual form perception from halftone images
                                                                               and signal transducers in an
um p 415 A86-50271
                                                                 Light-energy
                                     p 120 N86-19847
  Local and global factors in learning
                                                                   Effect of intensive visible light on activity of glutathione
                                      p 136 N86-19904
[AD-A161128]
                                                                 peroxidase in pigmented epithelium of eye
                                                                                                      p 210 N86-23226
  Contributions to workload of rotational optical
                                                               VISUAL SIGNALS
transformations
                                      p 171 N86-21106
[NASA-CR-176542]
                                                                   Effect of wearing chemical protective clothing in the heat
  Spatial illusions of vestibular genesis during flights in
                                                                 on signal detection over the visual field
                                                                                                      p 145 A86-25657
                                                                 [AD-A164945]
                                      p 172 N86-21115
aircraft
                                                                   A purely central movement aftereffect induced by
  Device for combined study of visual tracking and verbal ctivity p 175 N86-21133
                                                                 binocular viewing of dynamic visual noise
activity
                                                                                                      p 133 A86-26297
  An automated system for comprehensive assessment
                                                                   Visual cue dominance hierarchies - Implications for
 of visual field sensitivity
                                                                 simulator design
[AD-A162755]
                                      p 178 N86-22104
                                                                 [SAE PAPER 851946]
                                                                                                      p 265 A86-36947
   Visual perception in correlated noise
                                                                   An automated system for comprehensive assessment
                                      p 181 N86-22106
                                                                 of visual field sensitivity
   Method of changes in reversible pattern masking as
                                                                                                      p 178 N86-22104
                                                                  AD-A162755
                                      p 221 N86-23263
 factor in visual perception
                                                               VISUAL STIMULI
   Visual hemispheric specialization: A computational
                                                                   Thermovisual indicators of brain reactions to visual
 theory
                                                                 stimuli
                                                                                                         p 9 A86-10695
 [AD-A161296]
                                      p 235 N86-23279
                                                                   Prestimulus EEG and evoked potentials in man during
   Optical and event-duration variables
                                               affecting
                                                                 the recognition of a meaningful light stimulus
                                                                                                         p 9 A86-10697
 self-motion perception
 [AD-A161836]
                                      p 223 N86-24194
                                                                    Spatial location and hyperacuity - The centre/surround
   Emergent techniques for assessment of visual
                                                                 localization contribution function has two substrates
  erformance
                                                                                                        p 19 A86-12061
                                      p 258 N86-25988
 PB86-1447551
                                                                    The effect of high spatial frequencies on visual
                                                                                                        p 41 A86-15524
                                                                  recognition processes
   Visual Protection and Enhancement
                                                                    Invariant tuning of motion aftereffect
                                      p 283 N86-26802
 [AGARD-CP-379]
                                                                                                        p 94 A86-20899
 Particular problems of airworthiness ophthalmological view p 283
                                               from an
                                      p 283 N86-26812
                                                                    Does location cueing increase the efficiency of the early ages of perceptual processing? p 129 A86-23722
                                                                 stages of perceptual processing?
   Computer visual simulation of contrast sensitivity deficits
                                                                    A digital image processing facility for human factors
 induced by laser and chemical antidote exposure
                                                                                                       p 143 A86-23737
                                                                    Dual hemispheric processing in a letter matching task
   Eye protection against intense light sources
                                                                                                       p 131 A86-24325
                                      p 284 N86-26818
                                                                    Sensitivity to phase distortions in central and peripheral
   Studies on information processing mechanisms in the
                                                                                                       p 133 A86-26294
 central visual system of the cat
                                                                    Suprathreshold contrast perception as a function of patial frequency p 133 A86-26295
Overall similarity and the identification of
 [EL-861]
                                       p 277 N86-27865
   Medical Selection and Physiological Training of Future
                                                                  spatial frequency
 Fighter Aircrew
                                                                  separable-dimension stimuli - A choice model analysis
 [AGARD-CP-396]
                                       p 398 N86-30309
                                                                                                       p 133 A86-26296
   Computer analysis of visual and vestibular oculomotor
                                                                    A purely central movement aftereffect induced by
 function in the medical selection of fighter aircrew
                                       p 400 N86-30319
                                                                  binocular viewing of dynamic visual noise
                                                                                                        p 133 A86-26297
    Visual capabilities related to fighter aircrew performance
                                      p 400 N86-30320
 in the F-14 and adversary aircraft
                                                                    Suppression of visible persistence in apparent motion
                                                                                                        p 133 A86-26298
    Vision test battery threshold and response time as
                                                                    Comparison of transient and steady state cortical evoked
  predictors of air-to-air visual target acquisition in F-14 and
                                       p 400 N86-30321
  adversary aircraft
                                                                                                        p 183 A86-28431
                                                                    A linear, dynamic model for the visual-cortical evoked
    The effect of spectrally selective filters on visual search
                                                                   response system
                                                                                                        p 183 A86-28432
  performance
                                                                    Feature positive coding effects on object localization
  [AD-A165835]
                                       p 404 N86-30329
                                                                                                        p 267 A86-33789
    The importance of specialized cognitive function in the
                                                                    Event-related brain potentials and intermodal divided
  selection of military pilots
                                                                                                        p 262 A86-33821
  [AD-A165889]
                                       p 404 N86-30330
                                                                  attention
                                                                    Variability analysis of visually induced responses in the
    Novel architectures for image processing based on
                                                                   midst of noise
  computer simulation and psychophysical studies of human
                                                                   [B8564052]
                                                                                                         p 16 N86-10774
  visual cortex
                                                                    Thermovisual indicators of brain response to visual indicators of brain response to visual p 119 N86-19843
  [AD-A166222]
                                       p 404 N86-30333
    Variable contrast direct read-out vision teste
                                       p 423 N86-32955
                                                                    Studies on information processing mechanisms in the
  [AD-D012273]
    Implementation of models for the transient division
                                                                   central visual system of the cat
                                                                   [EL-861]
                                                                                                        p 277 N86-27865
   system of spatio-temporal visual perception
                                                                    Studies on visual information processing in retinal
                                       p 425 N86-32965
  [ETN-86-97533]
    A model of the transient part of the spatio-temporal
                                                                                                        p 288 N86-27906
  perception, containing a two-dimensional long fiber
                                        p 426 N86-32966
                                                                    Division of attention as a function of the number of steps,
  IETN-86-975401
                                                                    visual shifts, and memory load
    Descriptive Linear modeling of steady-state visual
                                                                   [NASA-TM-88775]
                                                                                                        p 404 N86-30328
                                       p 436 N86-32977
  evoked response
                                                                     Auditory versus visual selective-attention tasks
    Analytical comparison of transient and steady state
                                       p 436 N86-32978
                                                                   [IZF-1985-19]
                                                                                                        p 427 N86-32100
   visual evoked cortical potentials
                                                                 VISUAL TASKS
    Force/torque display for space teleoperation control
                                                                    Human pilot parameter identification for a simulated ir-to-ground target acquisition task p 18 A86-10157
  experiments and evaluation
                                        p 440 N86-33002
                                                                   air-to-ground target acquisition task
    A model for the human's use of visual field cues in
                                        p 441 N86-33004
                                                                     The effects of simulator and aircraft motion on eye scan
  nap-of-the-Earth flight
     Virtual space and 2-dimensional effects in perspective splays p 441 N86-33005
                                                                                                        p 128 A86-23709
                                                                   behavior
                                                                     The effects of redundancy, target density and practice
  displays
     The development and evaluation of color systems for
                                                                   on a complex visual search task
                                                                                                        p 142 A86-23712
                                                                     Event-related potential indices of workload in a single
   airborne applications: Fundamental visual, perceptual and
```

task paradigm

Visual scanning behavior

p 443 N86-33020

display systems considerations

[AD-A168563]

The effect of	using speech	n generation and recognition
systems on the	performance	of discrete tasks
		44

p 227 A86-29863

Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867

Visual lobe area for single targets on a competing homogeneous background p 234 A86-31821 The interfering effects of processing code on visual memory p 259 A86-33782

To speak or not to speak - A multiple resource perspective p 259 A86-33784

Visual-search efficiency --- Russian book

p 271 A86-36695 Visual display requirements for boom operator training in aerial refueling p 383 A86-40486

Preferred declination of the line of sight p 406 A86-45014

Enhanced detection in the aperture of focal attention during simple discrimination tasks p 403 A86-45955 Investigating the ocular fixation of targets as an anthropotechnical research method in man-machine p 433 A86-47772

Visual information transfer. Part 1: Assessment of specific information needs. Part 2: Parameters of appropriate instrument scanning behavior

[NASA-CR-176277] p 21 N86-11850 An analysis of visual tasks in helicopter shipboard landina

[AD-A161101] p 136 N86-19903 Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30317

Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30329

Auditory versus visual selective-attention tasks

(IZF-1985-191 p 427 N86-32100 A design guide for visual displays and manual tasks in ribration environments. Part 1: Visual displays

[ISVR-TR-133-PT-1] D 442 N86-33014 VITAMINS

Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p 13 N86-10750 Effect of different doses of ultraviolet radiation on vitamin

levels in man D 287 N86-27893 VOICE COMMUNICATION The effect of asymmetric transfer on dual-task

sessment of voice technology p 141 A86-23702 U.S. Army helicopter voice technology applications SAE PAPER 841609] p 147 A86-26028 [SAE PAPER 841609] Comparison of voice types for helicopter voice warning . systems

[SAE PAPER 841611] p 147 A86-26030 Advanced technology - New fixes or new problems? --- for helicopter voice warning systems

p 147 A86-26031 Improving intelligibility in audio distribution systems p 186 A86-28513

A comparison of voice and keyboard data entry for a helicopter navigation system p 237 A86-29859 Development of a comprehensive voice message vocabulary for tactical aircraft p 237 A86-29861 Voice analyzer for evaluating pilot's condition

D 64 N86-14886 VOICE CONTROL

Selecting cockpit functions for speech I/O technology p 185 A86-28446

Voice and manual control in dual task situations p 262 A86-33826

Voice analyzer for evaluating pilot's condition p 64 N86-14886

The effects of voice and manual control mode on dual task performance p 438 N86-32987

VOICE DATA PROCESSING

Selecting cockpit functions for speech I/O technology P 185 A86-28446

Effects of speech rate and pitch contour on the perception of synthetic speech p 234 A86-31824 VOLCANOLOGY

Stromatolites from the 3,300-3,500-Myr Swaziland Supergroup, Barberton Mountain Land, South Africa p 155 A86-26490

Effects of lunar soil, Zagami meteorite, and ocean ridge basalt on the excretion of itoic acid, a siderophore, and coproporphyrin by Bacillus subtilis P 412 N86-31421 VOMITING

Animal models of motion sickness - Are nonemetic species an appropriate choice? p 193 A86-30393 Sudden emesis following parabolic flight maneuvers Implications for space motion sickness

p 250 A86-33759

#### WAKFFULNESS

Electrical activity of cerebellum in the wakefulness-sleep p 157 A86-29255 of wakeful Intradiumial organization wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature Crew factors in flight operations. Part 4: Sleep and wakefulness in international aircrews [NASA-TM-88231] p 379 N86-28613 WALKING

Drop foot corrective device

[NASA-CASE-LAR-12259-2] D 188 N86-22112 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A1650141 p 289 N86-27916

WALKING MACHINES

Teleoperation of legged vehicles - Unique problems associated with walking and foot placement

p 268 A86-33811 WARFARE

Use of artificial intelligence and psychology in the analysis of command and control commendere [STC-TM-749]

p 427 N86-32095 The psychology of decision making -- military pmmanders p 427 N86-32096 commanders Artificial intelligence and the Rule Oriented System Simulation (ROSS) language --- military commanders

p 427 N86-32097

Anticipatory adjustments during a warning interval -Cortical negativity and perceptual sensitivity p 261 A86-33818

WARNING SYSTEMS

Comparison of voice types for helicopter voice warning [SAE PAPER 841611] p 147 A86-26030

Advanced technology - New fixes or new problems? --- for helicopter voice warning systems p 147 A86-26031

Speech compression as a potential aid to automated voice warnings in the cockpit p 185 A86-28445
Development of a comprehensive voice message rocabulary for tactical aircraft p 237 A86-29861 WASHING

A study to define a set of requirements for cleansing agents for use in the Space Station whole body show [NASA-CR-171910] p 99 N86-16903

WASTE DISPOSAL

Wet oxidation of a spacecraft model waste [SAE PAPER 851372] p 140 A86-23555

Supercritical waste oxidation of aqueous wastes p 150 N86-19922

Observations on gas exchange and element recycle within a gas-closed algal-mouse system p 150 N86-19924

WASTE TREATMENT

Wet-oxidation waste management system for CELSS [SAE PAPER 851398] p 141 A86-23575

Solid waste treatment processes for space station p 47 N86-14091

Plan for CELSS test bed project p 149 N86-19915 Carbon dioxide evolution rate as a method to monitor and control an aerobic biological waste treatment system p 151 N86-19930

WASTE UTILIZATION

Sodium and potassium ecosystem-space agriculture cycle in closed p 144 A86-25199 recycle Environmental considerations and waste planning on the lunar surface p 239 A86-30149 BLSS, a European approach to CELSS

p 148 N86-19908

Utilization of membranes for H2O recycle system p 148 N86-19910

**WASTE WATER** 

Membrane-based water- and energy-recovery systems for the manned space station

[SAE PAPER 851345] p 139 A86-23531 Phase change water processing for Space Station [SAE PAPER 851346] n 139 A86-23

p 139 A86-23532 Water quality monitor for recovered spacecraft water [SAE PAPER 851347] p 139 A86-23533

Utilization of membranes for H2O recycle system [SAE PAPER 851394] p 141 A86-23571

Supercritical waste oxidation of aqueous wastes p 150 N86-19922

Static feed water electrolysis system for Space Station O2 and H2 generation

[SAE PAPER 851339] p 138 A86-23526 Photochemical reactions in interstellar grains photolysis

of CO, NH3, and H2O p 189 A86-28721

Implementing supercritical water oxidation technology in a lunar base environmental control/life support system p 240 A86-30167

Physiology/biochemistry of photoactivation of O2 volution: Probes for the S-state protein [DE85-016834]

D 53 NR6-14R43 Tritium ingestion in rats p 58 N86-15895 Utilization of membranes for H2O recycle system

p 148 N86-19910 Gas and water recycling system for IOC vivarium n 150 N86-19920 Water recycling system using thermopervaporation ethod p 150 N86-19921 Photolysis products of CO, NH3 aND H2O and their significance to reactions on interstellar grains

D 298 NR6-26849 Development of U.S. Army reverse osmosis water purification equipment [AD-A165667] D 385 N86-28621

WATER BALANCE

Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance р8

Water excretion and natriuretic function in the kidneys of rats adapted to cold p 3 A86-12520 Changes in the blood electric conductivity caused by p 3 A86-12520

body immersion ody immersion p 90 A86-22543 Mechanism for negative water balance during weightlessness An hypothesis p 91 A86-22664 Cardiovascular receptors and fluid volume control (1985 Armstrong Lecture)

p 157 A86-29099 Effects of gravity on the fluid balance and distribution in man p 214 A86-30383 p 214 A86-30384 Volume regulating hormones

Fluid and electrolyte control in simulated and actual spaceflight p 214 A86-30385 Mechanisms for negative water balance during weightlessness Immersion or bed rest?

p 214 A86-30386 Effects of mechanical stresses, abscisic acid, and outdoor exposure on growth and water relations of p 196 A86-30416 Transient dehydration of lungs in tail-suspended rats

p 200 A86-30438 Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt

p 253 A86-36311 WATER CONSUMPTION

Stimulation of brain muscarinic acetylcholine receptors cutely reverses radiogenic hypodipsia

[AD-A167057] p 156 A86-29096 WATER HEATING

Development of thermoelectric water heating-cooling devices [AD-A166949]

p 409 N86-31221 WATER IMMERSION

Cold water immersion test of prototype anti-exposure suits for aircrews uits for aircrews p 44 A86-13942 Immersion cooling - Effect of clothing and skinfold

thickness [AD-A163427] p 59 A86-18837 How much inherent buoyancy is acceptable in a

helicopter passenger immersion suit p 96 A86-19310 The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Hand grip strength decrease related to hand skin

temperature drop during six-hour ice cold water immersion p 86 A86-19348 Effects of raised body temperature on reasoning, memory, and mood p 86 A86-20002

Comparative cold responses of men and women to external and internal cold stimuli p 87 A86-20403 Cardiorenal-endocrine responses to head-out immersion

p 91 A86-22666 Effects of body mass and morphology on thermal responses in water p 162 A86-28123

Ship/rig personnel abandonment and helicopter crew/passenger immersion suits - The requirements in the North Atlantic orth Atlantic p 187 A86-29100 Mechanisms for negative water balance during weightlessness Immersion or bed rest?

p 214 A86-30386 Human thermoregulatory responses to cold air are altered by repeated cold water immersion

p 281 A86-39094 Effect of head-out water immersion on response to exercise training p 396 A86-44194 The changing face of constant wear anti-exposure

protection --- of Naval aircrewmen against immersion hypothermia p 431 A86-47749 A comparison of the protection against immersion

hypothermia provided by Coast Guard anti-exposure clothing in calm versus rough seas [AD-A158413] p 75 N86-14898 Effect of 7-day immersion hypokinesia on characteristics of precision movements p 65 N86-15874

Human thermoregulatory responses to cold air are	Factors influencing carboxyhemoglobin stability	Changes in functional metabolism in the rat central
altered by repeated cold water immersion	[AD-A165032] p 289 N86-27918	nervous system following spaceflight
[AD-A158871] p 68 N86-15904	WEAPONS DELIVERY	p 199 A86-30433
Blood serum enzymes during 7-day water immersion	Operator loading effects in a simulated tactical	Microvascular flow adjustments with postural changes
p 287 N86-27902	decision-making problem p 130 A86-23739	in humans p 215 A86-30448
WATER LANDING	WEAR	Responses of amino acids in hindlimb muscles to
One aspect of crew training p 72 N86-15885	Improvement in wear performance of surgical Ti-6Al-4V	recovery from hypogravity and unloading by tail-cast
WATER POLLUTION	alloy by ion implantation of nitrogen or carbon	suspension p 202 A86-30456
DNA analysis of epithelial cell suspensions	[DE85-013986] p 18 N86-11849	Muscle protein and glycogen responses to recovery from
[DE86-002403] p 249 N86-25977	The effects of hypoxia induced by low atmospheric	hypogravity and unloading by tail-cast suspension
WATER QUALITY	pressure on soft contact lens wear	p 202 A86-30457
Water quality monitor for recovered spacecraft water	[AD-A158556] p 38 N86-12963	Effects of weightlessness on neurotransmitter receptors
[SAE PAPER 851347] p 139 A86-23533	WEATHER	in selected brain areas p 203 A86-30462
Hygienic aspects of water supply for chamber sanitary	Objective investigations and subjective observations of	Morphological and biochemical changes in soleus and
facilities, changes of divers' bacterial mouth flora and	sensitivity to weather p 165 N86-21023	extensor digitorum longus muscles of rats orbited in
effectiveness of ear prophylaxis in saturation dives	Colloidal and meteorological in vitro reactions	Spacelab 3 p 203 A86-30464
p 124 N86-19874	p 165 N86-21024	Otoconial morphology in space-flown rats
WATER RECLAMATION	Weather and migraine p 166 N86-21027	p 204 A86-30470
Phase change water processing for Space Station	Weather and asthma symptoms p 166 N86-21029	Morphologic and histochemical studies of bone cells
[SAE PAPER 851346] p 139 A86-23532	Immission and weather effects on children's airway	from SL-3 rats p 205 A86-30473
Water quality monitor for recovered spacecraft water	illnesses in Berlin (1979-1982): Methodology and result	Atriopetin (AP-3) in atria and plasma of rats orbited
[SAE PAPER 851347] p 139 A86-23533	summary p 168 N86-21040	aboard NASA Spacelab (SL3) for seven days
Thermoelectric integration membrane evaporation	What in human biometeorology can contribute to	p 205 A86-30477
subsystem water recovery - Technology update	assessment of the effects of hazardous substances on	Catching zzzs in zero-G p 217 A86-31150
[SAE PAPER 851348] p 139 A86-23534	health? p 168 N86-21043	Comparison of human impact response in restraint
Description of concept and first feasibility test results	Meteorological adaptation research at biology institute	systems with and without a negative G strap
of a life support subsystem of the Botany Facility based	p 211 N86-23257	p 249 A86-33754
on water reclamation	WEATHER FORECASTING	Planaria regeneration in zero gravity
[SAE PAPER 851397] p 104 A86-23574	Meteorological adaptation research at biology institute	p 245 A86-34984
The retrieval, storage, and recycling of water for a	p 158 N86-20890	The role of gravity in producing digestive system
manned base on Mars	Study of a meteorological prediction of acute myocardial	changes p 391 A86-43677  Development and testing of a mouse simulated space
[AAS 84-180] p 186 A86-28806	infarction incidence p 166 N86-21030	
Water supply for a manned Mars base	The Austrian biometeorological service	flight model [NASA-CR-176359] p 29 N86-13878
[AAS 84-181] p 186 A86-28807	p 167 N86-21034	Energy exchange of plants under weightlessness
Catalytic distillation water recovery subsystem	WEIGHT (MASS)	conditions p 30 N86-14162
[NASA-CR-177382] p 99 N86-16902	Energy expenditure and activity patterns of cadets at	Metabolic distinctions of human red blood during
WATER RESOURCES	the United States Military Academy, West Point, New	long-term spaceflights p 60 N86-14850
Development of U.S. Army reverse osmosis water	York	Human body biomechanics and movements after
purification equipment	[AD-A157857] p 38 N86-12960	120-day antiorthostatic hypokinesia p 60 N86-14851
[AD-A165667] p 385 N86-28621	A comparison of the effects of circuit weight training	Functional activity of human serotoninergic and
WATER TREATMENT	on men and women [AD-A159419] p 69 N86-15910	histaminergic systems during long-term antiorthostatic
Membrane-based water- and energy-recovery systems	[AD-A159419] p 69 N86-15910 Effectiveness of an air-cooled vest using selected air	hypokinesia p 60 N86-14852
for the manned space station [SAE PAPER 851345] p 139 A86-23531	temperature and humidity combinations	Body position during hypokinesia, and fluid-electrolyte
Environmental Control and Life Support Systems	[AD-A162026] p 242 N86-24219	metabolism p 60 N86-14853
technology options for Space Station application	A lightweight impermeable suit for chemical protection	Microcirculation and cellular hemostasis in men with
[SAE PAPER 851376] p 140 A86-23559	in warm conditions: A preliminary look at the concept	borderline arterial hypertension submitted to
Utilization of membranes for H2O recycle system	[AD-A164687] p 295 N86-26839	neutral-temperature dry immersion in water
[SAE PAPER 851394] p 141 A86-23571	WEIGHTLESSNESS	p 61 N86-14854
Utilization of membranes for H2O recycle system	The human cardiovascular system in the absence of	Effect of positive pressure breathing on hemodynamics
p 148 N86-19910	gravity	in patients with borderline hypertension submitted to water
Description of concept and first feasibility test results	[IAF PAPER 85-315] p 35 A86-15825	immersion p 61 N86-14855
of a life support subsystem of the Botany Facility based	Quantitative evaluation of human arterial baroreceptor	Changes in physical condition, vestibular function and
on water reclamation p 149 N86-19912	reflexes	bone system of rats submitted to long-term rotation
Water recycling system using thermopervaporation	[IAF PAPER 85-317] p 36 A86-15827	p 54 N86-14857
method p 150 N86-19921	Red blood cell decreases of microgravity	Contractile properties of rat muscle fibers during
Supercritical waste oxidation of aqueous wastes	[IAF PAPER 85-324] p 36 A86-15829	long-term exposure to +2 Gx accelerations
p 150 N86-19922	Understanding metabolic alterations in space flight using	p 54 N86-14858
Reverse osmosis water purification system	quantitative models - Fluid and energy balance	Hemodynamic parameters as related to different
p 384 N86-28291	[IAF PAPER 85-325] p 36 A86-15830	tolerance to head-pelvis accelerations
Development of U.S. Army reverse osmosis water	Some results of a study of the bioenergetics of rat muscle	p 61 N86-14859
purification equipment	in weightlessness p 49 A86-16754	Effect of dry immersion model on parameters of
[AD-A165667] p 385 N86-28621	Mechanism for negative water balance during	fluid-electrolyte metabolism, blood plasma aldosterone
Evaluation of water sterilizing tablets	weightlessness An hypothesis p 91 A86-22664	and cortisol levels in individuals differing in body fluid
[AD-A165806] p 385 N86-28622	Human physiological adaptation to extended Space	content p 65 N86-15875
Defining reclaimed water potability requirements	Flight and its implications for Space Station	Determination of increment of Bacillus subtilis biomass
p 410 N86-31422	[SAE PAPER 851311] p 110 A86-23502	in weightlessness p 57 N86-15881
WAVE DIFFRACTION	Anabolic steroids as a countermeasure against bone	Investigation of possibility of using two-frequency
The application of diffraction optics techniques to laser eye protection p 284 N86-26821	demineralization during space flight p 114 A86-25662	impedometry for estimation of proportion of total and
eye protection p 284 N86-26821 WAVEFORMS	Countermeasures for the effects of prolonged	extracellular body fluids p 66 N86-15888
Monitoring of circadian waveforms in rodents exposed	weightlessness [AAS 84-187] p 162 A86-28813	Summaries of 1984-85 NASA space-gravitational
to high-intensity static magnetic fields	[AAS 84-187] p 162 A86-28813 Effect of weightlessness on the development of	biology accomplishments
[DE85-015225] p 28 N86-12952	neurosecretory structures of the	[NASA-TM-88379] p 107 N86-18950
Modeling electrocardiograms using interacting Markov	hypothalamo-hypophyseal system of the rat brain	The beginnings of airborne weightlessness research
chains	(Electron-microscope study) p 157 A86-29174	[AD-A160575] p 115 N86-18966
[AD-A162758] p 178 N86-22105	Concerns are being raised about living in the space	Skeletal response to short-term weightlessness
Studies on accurate measurements and analyses of	environment p 163 A86-29499	[NASA-TM-88778] p 379 N86-29496
human olfactory evoked potentials	Aerosol deposition along the respiratory tract at zero	Weightlessness simulation: Physiological changes in fast
[EL-863] p 288 N86-27907	gravity - A theoretical study p 213 A86-30169	and slow muscle
WEAK INTERACTIONS (FIELD THEORY)	Comparative analysis of hypo - and hyper-gravity effects	[NASA-CR-176945] p 380 N86-29498
Investigation on the chirality of electrons from Sr-90-Y-90	on prenatal development of mammals	Proceedings and program draft in Gravitational Biology
beta-decay and their asymmetrical interactions with D- and	p 191 A86-30377	in the Federal Republic of Germany
L-alanines p 243 A86-33390	Effects of gravity on the fluid balance and distribution	[DFVLR-MITT-85-16] p 387 N86-29514
WEAPON SYSTEMS	in man p 214 A86-30383	The role of the DFVLR project management life sciences
Cockpit automation technology p 142 A86-23724	Investigations of higher plants under weightlessness	in the space program of the Federal Republic of
Incorporating human operator considerations into	p 192 A86-30388	Germany p 387 N86-29515
existing weapon system analysis and quantification	Correlated light and electron microscopy of the	A theoretical concept for state changes and shape
capabilities p 184 A86-28438	vasculature of cortical bone in rat femora and tibiae	changes in weightlessness p 387 N86-29516
A workload analysis for strategic conventional standoff	p 193 A86-30395	
capability missions p 268 A86-33803	Fertilization, development and spicule formation in sea	Some remarks on gravitational biology p 387 N86-29517
Research on the specification and acquisition of	urchins under conditions of constant reorientation relative	Investigations of Paramecium cells analyzed under
maintenance training simulators in the U.S. Air Force	to the gravitation axis p 195 A86-30406	microgravity conditions p 387 N86-29518
p 268 A86-33823	Possible mechanism for changes in glycogen	- · · · · · · · · · · · · · · · · · · ·
Effects of carbon monoxide on personnel	metabolism in unloaded soleus muscle p 198 A86-30427	The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519
[AD-P004882] p 163 N86-20628		

Limb regeneration in amphibians, a suitable model for ations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) p 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29522 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development p.388 N86-29523 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro p 388 N86-29524 A learning model as a basis for investigations of the effects of gravity on the learning processes and memory p 389 N86-29525 Long-term adaptation of the otolith organs p 389 N86-29526 Functional development of gravity receptors in insects and amphibians p 389 N86-29527 Function-dependent plasticity in the nervous system p 389 N86-29528 Questions on the evolution of the developmental program of the vertebrate inner ear under long term zero a conditions p 389 N86-29530 Long duration confinement of aquatic organisms in ghtlessness (aquaspace) p 389 N86-29531 Program draft for a special field: Gravitational biology p 390 N86-29532 The temporal response of bone to unloading [NASA-TM-892281 p 397 N86-30303 Selection of an appropriate animal model for study of bone loss in weightlessness p 412 N86-31436 Special features of surgical intervention under conditions of weightlessness [AD-A167916] p 423 N86-32092 WEIGHTLESSNESS SIMULATION Effect of rotopositioning on the growth and maturation of mandibular bone in immobilized Rhesus monkeys n 106 A86,25650 Cardiovascular receptors and fluid volume control (1985 Armstrong Lecture) p 157 A86-29099 p 214 A86-30384 Volume regulating hormones Fluid and electrolyte control in simulated and actual spaceflight p 214 A86-30385 Mechanisms for negative water balance during weightlessness Immersion or bed rest? p 214 A86-30386 Cardiorespiratory responses to lower body negative pressure and tilt tests after exposure to simulated p 215 A86-30387 The effects of real and simulated microgravity on p 193 A86-30390 tibulo-oculomotor interaction Simulated hypogravity and synaptogenesis in culture p 194 A86-30401 Bone loss during simulated weightlessness - Is it glucocorticoid mediated? p 197 A86-30423 Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on tration on bone p 198 A86-30425 metabolism Altered carbohydrate metabolism in the whole body p 199 A86-30431 Transient dehydration of lungs in tail-suspended rats p 200 A86-30438 The use of suspension models and comparison with true weightlessness --- Animal Model Workshop on Gravitational Physiology p 205 A86-30480 Effect of simulated weightlessness on exercise-induced anaerobic threshold p 250 A86-33756 Hemodynamic response to LBNP following 2 hours HDT (-6 deg) --- lower body negative pressure with head-down p 252 A86-36309 Plasma viscosity elevations with simulated weightlessness p 253 A86-36312 Zero-G simulation verifies EVA servicing of space station [AIAA PAPER 86-23121 p 407 A86-46942 Biochemical responses of Xenopus Laevis muscles to changes in environment. I. - Comparison to Rana Catesbeiana and exposure to gravic environment p 415 A86-50288 Endocrine and fluid metabolism in males and females of different ages after bedrest, acceleration and lower body [NASA-TM-58270] p 39 N86-13886 Investigations of the effects of gravity on Paramecium caudatum structure and behavior DFVLR-FB-85-401 p 56 N86-15863 Effect of 7-day immersion hypokinesia on characteristics

of precision movements

biology accomplishments [NASA-TM-88379]

Summaries of 1984-85 NASA space-gravitational

p 65 N86-15874

p 107 N86-18950

First German Spacelab missions, no. 6 [PR-6] p 118 N86-18979 Vestibular function in older individuals submitted to antiorthostatic hypokinesia for 30 days D 172 NA6-21116 Effect of immersion hypokinesia on characteristics of programmed voluntary movements ogrammed voluntary movements p 173 N86-21119 Cerebral circulation and oxygenation in healthy man during graded exercise in antiorthostatic position p 173 N86-21120 Forced expiration parameters in healthy man submitted to simulated weightlessness p 173 N86-21121 Comparison of bone reactions of rats submitted to clinostatic and antiorthostatic hypokines p 174 N86-21125 Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation) n 174 N86-21126 Effect of active antiorthostatic conditioning on tolerance to cranial redistribution of blood p 175 N86-21135 Effects of simulated weightlessness on regional blood flow specifically during cardiovascular stress [NASA-CR-177117] n 379 N86-20405 Morphology and development of the inner ear of Anurans p 389 N86-29529 Influence of gravity on structure and behavior of Paramecium caudatum [ESA-TT-963] p 416 N86-32087 WEST GERMANY Instructions for flight crew members and flight crew raining and examination guidelines of the West German Federal Board of Transport [REPT-1] Spatial distribution of heat and cold stress in the Federal Republic of Germany p 170 N86-21065 Applied biology and biotechnology, the program of the Federal government, 1985-1988 [ETN-86-969381 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 WHEAT Wheat farming in a lunar base p 191 A86-30165 Wheat response to CO2 enrichment: CO2 exchanges transpiration and mineral uptakes p 152 N86-19932 Effects of NO3(-) and NH4(+) and urea on each other's uptake and incorporation p 152 N86-19933 Studies on maximum yield of wheat for the controlled environments of space p 152 N86-19934 Environmental impact research program. Status and source of habitat models and literature reviews, December [AD-A1568991 p 28 N86-12950 WIND SHEAR Theoretical and experimental analysis of pilot failure detection behavior during various automatic approach conditions INLR-MP-83025-U1 p 72 N86-14895 WIND VELOCITY Weather and subjective health complications in cardiac patients p 167 N86-21032 Thermoregulatory reactions to chilling in ice-cold water in fans of winter swimming p 90 A86-2254
Health and performance of antarctic winter-ove p 90 A86-22544 personnel: A follow-up study AD-A1617731 p 182 N86-22109 WORDS (LANGUAGE) Development of a comprehensive voice message vocabulary for tactical aircraft p 237 A86-29861 Attention within auditory word perception [AD-A162550] p 182 N86-22111 Components of verbal intelligence [AD-A163359] p 290 N86-26828 WORK Adaptive motivation theory [AD-A157440] p 21 N86-11851 Fluid-Electrolyte-Mineral interrelations as affecting work erformance AD-A1653251 p 282 N86-26799 WORK CAPACITY Exercise hyperthermia as a factor limiting physical performance Temperature effect on metabolism p 1 A86-10104 Types of work capacity and the frequency of the development of ischemic heart disease and hypertonic p 34 A86-15516 Prediction of human physical work capacity in high-temperature environments p 34 A86-15522 The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453 The risk of arterial hypertension and the features of functional brain asymmetry in workers employed in regularly repeated expedition-type work p 88 A86-22534

# WORKLOADS (PSYCHOPHYSIOLOGY)

The effect of different regimens of running training on the physical work capacity and blood plasma lipids and lipoproteins in untrained male and female students p 89 A86-22537 Heat adaptation during training ng by graded Calculation method for determining energy expenditures for operators p 90 A86-22567 Responses of skeletal muscle to unloading - A review p 192 A86-30379 Human productivity of Space Station p 268 A86-33813 Controlling of pilot work capacity by psychosomatic self-regulation techniques n 265 A86-36500 The mechanisms of muscle activity regulation in humans depending on biorhythm type p 254 A86-36528 The dynamics of systemic functional organization during adaptation to work in extreme environments p 254 A86-36530 Evaluating the functional status of operators using indices of mental work capacity p 254 A86-36531 Changes in pericardial microcirculation in dogs during adaptation to static muscle loads p 392 A86-45321 The effect of high temperature on the heat exchange and the nutritional status of pilots p 397 A86-45325 The use of cardiac-rhythm statistical characteristics in evaluating mental work capacity p 420 A86-49265 A quick method for evaluating operators' work capacity p 420 A86-49268 The effect of centedrin on the work capacity of p 426 A86-49371 Adaptation of man to extreme conditions of Antarctica p 13 N86-10751 Stimulus structures and mental representations in expert comprehension of computer programs [AD-A157520] p 42 N86-12969 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of level of physical activity on lipid metabolism of flight personnel f flight personnel p 65 N86-15871
Physical fitness as a moderator of cognitive work capacity and fatigue onset under sustained combat-like [AD-A160417] p 134 N86-18982 Comparison of male and female maximum lifting [AD-A160687] p 171 N86-21111 Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872 Physical endurance of rats during intensive and repeated exposure to stationary magnetic field p 279 N86-27894 Effect of time span and task load on pilot mental workload [NASA-CR-177099] **WORK FUNCTIONS** A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 WORK-REST CYCLE Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 Electrical activity of cerebellum in the wakefulness-sleep p 157 A86-29255 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 WORKLOADS (PSYCHOPHYSIOLOGY) Physiological reflections of mental workload p 41 A86-14321 'Actions not as planned' in military air-traffic control p 70 A86-18546 Calculation method for determining energy expenditures for operators p 90 A86-22567 An empirical demonstration of multiple resources p 141 A86-23703 A technology forecasting and assessment method for evaluating system utility and operator workload p 142 A86-23704 Effect of workload on the auditory evoked brainstem p 128 A86-23705 Why do performance and subjective workload measures dissociate? p 129 A86-23726 Personality differences as a moderator of mental workload behavior - Mental workload performance and strain reactions as a function of cognitive complexity p 130 A86-23732 Event-related potential indices of workload in a single task paradigm

p 130 A86-23733

p 130 A86-23745

p 144 A86-23746

p 144 A86-23747

Inflight evaluation of four measures of pilot workload

The effect of intervening task performance on subjective

The use of reflective SWAT for workload assessment

--- Subjective Workload Assessment Technique

workload ratings

	a and the same of	
Aerospace Behavioral Engineering Technology	Space Station crew workload - Station operations and	A simulation study of the effects of sleep deprivation,
Conference, 3rd, Long Beach, CA, October 15-18, 1984,	customer accommodations	time of watch and length of time on watch on watchstanding
Proceedings [SAE P-151] p 145 A86-26001	[SAE PAPER 851803] p 270 A86-35435	effectiveness
Al applications to military pilot decision aiding - A	Workload assessment - Progress during the last	[AD-A167729] p 424 N86-32956
perspective on transition	decade	Twenty-First Annual Conference on Manual Control
[SAE PAPER 841533] p 146 A86-26004	[SAE PAPER 851877] p 270 A86-35440 Heart and respiration rates during a mental task	[NASA-CP-2428] p 436 N86-32976
Subjective workload and individual differences in		Modified Petri net model sensitivity to workload
information processing abilities	performed with varying degrees of success p 254 A86-36526	manipulations p 436 N86-32979
[SAE PAPER 841491] p 132 A86-26011	An informational assessment of changes in the	Levels of Information Processing in a Fitts law task
A review of pilot workload measurement techniques used	physiological characteristics of an operator under different	(LIPFitts) p 436 N86-32980
on the A-10 single seat night attack test program	work regimens p 271 A86-36527	The effects of stimulus modality and task integrality:
[SAE PAPER 841492] p 146 A86-26016	The dynamics of systemic functional organization during	Predicting dual-task performance and workload from
Effects of digital altimetry on pilot workload	adaptation to work in extreme environments	single-task levels p 436 N86-32981
[SAE PAPER 841489] p 132 A86-26019	p 254 A86-36530	The impact of physical and mental tasks on pilot mental
U.S. Army helicopter voice technology applications	Evaluating the functional status of operators using	workoad p 437 N86-32982
[SAE PAPER 841609] p 147 A86-26028	indices of mental work capacity p 254 A86-36531	Memory and subjective workload assessment
Changes in catecholamine excretion during physical and	Review on secondary task technique for workload	p 437 N86-32983
mental workload p 161 A86-28099	assessment Some consideration of secondary task	The effects of acceleration stress on human workload
A linear, dynamic model for the visual-cortical evoked	paradigms and an assessment model	and manual control p 437 N86-32984
response system p 183 A86-28432	p 403 A86-43539	Knowledge-based load leveling and task allocation in
A workload index for iterative crewstation evaluation	Determination of the load and stress on a cockpit crew	human-machine systems p 437 N86-32985
p 184 A86-28433	during flight using tasking networks and the SAINT	Evaluation of 2 cognitive abilities tests in a dual-task
Workload assessment techniques in system redesign	simulation language p 432 A86-47770	environment p 438 N86-32988
p 184 A86-28434	Techniques of asking questions in the evaluation of	Hitts Law? A test of the relationship between information
Axiomatic and numeric conjoint measurement - A	man-machine systems p 433 A86-47774	load and movement precision p 440 N86-32998
comparison of three methods for obtaining subjective	Correlational rhythmography applied to persons of	WORKSTATIONS
workload (SWAT) rankings p 178 A86-28435	different age under functional loads p 422 A86-49920	The Scientific Workstation Evaluation Project:
The dissociation between subjective and	Capacity for work and hemodynamics in males residing	Multidisciplinary experience with a scientific workstation
performance-based measures of operator workload	at middle and high latitudes p 13 N86-10747	[ANL-84-100] p 74 N86-14896
p 178 A86-28450	Effect of inclusion of supplementary ascorbic acid in	
Effects of task difficulty and learning strategies in	daily diet on degree of vitamin saturation of body and	Reconfigurable work station for a video display unit and
multiple-task training p 178 A86-28451	thermoresistance of erythrocytes while working in arid	keyboard
Evaluation of 16 measures of mental workload using a	zone p 13 N86-10749	[NASA-CASE-MFS-26009-1SB] p 188 N86-22114
simulated flight task emphasizing mediational activity	Effect of various doses of some vitamins on non-specific	A preliminary study of flat-panel displays
p 179 A86-28864	mechanisms of adaptation of man p 13 N86-10750	p 236 N86-24546
Can pilots time-share better than non-pilots?	The effects of age, sleep deprivation, and altitude on	The scientific/engineering workstation experiment:
p 238 A86-29874	complex performance	Preliminary results, conclusions and recommendations
Causes of dissociation between subjective workload	[AD-A156987] p 15 N86-10771	[AD-A163059] p 386 N86-29510
measures and performance - Caveats for the use of	Report on the research activities on whole-body	WOUND HEALING
subjective assessments p 238 A86-29875	vibrations. Human strain due to mechanical vibrations	Development of an ultrafast-curing wound dressing
Relative contributions of SWAT dimensions to overall	[ISBN-3-88383-107-7] p 15 N86-10773	[AD-A162471] p 177 N86-22099
subjective workload ratings Subjective Workload	Pilot-oriented performance measurement	Many medical uses foreseen for artificial skin
Assessment Technique p 238 A86-29876	[AD-A158849] p 40 N86-13890	p 220 N86-23245
Techniques of subjective workload assessment - A	Effects of digital altimetry on pilot workload	•
comparison of two methodologies p 238 A86-29877	[NASA-TM-86424] p 42 N86-13892	v
Subjective assessment of pilot workload in the advanced	Biocybernetic analysis of a hybrid workload model	X
fighter cockpit p 238 A86-29878	[AD A150022]	
	[AD-A159033] p 63 N86-14880	
Predicted versus experienced workload and	Problems of studying flight work in Soviet aviation	X RAY ANALYSIS
Predicted versus experienced workload and performance on a supervisory control task	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866	X RAY ANALYSIS  Proposal for a new tomographic device providing
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work	Proposal for a new tomographic device providing
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879 Measuring pilot workload in a motion base trainer - A	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p.65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p.76 N86-15867	Proposal for a new tomographic device providing information on the chemical properties of a body section
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Sternberg memory search task as an index of pilot	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964 X RAY DIFFRACTION
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879 Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880 The Stemberg memory search task as an index of pilot workload p 227 A86-29883 Simulator instructor task loading - The tide is turning	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964 X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879 Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880 The Stemberg memory search task as an index of pilot workload p 227 A86-29883 Simulator instructor task loading - The tide is turning p 233 A86-30362 The relation between the Type A behavior pattern,	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-5503] p 95 N86-16900 Effect of time span and task load on pilot mental	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods  Subjective Workload Assessment Technique	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes  [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system  [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177386] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods  Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-176809] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176809] p 180 N86-21139 The effect of acceleration stress on human workload	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29883  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE Identification and quantification of the water-soluble
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods  Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-3787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33795	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-176869] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176809] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE Identification and quantification of the water-soluble
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33795  A workload analysis for strategic conventional standoff	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15868 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177386] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 268 A86-33803	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-2360 A methodology for the analysis and design of human	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 268 A86-33803  The psychophysics of workload - A second look at the	Problems of studying flight work in Soviet aviation medicine of the 1920's 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-17609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects  p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-3787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33795  A workload analysis for strategic conventional standoff capability missions p 268 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15868 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29883  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload (AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects  p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33785  A workload analysis for strategic conventional standoff capability missions p 268 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33804  An investigation of the 'von Restorff' phenomenon in	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations p 239 N86-26319	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33795  A workload analysis for strategic conventional standoff capability missions  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33807	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15868 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177386] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957
Predicted versus experienced workload and performance on a supervisory control task  p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 267 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33795  A workload analysis for strategic conventional standoff capability missions  The psychophysics of workload - A second look at the relationship between subjective measures and performance  An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33807  The effect of varying task difficulty on subjective	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload (AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 231 N86-2360 A methodology for the analysis and design of human information processing organizations [AD-A162083] P 393 N86-24214 Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS Characterization of YAG lasers for ophthalmologic
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29883  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 268 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33804  An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33807  The effect of varying task difficulty on subjective workload p 261 A86-33808	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight personnel p 72 N86-15870 Use of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS  Characterization of YAG lasers for ophthalmologic applications
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33804  An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33807  The effect of varying task difficulty on subjective workload p 261 A86-33808  Training characteristics of the Criterion Task Set	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15868 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177386] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations:  [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 293 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-{9022.09}] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects possible for the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS  Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 267 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33795  A workload analysis for strategic conventional standoff capability missions p 268 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33807  The effect of varying task difficulty on subjective workload Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload (AD-156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 231 N86-2360 A methodology for the analysis and design of human information processing organizations [AD-162083] Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29883  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts  A workload analysis for strategic conventional standoff capability missions p 268 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33804  An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33808  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Timebased analysis of significant coordinated	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight personnel p 72 N86-15870 Use of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15870 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations processes provided in the position of p 292 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS  Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST  Determining a carbohydrate profile for Hansenula
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29883  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33795  A workload analysis for strategic conventional standoff capability missions p 268 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33804  An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33807  The effect of varying task difficulty on subjective workload assessment battery p 261 A86-33808  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Timebased analysis of significant coordinated operations (TASCO) - A cockpit workload analysis	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15868 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations p 293 N86-24214 Automation and pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS  Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST  Determining a carbohydrate profile for Hansenula polymorpha
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 267 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33795  A workload analysis for strategic conventional standoff capability missions p 268 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33807  The effect of varying task difficulty on subjective workload assessment battery p 261 A86-33809  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Timebased analysis of significant coordinated operations (TASCO) - A cockpit workload analysis technique p 268 A86-33810	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload (AD-156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 231 N86-2360 A methodology for the analysis and design of human information processing organizations [AD-162083] Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 Effect of time span and task load on pilot mental	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-{9022.09}] p 170 N86-21104  X RAYS Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST Determining a carbohydrate profile for Hansenula polymorpha p 82 A86-22710  Romanian plant produces protein concentrate from
Predicted versus experienced workload and performance on a supervisory control task  p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts A workload analysis for strategic conventional standoff capability missions  The psychophysics of workload - A second look at the relationship between subjective measures and p 260 A86-33804  An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33808  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Timebased analysis of significant coordinated operations (TASCO) - A cockpit workload analysis technique Event-related brain potentials and resource allocation	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight personnel p 72 N86-15869 Use of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations p 291 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 Effect of time span and task load on pilot mental workload	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS  Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST  Determining a carbohydrate profile for Hansenula polymorpha
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29883  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33785  A workload analysis for strategic conventional standoff capability missions p 268 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33804  An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33807  The effect of varying task difficulty on subjective workload assessment battery p 261 A86-33808  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Timebased analysis of significant coordinated operations (TASCO) - A cockpit workload analysis technique	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15868 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176809] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations physiological functions when working with waiting p 231 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations p-292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 Effect of time span and task load on pilot mental workload [NASA-CR-177099] p 382 N86-29502	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-{9022.09}] p 170 N86-21104  X RAYS Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST Determining a carbohydrate profile for Hansenula polymorpha p 82 A86-22710  Romanian plant produces protein concentrate from
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 259 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 261 A86-33807  The effect of varying task difficulty on subjective workload analysis of significant coordinated operations (TASCO) - A cockpit workload analysis technique p 268 A86-33810  Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload (AD-156770) p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 231 N86-2360 A methodology for the analysis and design of human information processing organizations [AD-162083] Psychoemotional pilot interactions in night or all-weather tactical operations p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 Effect of time span and task load on pilot mental workload [NASA-CR-177099] p 382 N86-29502 Model-based approaches for partitioning subjective	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS  Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST  Determining a carbohydrate profile for Hansenula polymorpha  Romanian plant produces protein concentrate from paraffin-nourished yeasts
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 267 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33795  A workload analysis for strategic conventional standoff capability missions p 268 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33804  An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33807  The effect of varying task difficulty on subjective workload malysis of significant coordinated operations (TASCO) - A cockpit workload analysis technique p 268 A86-33810  Event-related brain potentials and intermodal divided Event-related brain potentials and intermodal divided	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Use of flight personnel p 75 N86-15870 Use of flight personnel p 75 N86-15870 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27920 Effect of time span and task load on pilot mental workload [NASA-CR-177099] p 382 N86-29502 Model-based approaches for partitioning subjective workload assessments	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS  Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST  Determining a carbohydrate profile for Hansenula polymorpha p 82 A86-22710  Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741  The development of an unconventional food regeneration process: Quantifying the nutritional
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29883  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15868 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application [NASA-CR-177099] p 382 N86-29502 Model-based approaches for partitioning subjective workload assessments [NASA-CR-177030] p 382 N86-29504	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS  Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST  Determining a carbohydrate profile for Hansenula polymorpha p 82 A86-22710  Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741  The development of an unconventional food
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 267 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33795  A workload analysis for strategic conventional standoff capability missions p 268 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33804  An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33807  The effect of varying task difficulty on subjective workload malysis of significant coordinated operations (TASCO) - A cockpit workload analysis technique p 268 A86-33810  Event-related brain potentials and intermodal divided Event-related brain potentials and intermodal divided	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload (AD-156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 231 N86-2360 A methodology for the analysis and design of human information processing organizations [AD-162083] Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application [NASA-CR-177099] p 382 N86-29502 Model-based approaches for partitioning subjective workload assessments [NASA-CR-177030] p 382 N86-29504 An investigation of the use of steady-state evoked	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST Determining a carbohydrate profile for Hansenula polymorpha p 82 A86-22710 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 The development of an unconventional food regeneration process: Quantifying the nutritional components of a model methylotropic yeast
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29883  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight personnel p 72 N86-15869 Use of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application [NASA-TP-2525] p 292 N86-27820 Effect of time span and task load on pilot mental workload [NASA-CR-177099] p 382 N86-29502 Model-based approaches for partitioning subjective workload assessments [NASA-CR-177090] p 382 N86-29504 An investigation of the use of steady-state evoked potentials for human performance and workload	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS  Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST  Determining a carbohydrate profile for Hansenula polymorpha p 82 A86-22710  Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741  The development of an unconventional food regeneration process: Quantifying the nutritional components of a model methylotrophic yeast p 151 N86-19928  Theoretical prerequisites for the possible use of bacteria
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29883  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33795  A workload analysis for strategic conventional standoff capability missions p 268 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33804  An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33807  The effect of varying task difficulty on subjective workload assessment battery p 261 A86-33808  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Timebased analysis of significant coordinated operations (TASCO) - A cockpit workload analysis technique p 268 A86-33810  Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33820  Event-related brain potentials and intermodal divided attention p 262 A86-33821  Processing inferences derived from event-related	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15868 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application [NASA-CR-177099] p 382 N86-29502 Effect of time span and task load on pilot mental workload (NASA-CR-177030) p 382 N86-29504 An investigation of the use of steady-state evoked potentials for human performance and workload assessments [NASA-CR-177030] p 382 N86-29504 An investigation of the use of steady-state evoked potentials for human performance and workload assessment and control	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-{9022.09}] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS  Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST  Determining a carbohydrate profile for Hansenula polymorpha p 82 A86-22710  Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741  The development of an unconventional food regeneration process: Quantifying the nutritional components of a model methylotrophic yeast p 151 N86-19928  Theoretical prerequisites for the possible use of bacteria which split organophosphates in order to increase the yield
Predicted versus experienced workload and performance on a supervisory control task  p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29883  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 266 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts A workload analysis for strategic conventional standoff capability missions  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33804  An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33807  The effect of varying task difficulty on subjective workload assessment battery p 261 A86-33808  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Timebased analysis of significant coordinated operations (TASCO) - A cockpit workload analysis technique p 261 A86-33801  Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality p 261 A86-33821  Processing inferences derived from event-related potential measures in a monitoring task	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload (AD-156770) p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-2360 A methodology for the analysis and design of human information processing organizations [AD-162083] Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application [NASA-CR-177099] p 382 N86-29502 Model-based approaches for partitioning subjective workload assessments [NASA-CR-177030] p 382 N86-29504 An investigation of the use of steady-state evoked potentials for human performance and workload assessment and control [AD-A168205] p 404 N86-30332	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104  X RAYS Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST Determining a carbohydrate profile for Hansenula polymorpha p 82 A86-22710 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 The development of an unconventional food regeneration process: Quantifying the nutritional components of a model methylotrophic yeast p 151 N86-19928 Theoretical prerequisites for the possible use of bacteria which split organophosphates in order to increase the yield of nutrient yeast and its nitrogen and phosphorous
Predicted versus experienced workload and performance on a supervisory control task p 227 A86-29879  Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880  The Stemberg memory search task as an index of pilot workload p 227 A86-29883  Simulator instructor task loading - The tide is turning p 233 A86-30362  The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions p 234 A86-31822  Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods Subjective Workload Assessment Technique p 259 A86-33783  Assessment of SWAT accuracy Subjective Workload Assessment Technique p 267 A86-33785  Workload measurement in system design and evaluation p 267 A86-33787  Pro-SWAT applied to advanced helicopter crew station concepts p 267 A86-33795  A workload analysis for strategic conventional standoff capability missions p 268 A86-33803  The psychophysics of workload - A second look at the relationship between subjective measures and performance p 260 A86-33807  The effect of varying task difficulty on subjective workload assessment battery p 261 A86-33809  Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809  Timebased analysis of significant coordinated operations (TASCO) - A cockpit workload analysis technique p 268 A86-33820  Event-related brain potentials and intermodal divided attention - From dual-task decrements to dual-task integrality p 261 A86-33820  Event-related brain potentials and intermodal divided attention a monitoring task	Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15868 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139 The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 Influence of complexity of control task on level of activation of operators physiological functions when working with waiting p 221 N86-23260 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Analytical techniques of pilot scanning behavior and their application [NASA-CR-177099] p 382 N86-29502 Effect of time span and task load on pilot mental workload (NASA-CR-177030) p 382 N86-29504 An investigation of the use of steady-state evoked potentials for human performance and workload assessments [NASA-CR-177030] p 382 N86-29504 An investigation of the use of steady-state evoked potentials for human performance and workload assessment and control	Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964  X RAY DIFFRACTION  Small X-ray diffraction of immunoglobulin-membrane complexes [AD-A158252] p 29 N86-13882  X RAY IRRADIATION  On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864  The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-{9022.09}] p 170 N86-21104  X RAYS  Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894  XYLENE  Identification and quantification of the water-soluble components of JP-4 and a determination of their biological effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957  YAG LASERS  Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894  YEAST  Determining a carbohydrate profile for Hansenula polymorpha p 82 A86-22710  Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741  The development of an unconventional food regeneration process: Quantifying the nutritional components of a model methylotrophic yeast p 151 N86-19928  Theoretical prerequisites for the possible use of bacteria which split organophosphates in order to increase the yield

# SUBJECT INDEX

ZOOLOGY

Theoretical prerequisites for the possible use of bacteria which split organophosphates in order to increase the yield of nutrient yeast and its nitrogen and phosphorous content

[AD-A161811] p 159 N86-22083

Phosphorobacterin and its effectiveness

[AD-A164508] p 248 N86-25973

Z

ZOOLOGY

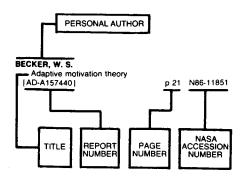
Gravity sensing in animal cells p 192 A86-30389

# PERSONAL AUTHOR INDEX

# AEROSPACE MEDICINE AND BIOLOGY / A Continuing Bibliography 1986 Cumulative Index

January 1987

### Typical Personal Author Index Listina



Listings in this index are arranged alphabetically by personal author. The title of the document provides the user with a brief description of the subject matter. The report number helps to indicate the type of document listed (e.g., NASA report, translation, NASA contractor report). The page and accession numbers are located beneath and to the right of the title. Under any one author's name the accession numbers are arranged in sequence with the AIAA accession numbers appearing first.

# ABBOTT, J. K.

inhalation toxicology. Part 6: Evaluation of the relative toxicity of thermal decomposition products from 9 aircraft

AD-A168250]

p 424 N86-32958

ABELES, F. J.

The roles of astronauts and machines for future space [SAE PAPER 851332] p 137 A86-23521

Advanced EVA operation on-orbit tasks and services

[AIAA PAPER 86-1175] p 384 A86-40585 ABRAMOV. M. M. Radiosensitivity of animals irradiated in modified gas

medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847

ABROMAVAGE, M. M.

Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162839] p 225 N86-24204

ABUSHKEVICH, V. G.

Synchronization of heart contractions and respiration during thermoregulatory polypnea in dogs

p 245 A86-34490

ACEVEDO, O. L.

ligation Template-directed oligonucleotide hydroxylapatite p 393 A86-45960 ACKLES, K. N.

Tactical Life Support System (TLSS) aircrew integrated p 431 A86-47746

ACTON, W. H.

Workload assessment techniques in system redesign p 184 A86-28434

Relative contributions of SWAT dimensions to overall subjective workload ratings p 238 A86-29876

A survey of aseptic bone negrosis in Turkish sponge divers, interim report p 124 N86-19871

Ontogeny of homeothermy in the immature rat Metabolic and thermal responses p 246 A86-36221

Ventilatory responses of hamsters and rats to hypoxia p 79 A86-20005 and hypercapnia

#### ADAMS, I. C.

The personality and physique of undergraduate aviation p 382 A86-40571

ADAMS, J. D.

Decompression sickness and intravenous bubble formation using a 7.8 psi simulated pressure-suit environment p 85 A86-19347

ADAMS, J. H., JR.

Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168 ADAMS, R. R.

The healthy motivation to fly: No psychiatric diagno-[AD-A164944] p 291 N86-26832

Late biological effects from internal and external exposure

DE86-0011811

p 278 N86-27868 ADAVAL, S. K.

Medical evaluation of cosmonauts - Biochemical p 11 A86-12433 Evaluation of precordial mapping before and after submaximal exercise amongst normal and asymptomatic

subjects with non specific ST-T abnormalities p 251 A86-35290

ADELMAN, B.

The question of life on Mars p 410 A86-43927 ADELMAN, L.

Human factors in rule-based systems [AD-A165309] p 295 N86-26840

ADOLFSON, J.

Lung rupture as a complication in free escape

p 122 N86-19862

ADRION, J.

Symposium on Aviation Psychology, 3rd, Columbus, OH, April 22-25, 1985, Proceedings p 226 A86-29851 AFANASYEVA, G. V.

Production of gene bank from cotton plant chloroplast DNA foi HC/ME p 210 N86-23228

AFANASYEVA, R. F.

Effects of cold exposure on thermal status of men and p 285 N86-27874

AFONIN, B. V.

Role of vitamin D3 active metabolites in regulation of calcium metabolism in hypokinetic rats

p 174 N86-21124 Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation p 174 N86-21126

AFONINA, S. N.

Changes in immunoreactivity during adaptation to intervals of hypoxic hypoxia p 80 A86-21451 p 80 A86-21451

AGADZHANIAN, N. A.

Dynamics of the salivary electrolyte composition and renal excretory function during human adaptation to an Itered gaseous environment p 216 A86-30899 AGARKOV, F. T.

Conditioning potentialities of respiratory apparatus p 14 N86-10753

AGARWAL, V. K.

Photochemical reactions in interstellar grains photolysis of CO, NH3, and H2O p 189 A86-28721

AGENANT, D. M. A.

Early detection and treatment of avascular bone necrosis in divers p 124 N86-19872

AGULOVA, L. P.

Effect of cosmoheliogeophysical factors on bacterial agglutionation in vitro p 155 A86-27473

AHLSTROM, H. G. Reverse osmosis water purification system

p 384 N86-28291 AHUMADA, A. J., JR. Window of visibility - A psychophysical theory of fidelity

in time-sampled visual motion displays p 240 A86-32451

AIDARALIEV, A. A.

Use of a linguistic test in the course of large-scale physiological selection of men for work in an environment p 35 A86-15523

AIHARA, K.

Effects of cation ions in nerve excitation

p 37 N86-12377

AKESON, W. H.

Microvascular flow adjustments with postural changes p 215 A86-30448 in humans

AKIMOV. S. N.

Ergometric examination of the cardiovascular system in flight personnel p 421 A86-49370

AKSENOV, V. V. Assessment of state of chronotropic and inotropic heart

function at different degrees of physical fitness p 12 N86-10746

AKSNES, G.

Nocturnal periodic breathing at altitudes of 6,300 and p 419 A86-47875

AL-MUFTI, S.

Diatoms on earth, comets, Europa and in interstellar space p 410 A86-44354

The viability with respect to temperature, of micro-organisms incident on the earth's atmosphere p 410 A86-44358

ALAVI. A

Determination of the lumped constant and the kinetic constants for deoxyglucose and fluorodeoxyglucose in

[DE86-000317]

D 118 N86-18978 ALBANESE, R. A.

Reliability of military pilots - Problems and prospects

p 227 A86-29884 ALBERT, E. N. Microwave effects on CNS: A histopathologic,

ultrastructural and autoradiographic study [AD-A165040] p 277 N86-27867

ALBERTS, J. R.

Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402 Vivaria requirements for animal life cycle studies on space station p 200 A86-30443

ALBERY, W. B.

The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140

The effects of acceleration stress on human workload and manual control p 437 N86-32984

ALBRIGHT, R.

Aerobic capacity and coronary risk factors in a middle-aged army population AD-A163998 HC A02/MF

[AD-A163998] p 257 N86-25979

ALDERTON, D. L.

Components of spatial ability FAD-A1656941

p 382 N86-28616 ALEKPEROV, U. K.

Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624 p 386 N86-28624 ALEKSANDROVA, E. A.

Changes in the blood electric conductivity caused by body immersion p 90 A86-22543 ALEKSEEV, S. I.

The effect of electromagnetic radiation in the decimeter wavelength range on the neuronal calcium current in p 247 A86-36494 ALEKȘEEVA, I. I.

Mechanism of circulatory disorders in animals subjected p 106 A86-24423 to high-dose irradiation ALEXANDER. D.

Aerobic capacity and coronary risk factors in a middle-aged army population AD-A163998 HC A02/MF A01

[AD-A163998]

p 257 N86-25979 ALEXANDER, H. Control of a free-flying robot manipulator system

[NASA-CR-179717] p 443 N86-33016 ALEXANDER, K. K.

The technology impact of the Advanced Technology Crew Protection (ATCP) system on high performance p 406 A86-44779 ALGERA, R.

Development of an improved liquid cooling system p 97 A86-19341 Design of a portable, collapsible hyperbaric chamber p 430 A86-47732 ALI, J. S.

System for measurement of small vibrations at material interfaces induced by electrostrictive forces

[PB86-116530] ALIYEV, A. A.

p 222 N86-23276

Modification of cytogenetic and physiological effects of space flight factors by biologically active compounds p 386 N86-28624 [NASA-TM-87987] ALLAN, J. R.

The effect of leakage on the insulation provided by immersion-protection clothing p 44 A86-14320 Immersion cooling - Effect of clothing and skinfold p 44 A86-14320

[AD-A163427]

p 59 A86-18837

ALLEGRINI, N. Selection and medical testing of Mirage 2000 pilots: p 399 N86-30314 Report of echocardiography ALLEGRINI, N. D.

Ischemic cardiopathology in pilots - The risk, the methods of detection and prevention p 113 A86-24511

ALLEN, G. L.

Assessment of visuospatial abilities using complex cognitive tasks

(AD-A158919) p 70 N86-14889 ALLEN, M. E.

Naloxone enhances motion sickness - Endorphins p 395 A86-44088 ALLEN R. W.

Manual control of unstable systems

p 441 N86-33008 ALLISON, J. E.

Utilizing computer graphics display technology

p 185 A86-28441 ALLUISI, E. A.

Human Factors Society, Annual Meeting, 28th, San Antonio, TX, October 22-26, 1984, Proceedings. Volumes p 141 A86-23701 ALLUISI, M. J.

Human Factors Society, Annual Meeting, 28th, San Antonio, TX, October 22-26, 1984, Proceedings. Volumes 1 & 2 p 141 A86-23701

ALMON, R. R. Are there conditions in which adrenalectomy impedes

the atrophying effects of denervation? p 194 A86-30397

ALPATOVA, T. V.

Investigation of mechanisms of the radioprotective effect of agonists of catecholamine receptors - involvement of both subtypes of alpha-adrenoreceptors radioprotective effect p 208 A p 208 A86-32698 ALTEKAR, W.

Is the ATPase from halobacterium saccharovorum an evolutionary relic? p 306 N86-26891

Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground

[DFVLR-MITT-86-01] p 429 N86-32975

ALTER, B. J. Sequence polymorphism of HLA-DR beta 1 alleles relating to T cell-recognized determinants
[AD-A160237] p 1

p 107 N86-18956 The state of man's organism under conditions of

elevated atmospheric carbon dioxide p 163 A86-29306

ALURKAR, V. M. Medical evaluation of cosmonauts - Cardiovascular

p 11 A86-12428 ALVAREZ, L. W.

Geochemical anomalies, bolide impacts and biological extinctions on the Earth ALVAREZ, W. p 308 N86-26903

Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903

AMBROSE, K. R. Production and characterization of antibodies to benzo(a)pyrene

[DE86-002204] p 222 N86-23271 Fiberoptics immunofluorescence spectroscopy for

chemical and biological monitoring [DE86-002239] p 225 N86-24209

ANANYEV, V. A. HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 ANDERS, F.

Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development

p 388 N86-29523

ANDERSEN, H. T.

Analyses of maximum cardiopulmonary performance during exposure to acute hypoxia at simulated altitude - Sea level to 5000 meters (760-404 mm Hg)

p 60 A86-18839

Proteinuria in fighter pilots after high + Gz exposure p 113 A86-25653

Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890

ANDERSEN, R. A.

Encoding of spatial location by posterior parietal neurons p 27 A86-14714

ANDERSON, J. R.

Skill acquisition: Compilation of weak-method problem

(AD-A1587251 ANDERSON, K.

Judgments of natural and anomalous trajectories in the p 69 A86-16922 presence and absence of motion

p 70 N86-14888

ANDERSON, K. W.

A graphic anthropometric aid for seating and workplace p 23 N86-10788

[AD-A156988] ANDERSON, L.

Protein mapping and the problem of complexity in

molecular biology [DE85-018349] p 85 N86-17979 ANDERSON, L. A.

Does location cueing increase the efficiency of the early stages of perceptual processing? p 129 A86-23722 ANDERSON, L. B.

The startle reflex as a learning task: Apparatus and test parameters

(AD-A167958) p 428 N86-32970 ANDERSON, M. R.

Closed-loop, pilot/vehicle analysis of the approach and p 442 N86-33013 landing task ANDERSON, N.

Protein mapping and the problem of complexity in molecular biology

[DE85-018349] p 85 N86-17979 ANDES, R., JR.

Altitude estimation of pilot and non-pilot observers using real-world scenes p 230 A86-29905 ANDRE, M.

The C23A system, an example of quantitative control of plant growth associated with a data base

p 104 A86-23572 [SAE PAPER 851395] The C23A system, an exmaple of quantitative control of plant growth associated with a data base

p 148 N86-19911 Can plants grow in quasi-vacuum?

p 152 N86-19931 Wheat response to CO2 enrichment: CO2 exchanges transpiration and mineral uptakes p 152 N86-19932

ANDREW, M. Hypoxia-induced vasopressin release and coagulopathy in a normal subject p 60 A86-18844

ANDREWS, R. B. Hematologic parameters of astrorats flown on SL-3

p 202 A86-30458 ANDREWS, T. K., JR.

Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845

ANDREYEV, I. Biological life-support systems for long-duration space flights p 47 N86-14160

ANGULUO, E. D.

Cutting head for ultrasonic lithotripsy [NASA-CASE-GSC-12944-1] p

p 126 N86-19885 ANICHINI, A.
HLA-D: The T cell perspective

[AD-A160019] p 84 N86-17976 ANIKEYEVA, I. D.

Experiments with developing plants aboard Salyut-5, Salyut-6 and Salyut-7 oribital stations

p 279 N86-27891 ANSITE, W. K. 'The ACDAR' - Advanced chemical defense aircrew

p 430 A86-47735 ANSWAY, S. A.

An investigation into effects of environmental changes on locus of control

[AD-A1608611 p 135 N86-18987

Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 ANTONOV, A. A.

Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators p 271 A86-36536 working in sealed chambers

ANTONYAN, A. A. Investigation of distinctions referable to growth, development and metabolism of Closteriopsis acicularis algae when cells are limited in nitrogen as related to biological life-support systems for man

p 57 N86-15883

APANASENKO, Z.

Early postnatal development of rats gestated during flight of Cosmos 1514

Speech compression as a potential aid to automated

voice warnings in the cockpit p 185 A86-28445 ARABIDZE, G. G. Element analysis of sclerotic formations of major blood

vessels by laser mass spectrometry p 118 N86-19833 ARAKAWA. E. T.

The organic aerosols of Titan p 298 N86-26852 ARAKELOV, S. A.

HBeAg and its antibodies in carriers of HSsAg in various egions of USSR p 218 N86-23233 ARBAK C. J.

Eye-controlled switching for crew station design

p 142 A86-23711 The use of reflective SWAT for workload assessment p 144 A86-23747

Eye and head response to an attention cue in a dual p 262 A86-33827 task paradigm

Eye movements and spatial pattern vision

[AD-A160408] p 115 N86-18963 AŘETZ, A. J.

Cockpit automation technology p 142 A86-23724 ARIFULIN, A. A.

The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 ARKHANGELSKIY, D. Y.

during gravitational Hemodynamics (mathematical modeling) p 12 N86-10739

ARKHIPOV. V. V. Oxygenation and regional circulation in gingival mucosal under effect of head-to-pelvis (+Gz) ations p 65 N86-15872 tissues accelerations

ARMANGUE, G. The principle of cooperation and life's origin and volution p 303 N86-26880

ARMSTRONG, J. W.

The development of two prototype facial protection systems for high performance aircrew helmets p 430 A86-47739

ARMSTRONG, L. E. Heat acclimatization developed during summer running

in northeastern United States p 177 N86-22102

[AD-A162728] ARNAUD, S. B.

Spaceflight and calcium metabolism

p 192 A86-30378 Osteocalcin as an indicator of bone metabolism during spaceflight p 205 A86-30474

ARNETT, C. Determination of the lumped constant and the kinetic

constants for deoxyglucose and fluorodeoxyglucose in [DE86-000317] p 118 N86-18978

ARNETT, K. An analysis of the productivity of a CELSS continuous

algal culture system p 151 N86-19927 ARNO. R. Space Station life sciences guidelines for nonhuman

experiment accommodation [SAE PAPER 851370] p 104 A86-23553

ARNO, R. D. Space Station life science research facility - The vivarium/laboratory p 201 A86-30449

ARNOLD, J. Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685

ARNOLD, R. L. Recurrent cockpit resource management training at

United Airlines p 228 A86-29889 ARNTZEN. A. J.

Alternatives to standard air tables

motion sickness in man

p 125 N86-19880 ARSENTEV, B. A.

Possible effect of hyperlipemia on the development and course of atherosclerosis in flight personnel

ARTAMASOVA, Y. M. Body position during hypokinesia, and fluid-electrolyte

metabolism p 60 N86-14853 ARVA. P. Diffuse pulmonary ossification and spontaneous

pneumothorax in a pilot - A case report p 395 A86-44093

ARZAMAZOV, G. S. The role of hormonal changes in the development of

p 216 A86-30896 ARZI. N. The psychophysics of workload - A second look at the relationship between subjective measures performance p 260 A86-33804

ASAJI, T.

Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment

p 87 A86-20410

ASARO, F. Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903

ASHIDA. A. Water recycling system using thermopervaporation method p 150 N86-19921

ASHWORTH, A. K.

Detection of chromosomal abnormalities in human [DE85-0141781

ASHWORTH, L. K.

p 7 N86-11834

Variation in baseline sister chromatid exchange frequencies in humans

[DE85-016084] p 64 N86-14883

Absolute judgment versus absolute magnitude estimation to convey information through symbol magnitude changes in CRT displays

[AD-A167059] p 434 N86-32103 ASK. A.

Increased inotropi of the heart in normoxic hyperbaric atmosphere p 123 N86-19869

ASKEW, Q. K.

The effect of spectrally selective filters on visual search performance

[AD-A165835]

p 404 N86-30329

ASRATYAN, A. A

Detection of HBsAg in families of children with viral p 218 N86-23232

ASTASHIN, V. A.

Human adaptation to antagonistic environmental factors p 255 A86-36535

ASYAMOLOV, B. F.

Some human reactions during 7-day antiorthostatic hypokinesia p 286 N86-27885

ASYAMOLOVA N M

Forced expiration parameters in healthy man submitted to simulated weightlessness p 173 N86-21121

ATADZHANOVA, Z. R. Microcirculatory changes in rats with burn shock following adaptation to high-altitude hypoxia

p 81 A86-22547

ATAULLAKHANOV, F. I.

Metabolic distinctions of human red blood during long-term spaceflights p 60 N86-14850 ATEN, J.

Quantitative models describing the kinetics of tumor cell proliferation: A comparison to experimental data

[CWI-AM-R8418] p 53 N86-14844

ATHANASSENAS, G.

High pressure oxygen (OHP) induced increase of serum prolactin is not due to a dopamine (DA)-receptor blockada p 123 N86-19867

Determination of the lumped constant and the kinetic constants for deoxyglucose and fluorodeoxyglucose in

IDE86-0003171 ATKINSON, R. P.

p 118 N86-18978

Contributions to workload of rotational optical transformations [NASA-CR-176542] p 171 N86-21106

ATTIAS, J.

Transdermal scopolamine - Human performance and side effects p 163 A86-29094 AUFRET, R.

The vertebral column: Selection and aptitude of combat ircraft pilots of the future p 400 N86-30322 AUGUST, T.

Macrophage structure and function

[AD-A163314] p 276 N86-26793

AULT. H. K.

The WPI space glove design project

p 383 A86-40522

AVEN. A.

Anthropometry research program

[FOA-C-50032-H2] p 386 N86-29511 AVERNER, M. M.

The evolution of CELSS for lunar bases

p 239 A86-30164 Observations on gas exchange and element recycle within a gas-closed algal-mouse system

p 150 N86-19924 AVETISYANTS, B. L.

Gas chromatographic analysis of free fatty acids of skin surface lipids p 67 N86-15891

Aircrew coordination and decisionmaking: Peer ratings of video tapes made during a full mission simulation

p 440 N86-32999

AZAMAR, J. A.

Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei

Substantiation of physiological criteria for assessing the functional status of the human body in high-temperature p 255 A86-36532

The effect of high temperature on the heat exchange and the nutritional status of pilots p 397 A86-45325 AZHIMAMATOV, T. A.

Hemodynamics during short-term application of lower body negative pressure p 33 A86-15514

B

BABICHENKO, I. I.

Effect of weightlessness on the development of neurosecretory structures of the hypothalamo-hypophyseal system of the rat brain p 157 A86-29174 BABUNA, C.

A survey of aseptic bone negrosis in Turkish sponge divers, interim report p 124 N86-19871

BACH, F. H.

HLA-D: The T cell perspective

[AD-A160019] p 84 N86-17976 Cional analysis of HLA-DR and -dQ associated determinants: Their contribution to dw specificities

[AD-A1600591 p 84 N86-17977 Molecular approaches to selective immunization

[AD-A160141] p 107 N86-18954 BACK, L. H.

Measurement and prediction of flow through a replica segment of a mildly atherosclerotic coronary artery of man p 374 A86-43440

Fluid dynamic study in a femoral artery branch casting of man with upstream main lumen curvature for steady flow p 397 A86-45254

BACK, M. R.

Fluid dynamic study in a femoral artery branch casting of man with upstream main lumen curvature for steady p 397 A86-45254

BADA, J. L.

Isoleucine stereoisomers on the earth p 154 A86-26198

BADCOCK, D. R.

Spatial location and hyperacuity - The centre/surround localization contribution function has two substrates p 19 A86-12061

BADLER, N. I.

Strength modeling report [NASA-CR-171896]

p 15 N86-10770 TEMPUS: Simulating personnel and tasks in a 3-D environment [NASA-CR-171901]

BAER, R.

p 22 N86-10785

Lung volumes and dynamic compliance during immersion and oxygen breathing p 122 N86-19860 BAEV. A. V.

The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319

BAGDOEVA, A. M.

Muscle vibrations and man-machine system dynamics p 74 A86-18731

BAGGETT, P. Principles of instruction for successful assembly and

[AD-A161280] p 180 N86-21142

BAGSHAW, M.

The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832 BAIN. J. L. W.

Morphological and biochemical changes in soleus and extensor digitorum longus muscles of rats orbited in p 203 A86-30464

BAIRNSFATHER, L. E.

The effect of antimotion sickness drugs on habituation to motion p 377 A86-41780 BAKALE. G.

Electron reactions in model and biological systems [DE85-016062] p 55 N86-15861

BAKALFINIKOVA V. L.

Correlational rhythmography applied to persons of different age under functional loads p 422 A86-49920 BAKANSKAIA, V. V.

Changes in the blood coagulation system of rabbits under conditions of acute hypoxia and some methods of its correction p 414 A86-49368

BAKER A H

Molecular sieve oxygen systems and aircraft role p 96 A86-19315 BAKHAREV, V. D.

Adaptation of the human organism to the repeated short-term exposures to a hot environment

p 10 A86-10701

The effect of centedrin on the work capacity of operators D 426 A86-49371

BALAKIREVA, R. G.

Epidemiological supervision of poliomyelitis

p 118 N86-19835 BALANDIN, V. S.

Adaptation of the human organism to the repeated short-term exposures to a hot environment p 10 A86-10701

BALCZON, R.

Intracellular pH shift leads to microtubule assembly and microtubule-mediated motility during sea urchin fertilization Correlations between elevated intracellular pH and microtubule activity and depressed intracellular pH and microtubule disassembly p 82 A86-22709

BALINSKAS, R. J. Evolution of the Shuttle Extravehicular Mobility Unit's life support system

[SAE PAPER 851333]

p 137 A86-23522

BALL, J. A.

Universal aspects of biological evolution

p 275 A86-38149

BALLDIN, U. I. Proteinuria in fighter pilots after high +Gz exposure

p 113 A86-25653 Influence of inspired oxygen concentration on acceleration atelectasis

[AD-A1685401 p 253 A86-36313

Lung volumes and dynamic compliance during immersion and oxygen breathing p 122 N86-19860 Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human

centrifuge, Karolinska Institute [FOA-C-50038-H1] p 408 N86-30341

BALLION, J. C.

A new test of the color vision of professionals

p 112 A86-24505

BALTABAEV, T. B.

Hemodynamics during short-term application of lower body negative pressure p.33 A86-15514

BALUDA, M. V. Effect of emotional stress on hemostasis system of healthy persons

p 19 N86-10745 BANDICK, N. R. Intrinsic alteration of the reactive properties of arteries

during hypothermia [AD-A166523] p 402 N86-31213

BANDURSKI, R. S.

An attempt to localize and identify the gravity sensing mechanism of plants p 197 A86-30417

EEG studies in episodic unconsciousness, seizure disorder and syncope p 12 A86-12434 BANERJEE, P. K.

Medical evaluation of cosmonauts - Physiological stres testing esting p 11 A86-12427 Orthostatic tolerance of normal Indians and those with

suspected abnormal cardiovascular reflex status p 114 A86-25661 Systolic time intervals in pilots and non-pilots during 70

dea head-up tilt p 250 A86-33757 Task parameters affecting individual differences in

pursuit and compensatory tracking performance p 95 A86-20972

BANTA G. R. Relationship of cardiopulmonary fitness to flight performance in tactical aviation p 401 N86-30326

BARANOV, V. M. Cardiorespiratory responses to lower body negative pressure and tilt tests after exposure to simulated weightlessness p 215 A86-30387 Forced expiration parameters in healthy man submitted

to simulated weightlessness BARANOWSKA, M. p 173 N86-21121 Meteorotropic determinants of road collisions and accidents p 165 N86-21022

BARBEITO, R. Precision and accuracy of oculocentric direction for targets of different luminances p 58 A86-17351

BARCIELA, S. Hydrogen production from salt water by Marine blue green algae and solar radiation

p 245 A86-34985 BARCLAY, J. K. Skeletal muscle lactate release and glycolytic intermediates during hypercapnia p 155 A86-28124

Evaluating space station applications of automation and robotics technologies from a human productivity point of p 409 N86-31412

```
. V. N.
```

BARER, A. S
BARER, A. S. Preliminary of Salyut-7-Soyuz [IAF PAPER 8 BARGERON, C. Nonionizing
BARKER, C. Partial recov hypothermia ir BARKER, W. C. New perspe
BARKIGIA, K. M. Experiments bacteriochloro (DEB6-001727) BARLOW, G. H. Morphology after space flight BARMIN, V. A. The effect vestibulo-oculus BARNARD, R. Making the many classes [DE86-00345; BARNEY, J. A. The use of blood volume BAROSS, J. A. Submarine environments
BARRAULT, B. Intermedia results BARRETT, R. A The scanni biology BARRETT, T. V Inverse Fal Raman spectr Raman activit [AD-A159806 BARTELS, H. Biological selected for r survival BARTELS, V. I. EEG correl
BARTHOLOME Automated [AD-D012299 BARTRAM, D. Task parar pursuit and co
automated te  BARZILAY, J.  Systolic blo service Low back ;  BASEIA, B.  A note on chemical orig BASHKIRTSEV Some ch hemorrhagic
BAT, O. S. Clinico-epic Carpathian for BATANOV, G. Effect of autoimmune proteins BATEJAT, D. Intermedia results BATEMAN, R. The use of design Helicopter on performal BATTISTA, S.
The effect

BARER, A. S
BARER, A. S. Preliminary n Salyut-7-Soyuz [IAF PAPER 8 BARGERON, C. Nonionizing
BARKER, C. Partial recov. hypothermia in BARKER, W. C. New perspe
BARKIGIA, K. M. Experimenta bacteriochloro [DE86-001727] BARLOW, G. H. Morphology after space flig BARMIN, V. A. The effects vestibulo-oculd BARNARD, R. V. Making the many classes [DE86-00345] BARNEY, J. A. The use of tolood volume BAROSS, J. A. Subspace of the space of the spa
Submarine l environments BARRAULT, B. Intermedia
results BARRETT, R. A The scannic biology BARRETT, T. W Inverse Far Raman spectr Raman activit [AD-A159806 BARTELS, H. Biological selected for r survival BARTELS, V. I. EEG correli
BARTHOLOME Automated [AD-D012299 BARTRAM, D. Task parar pursuit and co
Micropat - automated te BARZILAY, J.
Systolic blo service Low back p BASEIA, B. A note on chemical orig BASHKIRTSEV Some ch hemorrhagic
BAT, O. S. Clinico-epic Carpathian for

Nonioniz
BARKER, C. Partial re hypotherm
BARKER, W New per
BARKIGIA, I Experime bacterioch [DE86-001
BARLOW, G Morphole after space
BARMIN, V. The eff vestibulo-o BARNARD,
Making many class [DE86-003
BARNEY, J. The use blood volu
BAROSS, J. Submari environme
BARRAULT Interme results
BARRETT, I The sca biology BARRETT,
Inverse Raman sp Raman ac
[AD-A159 BARTELS, I Biologic
selected f survival BARTELS, V EEG co
BARTHOLO Automa [AD-D012
BARTRAM, Task pa pursuit an
Micropa automate
BARZILAY, Systolic service
Low ba BASEIA, B. A note
chemical BASHKIRT Some hemorrha
BAT, O. S. Clinico- Carpathia
BATANOV, Effect autoimmu
proteins BATEJAT, Interm
results BATEMAN, The us

BARER, A. S.	
BARER, A. S.	BAUER, L.
Preliminary medical results of the 5-month flight onboard Salyut-7-Soyuz-T	A psychophysic [AD-A158732]
[IAF PAPER 84-184] p 10 A86-1236/ BARGERON, C. B. Nonionizing radiation damage in the eye	Application of p
p 251 A86-33838	[FD00-145471]
Partial recovery of neutrophil functions during prolonger hypothermia in pigs p 246 A86-3622	
BARKER, W. C.  New perspectives on bacterial ferredoxin evolution	BAUR, M. E.
p 2 A86-1200 BARKIGIA, K. M.	of banded iron-fo
Experimental, structural and theoretical models of bacteriochlorophylls a, d and g	Test of erythrod
[DE86-001727] p 158 N86-2110 BARLOW, G. H.	antibodies to cox BAZUNOVA, Y. G.
Morphology of human embryonic kidney cells in cultur after space flight p 201 A86-3045 BARMIN, V. A.	
The effects of real and simulated microgravity o	n BEACH, A.
vestibulo-oculomotor interaction p 193 A86-3039  BARNARD, R. W.  Making the human-machine interface responsive t	Labrador helicop
many classes of users	BEARD, B.
[DE86-003453] p 409 N86-3122 BARNEY, J. A.	
The use of thoracic impedance for determining thoraci blood volume changes in man p 87 A86-2040 BAROSS, J. A.	6 Body weight
Submarine hydrothermal vents and associated gradier environments as sites for the origin and evolution of life	[70-7101144]
p 48 A86-1412 BARRAULT, B.	
Intermediate collimation: Description - Goals - Fineresults p 44 A86-1357	
BARRETT, R. A.  The scanning electron microscope as a tool in space	e Permanent vis
biology p 30 N86-1408 BARRETT, T. W.	
Inverse Faraday effect in hemoglobin detected to Raman spectroscopy: An example of magnetic resonance Raman activity	y Effect of physics of isolated fat ce
[AD-A159806] p 84 N86-1797 BARTELS, H.	exercise and rec
Biological parameters in Japanese quail genetical selected for resistance or sensitivity to an acute hypox survival p 2 A86-1025	ic Group diagno
BARTELS, V. I. EEG correlates in the process of forming driving skill:	BECKER, W. S.  Adaptive motive
p 421 A86-4927  BARTHOLOMEW, J. C.  Automated anthropometric data measurement syste	BECKLEN, R.
[AD-D012299] p 443 N86-330* BARTRAM, D. Task parameters affecting individual differences	7 movements
i asi pai ameters anecund individual differences	111

empensatory tracking performance p 95 A86-20972

A progress report on the validation of an st battery for pilot selection p 231 A86-29911

ood pressure in fighter pilots after 12-15 years p 250 A86-33762 ain in pilots p 395 A86-44092

self-replicating information yielding the in of life p 48 A86-14774 aracteristics of epizootic process in

fever with renal syndrome p 218 N86-23234

demiological characteristics of Q fever in p 118 N86-19834

nonionizing microwave radiation on the reactions and antigenic structure of serum n 106 A86-24425

ate collimation: Description - Goals - First p 44 A86-13570

of accident statistics to influence simulator p 144 A86-23744 crew evaluations on the effects of vibration p 260 A86-33800 nce

of a microwave radiation (2.45 GHz CW) on the molt of house finches (Carpodacus Mexicanus)

p 52 A86-18513 RATTISTE V Predicted versus experienced workload and

performance on a supervisory control task p 227 A86-29879 ological mapping of cognitive processes p 43 N86-13895

ortable microprocessor-based system for cal field testing of neurotoxicity p 379 N86-28615

rterial blood gates through human skin p 91 N86-16887

ogic and biogeochemical investigations p 305 N86-26885 rmations

yte antigen diagnostic agent for detecting p 218 N86-23231 iella burnetti

of possibility of using two-frequency estimation of proportion of total and p 66 N86-15888 fluide

e pilot backache problem in the CH113 p 256 N86-25113

ots for bioreactors in space p 151 N86-19926

changes before and after submarine

p 127 N86-19893 road-banded eye protection on dark

p 284 N86-26817 and human performance p 284 N86-26822

sual change associated with punctate p 284 N86-26823

ical training in humans on the response p 418 A86-47868 ells to epinephrine

ate, and lactate-to-pyruvate ratio during

p 8 A86-10110 covery

osis as risk assessment in environment p 167 N86-21039

vation theory

p 21 N86-11851

ion of motion during colinear eye D 41 A86-14143

Precision and accuracy of oculocentric direction for targets of different luminances p 58 A86-17351 BEDNEK, J. L., JR.

Aerobic capacity and coronary risk factors in a middle-aged army population AD-A163998 HC A02/MF AO1

[AD-A163998] p 257 N86-25979 BEDNENKO, V. S.

Cumulative effect of coriolis accelerations on coronar p 61 N86-14861 hemodynamics BEHNKE, A. A.

Zonal differentiation of performance under heat stress p 251 A86-33801 BEHRENS, P.

An analysis of the productivity of a CELSS continuous algal culture system p 151 N86-19927

BEIER, J. Hemodynamic response to LBNP following 2 hours HDT (-6 deg) p 252 A86-36309

BEISEL, W. R. Research opportunities on immunocompetence in

space [NASA-CR-176482] p 180 N86-21138

BEJCZY, A.

Force/torque display for space teleoperation control experiments and evaluation p 440 N86-33002 BEJCZY, A. K.

Robots as man-extension systems in space

p 240 A86-33183 Recent advancements in telepresence technology development p 269 A86-34959

BEKAIA, G. L.

Electrical activity of cerebellum in the wakefulness-sleep p 157 A86-29255 cvcle

BEKETOV, A. I.

Circulation and oxygen tension in the brain of wakeful rabbits in conditions leading to motion sickness

p 373 A86-43422

BEKETOV, V. P.

Cyclic adenosine-3'.5'-monophosphate and cyclic guanosine-3',5'-monophosphate in the blood plasma of mice injected with chemicals of different radioprotective efficiency p 276 A86-39718

BEKHTERÉVA. N. P. Neurons as detectors of errors in the subcortical tructures of the human brain p 111 A86-24307 BELAKOVSKIY, M. B.

Investigation of catecholamine metabolism at high p 66 N86-15880

BELAKOVSKIY, M. S.

Effect of 24,25-dihydroxycholecalciferol on amino acid p 55 N86-14869 metabolism of hypokinetic rats Role of vitamin D3 active metabolites in regulation of calcium metabolism in hypokinetic rats p 174 N86-21124

Some aspects of human amino acid metabolism at high p 175 N86-21136 Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893 BELKANIIA, G. S.

Typological analysis of central and peripheral hemodynamics during orthostasis in normal subjects and in patients with arterial hypertonia p 33 A86-15515 BELKIN. S.

Application of photosynthetic N2-fixing cyanobacteria to the CELSS program p 151 N86-19929

Interactive scenario computer model for dose rates to

aircrews in flight through nuclear debris clouds [AD-A158741] p 40 N86-13888 BELL G. I.

New roles for computation in the life sciences DE85-017542] p 158 N86-21100

BELL H. H.

Pilot-oriented performance measurement AD-A1588491

p 40 N86-13890 BELLI. M.

Elements of Radiation Protection FISS-L-84/71

p 288 N86-27908 Biological effects of ionizing radiation

p 288 N86-27909 BELOUSOVA, O. I.

The effect of auricular electric stimulation myelopeptide production and early reactions of blood systems cell populations in the presence of immobilization

RELOV M. A. On the interrelationship between different ranges of bioelectric activity of the human brain

p 422 A86-49975 BELOVA, E. V.

Leukocytic reactions caused by emotional stress p 34 A86-15519

BELOVA, T. I. Catecholamine content of single brain nuclei in August

rats following immobilization stress p 3 A86-12521 BELYTSCHKO, T. Head-spine structure modeling: Enhancements to secondary loading path model and validation of

head-cervical spine model p 172 N86-21112 [AD-A161425] BENBASSAT, J

The significance of recurrent childhood respiratory disorders in flight training applicants p 395 A86-44095

BENNETT, B. L. Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine p 32 A86-14317

BENSON, R. Cockpit resource management -Exploring the

attitude-performance linkage p 229 A86-29899 BENTON, E. V. The effect of high energy (HZE) particle radiation (Ar-40)

on aging parameters of mouse hippocampus and retina p 50 A86-17679 BERADZE, G. G.

Electrical activity of cerebellum in the wakefulness-sleep p 157 A86-29255

BERBAUM, K. S. Visual distortion - The correlation model

(SAE PAPER 841595) p 114 A86-26026 An analysis of visual tasks in helicopter shipboard

[AD-A161101] p 136 N86-19903

BERDAL B. P.

Enhancement of Pseudomonas aeruginosa virulence by hyperbaric atmosphere conditions p 122 N86-19858 BERESTEN, S. F.

The tryptophanyl-tRNA synthetases from eurocarvotes. procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323 BEREZIN, I. V.

p 109 N86-19831 Micellar enzymology

BEREZOVSKII. V. A.

Effect of hyperoxic gas mixtures on oxygen mass transfer through the hematoparenchymatous barrier

p 103 A86-23492

BERG S. L. Effect of time span and task load on pilot mental workload

[NASA-CR-177388] p 99 N86-16901 Effect of time span and task load on pilot mental workload

[NASA-CR-177099] p 382 N86-29502 The impact of physical and mental tasks on pilot mental p 437 N86-32982 workoad

BERGER, E. H.

Methods of measuring the attenuation of hearing p 406 A86-45073 protection devices BERGER, R.

High pressure oxygen (OHP) induced increase of serum prolactin is not due to a dopamine (DA)-receptor p 123 N86-19867 BERGLUND. I.

Method for the determination of respiratory work in protective masks [FOA-C-40213-C2] p 380 N86-29500

BERGQUIST, A. O. Development of a portable oxygen system analyze

p 430 A86-47742 RERGTER, F.

Determination of increment of Bacillus subtilis biomas p 57 N86-15881 BERINGER, D. B.

Underlying behavioral parameters of the operation of tough-input devices - Biases, models, and feedback

p 98 A86-20110 A peripheral integrated status display - Is it really giving the 'big picture' or is it a miniseries?

p 267 A86-33791 Teleoperation of legged vehicles - Unique problems associated with walking and foot placement

n 268 A86-33811 BERKHOUT, J. Pilot usage of decoupled flight path and pitch controls

p 236 A86-29854 BERKOVICH, Y. A.

Greenhouses with curvilinear planting surface p 159 N86-21132

BERMUDES, D. Microbial contributions to the Precambrian Earth

p 307 N86-26899 BERN. M. M. Physiological changes in hemostasis associated with

acute exercise p 215 A86-30680 BERRY, D.

Pilot usage of decoupled flight path and pitch controls p 236 A86-29854 BERRY, W.

Animal studies on Spacelab-3

[NASA-TM-88212] p 92 N86-16889 The effect of ultradian and orbital cycles on plant p 153 N86-19940 BERTSCH M

On interacting populations that disperse to avoid crowding: The effect of a sedentary colony p 181 N86-21145

BERULIS, I. I. A search for interstellar glycine p 274 A86-33668 BESCH. E. L.

Chronic acceleration and egg production in domestic fowl BESTOR, T.

Intracellular pH shift leads to microtubule assembly and microtubule-mediated motility during sea urchin fertilization Correlations between elevated intracellular pH and microtubule activity and depressed intracellular pH and microtubule disassembly p 82 A86-22709

An infrared search for extraterrestrial laser signals p 309 N86-26907

BEVERIDGE, T. J. Iron-silica crystallite nucleation by bacteria in a pothermal sediment p 247 A86-36368

BEYEN K Effects of air pollution on man p 167 N86-21038 BHAGAT, P. K.

Ultrasonic quantification of blood volume redistribution under hypergravity

[AD-A164379] p 257 N86-25982 BHARGAVA, V.

Nonlinear mechanisms Nonlinear mechanisms in physiology and pathophysiology Toward a dynamical theory of health and p 422 A86-49636 BIANCHI, A. L.

Responses of bulbospinal and laryngeal respiratory neurons to hypercapnia and hypoxia D 3 A86-12381 Changes in antidromic latencies of medullary respiratory neurons in hypercapnia and hypoxia p 3 A86-12382

BIANKI, V. L.

Brain asymmetry in animals p 50 A86-17467

BICKLEY, W. R.

Retention of helicopter flight skills - Is there a 'critic period' for proficiency loss? p 129 A86-23718 Conserving instructional training resources through use of the personalized system of instruction

p 129 A86-23719 BIDLINGMAIER, F.

Serum levels of eleven steroid hormones following motion sickness p 8 A86-10259 BIEZAD, D. J.

Normalized predictive deconvolution - A time series algorithm for modeling hurnan operator dynamics p 44 A86-14238

Modified superposition: A simple time series approach to closed-loop manual controller identification p 442 N86-33009

BIGGAR, W. D.

Partial recovery of neutrophil functions during prolonge

hypothermia in pigs p 246 A86-36220 BIKLE, D. D.

Bone loss during simulated weightlessness - Is it p 197 A86-30423 glucocorticoid mediated? Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425

The temporal response of bone to unloading IASA-TM-89228] p 397 N86-30303 [NASA-TM-89228]

BILLINGHAM, J.

The evolution of complex life [IAF PAPER 85-465]

p 48 A86-15919 BILLMAN, G. E.

Cardiac response of submaximal exercise in dogs

susceptible to sudden cardiac death p 1 A86-10107 BINAH, O.

Transdermal scopolamine - Human performance and side effects p 163 A86-29094 BIRGERSSON, G.

The Scientific Workstation Evaluation Project: Multidisciplinary experience with a scientific workstation [ANL-84-100] p 74 N86-14896 BIRICH, T. V.

Fluorescent-polarization properties of chromophores of water-soluble proteins of normal and cataractal human lens p 118 N86-19832

BISGARD, G. F.

Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683

BISHOP, R.

Magnetic-field hazards bibliography, 2nd edition [AD-A160154] p 107 N86-18955 BISSERET, A.

Expert computer aided decision in supervisory control p 241 A86-33188

BITTNER, A. C., JR. Automated Portable Test System (APTS) - A

performance envelope assessment tool [SAE PAPER 851775] p 263 A86-35427 Assessing the human performance envelope - A brief

[SAE PAPER 851776] p 263 A86-35428 BIVIN. D.

Photoactive pigments in halobacteria from the Gavish Sabkha p 415 A86-49998 BIVIN. D. B.

Coupling between the bacteriorhodopsin photocycle and the protonmotive force in Halobacterium halobium cell envelope vesicles. III - Time-resolved increase in the transmembrane electric potential and modeling of the associated ion fluxes p 373 A86-43433

BJORKMAN, T. Gravistimulation-induced changes in current patterns around root caps p 196 A86-30411

BLAAUW, G. J. Car driving as a supervisory control task

[B8563351] p 19 N86-10776

BLACK, F. O. Vestibular and visual control on posture and locomotor p 183 A86-27671 equilibrium

Normal and abnormal human vestibular ocular

[NASA-CR-176820] p 257 N86-25978 BLACK, S.

The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679

BLACK, S. D. Amphibian fertilization and development microgravity p 195 A86-30408 BLACKETT, W. B.

Effects of high altitude on neurological and pulmonary function: The effect of high altitude on visual evoked potentials in humans on Mt. Everest

[AD-A168335] p 424 N86-32959

BLACKMAN, H. S.

Process of task analysis

[DE86-008183] p 409 N86-31225 BLAIR, N. Carbon isotopic fractionation in heterotrophic microbial

metabolism p 371 A86-40669 BLATTNER, M. M.

Design guidelines for the use of audio cues in computer interfaces

[DE85-015176] p 241 N86-23281 BLAUSER, D. J., JR.

Human factors engineering and operability in the design

of electronic warfare spaces aboard United States Naval combatants [AD-A162251] p 243 N86-24222

BLAZHEYEVICH, N. V. Role of vitamin D3 active metabolites in regulation of

calcium metabolism in hypokinetic rats p 174 N86-21124

RIFS W

What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction p 377 A86-41645

BLINNIKOVA, Y. I.

Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus p 220 N86-23243

BLIUGER. A. F.

The regulatory mechanisms of blood supply in skeletal p 207 A86-32524

The effects of hypoxia induced by low atmospheric essure on soft contact lens wear AD-A1585561 p 38 N86-12963

Soft contact lens wear during +G(Z) acceleration [AD-A165013] p 289 N86-27915 BLOMQUIST, R. N.

The Scientific Workstation Evaluation Project: Multidisciplinary experience with a scientific workstation [ANL-84-100] p 74 N86-14896 BLONS, J. H.

Recurrent serious otitis in a reconnaissance pilot - The consequences for his career p 112 A86-24506

Plasma lactate and ventilation thresholds in trained and untrained cyclists p 215 A86-30678 BLOOM, K. R.

Effects of broad-banded eye protection on dark daptation p 284 N86-26817 Permanent visual change associated with punctate foveal lesions p 284 N86-26823 BLOOM, R. F.

System development and evaluation technology: State of the art of manned system measurement AD-A160418]

BLOXOM, B. A new hazard function estimator of performance time

[AD-A157843] p 42 N86-12971 BLUEM, V.

Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson)

p 388 N86-29521 BOBKOV, IU. G.

Increased resistance of the brain to hypoxia due to a combination of lithium hydroxybutyrate indomethacine p 81 A86-22548 BOBKOVA, N. N.

The frequency of sister chromatid exchanges in blood cells under prolonged hypokinesia p 421 A86-49272 Study of hypokinesia and acceleration effects on human p 12 N86-10740

BOBROVA, M. A. Impulse activity of the brain stem neurons related to the cardiac and respiratory rhythms p 246 A86-35940 BOBROVNITSKII, M. P.

Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 BOBYREV, V. N.

Postradiation disorders of peripheral-nerve regeneration and the role of free-radical oxidation products in the appearance of these disorders p 105 A86-24422

Ecto-protein kinase activity on the external surface of p 207 A86-31650 BODIFFF, G.

On the occurrence and appearance of galactic life forms A thermodynamic approach BODROV, V. A. p 297 A86-38150

A study of functional asymmetry of paired organs in aircraft personnel p 10 A86-10750

p 52 A86-18181

p 239 A86-29881

n 234 A86-31823

p 260 A86-33788

p 432 A86-47771

p 236 A86-29856

n 294 NR6-26807

p 290 N86-26827

Responses of cat red-nucleus neurons to auditory

Time-sharing revised - Test of a componential model

An exploratory study of computer-based aviator sting p 231 A86-29909
The functional age profile - An objective decision criterion

for the assessment of pilot performance capacities and

Age-dependent changes in information processing

Application of the method of problem taxonomy to the simulation of human service reliability in the manual

Cockpit information requirements analysis - A mission

Visual and spectroradiometric performance criteria for Night Vision Goggles (NVG) compatible aircraft interior

Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30317

Abrasion-resistant aluminized-coated aramid fabrics for

for the assessment of individual differences

abilities between 20 and 60 years

BRATUS, N. V.

BRAUNE, R.

testina

capabilities

steering of aircraft [MBB-LKE-301/S/PUB/216]

BREITMAIER, W. A.

orientation

BRENNAN, D. H.

BRENNEMAN, R.

liahtina

Use of flight simulators for demonstration of functional	BORODIN, IU. B.
capacities of flight personnel p 72 N86-15870  BOER, L. C.	Changes in immunity under stress
Standardization of tasks: Approach planning	p 420 A86-49267 BOROWSKY, M. S.
[IZF-1984-19] p 20 N86-10782	Naval Training Command mishaps and instructor
Attention tasks and their relation to aging and flight experience	experience p 94 A86-20409
[IZF-1986-4] p 405 N86-30337	BORRAS, J.
Auditory versus visual selective-attention tasks	Explaining the unexplained dysbaric sport diving accidents p 123 N86-19864
[IZF-1985-19] p 427 N86-32100	BORTNOVSKIY, V. N.
BOETTCHER, K. L. On the analysis and design of human information	Effect of various doses of some vitamins on non-specific
processing organizations	mechanisms of adaptation of man p 13 N86-10750
[AD-A161015] p 136 N86-19902	BORTOLUSSI, M. R.  Measuring pilot workload in a motion base trainer - A
A procedure-based approach to human information processing models	comparison of four techniques p 239 A86-29880
[AD-A162454] p 181 N86-21144	BOSSONE, C. A.
A methodology for the analysis and design of human	A multi-isotope procedure for simultaneously estimating
information processing organizations	the volume of body fluid compartments of swine
[AD-A162083] p 235 N86-24214 BOFF, K. R.	[AD-A159631] p 64 N86-14881 BOSTON, P. J.
Eye-controlled switching for crew station design	Critical life science issues for a Mars base
p 142 A86-23711	[AAS 84-167] p 156 A86-28793
BOGARDUS, C.	BOTHE, D. J.
Effect of elevated FFA on carbohydrate and lipid oxidation during prolonged exercise in humans	Thermal insulating capabilities of 'thin' clothing insulation p 22 A86-10263
p 215 A86-30679	nsulation p 22 A86-10263  BOUTELIER, C.
BOGATYREV, A. V.	Thermal stress imposed on pilots by NBC protective
The effect of equally effective neutron and X-ray	clothing p 44 A86-13571
radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104	BOUTELLIER, U.
BOGDANOVA, N. N.	A fundamental problem in determining functional residual capacity or residual volume p 281 A86-39099
Informativeness of echo signal in pulsed	BOWERS, J. C.
ultrasonography of the brain (with use of model)	Information processing in vigilance performance -
p 66 N86-15887 BOGOMOLNI. R. A.	Complexity revisited p 259 A86-33778
Photoconversion from the light-adapted to the	BOWLING, A.  The effects of the contrast, spatial frequency, and
dark-adapted state of bacteriorhodopsin	temporal frequency of a surrounding field upon the
p 374 A86-43434	detection thresholds of gratings p 132 A86-26293
Photoenergy transduction in halobacterium halobium [NASA-CR-176673] p 248 N86-25970	BOWMAN, G.
BOHN, D.	Ames Research Center life sciences payload - Overview of results of a spaceflight of 24 rats and 2 monkeys
Partial recovery of neutrophil functions during prolonged	[AIAA PAPER 85-6092] p 50 A86-17607
hypothermia in pigs p 246 A86-36220 BOLONCHUK, W.	BOWYER, S.
The personality and physique of undergraduate aviation	The Berkeley Serendip Project p 309 N86-26906 BOYDA, R. B.
majors p 382 A86-40571	Electrochemical CO2 concentration for the Space
BOLSHSKOVA, T. D.	Station Program
The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700	[SAE PAPER 851341] p 138 A86-23528
Effects of 24 h sleep deprivation on biogenic amine	BRACK, A.  Search for chiral molecules and optical activity in
metabolism p 120 N86-19846	extraterrestrial systems. The Cassini mission opportunity
BONDAR, R. L Canadian medical experiments on Shuttle Flight 41-G	p 387 N86-28871
p 110 A86-22996	BRADFORD, K. Z.
BONDAR, Y. I.	Teleoperator human factors study [NASA-CR-176310] p 23 N86-11854
Method of changes in reversible pattern masking as	BRADTMILLER, B.
factor in visual perception p 221 N86-23263 BONDARENKO, R. A.	Demographic and anthropometric assessment of US
Some human reactions during 7-day antiorthostatic	Army anthropometric data base [AD-A164637] p 295 N86-26838
hypokinesia p 286 N86-27885	BRADY, M.
BONDARENKO, T. I.	Generating and generalizing models of visual objects
Homocarnosin in rat brain during adaptation to cold p 5 N86-10762	[AD-A158197] p 43 N86-13894
BONDI, K. R.	BRAGT, P. C.  Report of the symposium on biological monitoring of
Cardiorespiratory fitness and cognitive performance	exposure to metals and other inorganic compounds
before and after confinement in a nuclear submarine p 32 A86-14317	[MBL-1985-6] p 85 N86-17980
Body weight changes before and after submarine	BRAININ, P. A.
patrols	System development and evaluation technology: State of the art of manned system measurement
[AD-A161144] p 127 N86-19893	[AD-A160418] p 134 N86-18983
Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations	BRAMMER, J. D.
[AD-A166292] p 398 N86-30306	Identification and quantification of the water-soluble components of JP-4 and a determination of their biological
BOOTHBY, G.	effects upon selected freshwater organisms
Calcium antagonists in the prevention of motion sickness p.87 A86-20405	[AD-A160271] p 108 N86-18957
sickness p 87 A86-20405 <b>BOOZE, C. F., JR.</b>	BRANAM, K. M.
Blood pressure levels of active pilots compared with	Biomedical and Environmental Sciences Program publications 1984
those of air traffic controllers p 33 A86-14318	[DE85-015070] p 28 N86-12953
A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities	BRANDRIFF, B.
[AD-A159811] p 93 N86-17982	Detection of chromosomal abnormalities in human
BORISON, H. L.	sperm [DE85-014178] p 7 N86-11834
Is space sickness a form of motion sickness?	BRANDT, C. L.
PORISOVA F D	Mechanism of electromagnetic energy effects on the

nervous system: Voltage-clamp study

Metabolic distinctions of human red blood during

Effect of intensive operator work on lipid peroxidation

Archaebacterial lipids in hot-spring microbial mats p 80 A86-21587

p 282 N86-26798

p 60 N86-14850

p 286 N86-27882

(VK-83-05)

[AD-A164653]

BRANTOVA, S. S.

processes in man BRASSELL, S. C.

long-term spaceflights

manufacture of firefighters' protective clothing [AD-A157056] N86-14901 p 75 BRENNER, T. Stereoselective aminoacylation of RNA p 302 N86-26875 BRESCH, J. R. Suture needle holder [AD-D011764] p 37 N86-12958 New developments in on board oxygen generators p 430 A86-47740 BRIEGLEB, W. Some remarks on gravitational biology p 387 N86-29517 BRIERLEY, C. L. Planetary ecology; Proceedings of the Sixth International Symposium on Environmental Biogeochemistry, Santa Fe, NM, October 10-14, 1983 p 50 A86-18026 BRIERLEY, J. A. Planetary ecology; Proceedings of the Sixth International Symposium on Environmental Biogeochemistry, Santa Fe, NM, October 10-14, 1983 p 50 A86-18026 Photochemical reactions in interstellar grains photolysis of CO, NH3, and H2O p 189 A86-28721 Environmental considerations and waste planning on the lunar surface p 239 A86-30149 BRIGGS, R. P. Vision test battery threshold and response time as predictors of air-to-air visual target acquisition in F-14 and adversary aircraft p 400 N86-30321 BRIMMER, C. J. Recovery in skeletal muscle contractile function after prolonged hindlimb immobilization p 1 A86-10109 BRINKLEY, J. W. Psychomotor performance after forward-facing impact p 32 A86-14310 Effect of seat cushions of human respone to +Gz p 145 A86-25652 Comparison of human impact response in restraint systems with and without a negative G strap p 249 A86-33754 BROCK, J. Evaluation of helmet display formats p 184 A86-28440 BROCK, T. D. Life at high temperatures p 2 A86-11802 BROMMAGE, R. A maternal defect is responsible for growth failure in vitamin D-deficient rat pups p 52 A86-18398 Vitamin D-deficient rats produce reduced quantities of a nutritionally adequate milk p 52 A86-18399 1,25-dihydroxyvitamin D3 normalizes maternal food consumption and pup growth in rats p 52 A86-18400 Regulation of bone mineral loss during lactation p 82 A86-22713 BRONEZ, M. A. Telerobotics for the Space Station p 182 A86-26493 BROOKHUIS, K. A. The effects of the antidepressants oxaprotiline. mianserin, amitryptiline and doxepin upon actual driving performance

BORISOVA, E. D.

BORISOVA, I. IU.

BORLAND, R. G.

day-night schedule

recognition processes

The effect of high spatial frequencies on visual

Types of work capacity and the frequency of the

development of ischemic heart disease and hypertonic disease p 34 A86-15516

Performance overnight in shiftworkers operating a

p 41 A86-15524

p 179 A86-29095

Improvement in wear performance of surgical Ti-6AI-4V alloy by ion implantation of nitrogen or carbon [DE65-013986] p 18 N86-11849

habitats

BURENKOV, M. S.

The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721

Zopiclone's residual effect upon actual driving		
performance versus those of nitrazepam and	BUCHER, K.  Weather as a physical process and parameterization	BURKHART, R. L.
flunitrazepam	of the effects as a metassississis and parameterization	Measurement techniques for use with
[VK-84-10] p 423 N86-32954	of the effects as a meteorological contribution for	technique/exposure guides
ROOKS-MCQUADE, D.	investigating the correlation between weather and man	[PB86-123718] p 222 N86-23272
	p 166 N86-21026	BURKITBAYEV, S. M.
Simultaneous determination of fluid shifts during thermal	BUCHHOLTZ, C.	Element analysis of sclerotic formations of major blood
stress in a small animal model	A learning model as a basis for investigations of the	Venerals by least many and account formations of major blood
[AD-A159363] p 83 N86-16877	effects of gravity on the learning processes and memory	vessels by laser mass spectrometry p 118 N86-19833
ROOKS, C. J.	formulation n 380 N86-30536	BURKOVSKAYA, T. Y.
	Tormulation p 389 N86-29525 BUCK, W. W.	Effect of 24,25-dihydroxyvitamin D3 on osteogenetic
How much inherent buoyancy is acceptable in a		
helicopter passenger immersion suit p 96 A86-19310	On the biological hazard of galactic antinuclei	
Ship/rig personnel abandonment and helicopter	p 378 A86-43437	BURLATON, J. P.
crew/passenger immersion suits - The requirements in the	BUCKINGHAM, R. A.	Gastric and duodenal ulcers and the flight fitness of
North Atlantic p 187 A86-29100	A preliminary study - A multivariate analysis of attitudinal	pilots p 113 A86-24509
ROOKS, D. N.		
	characteristics of flight instructors p 232 A86-29914	Mitral valve prolapse in a young person - An estimation
Hysterical deafness - An unusual presentation of stress	BUCKPITT, A. R.	of the risk of arrhythmia - The impact on the flight fitness
in an air traffic control officer p 180 A86-29098	Comparative biochemistry and metabolism. Part 2:	of a pilot p 113 A86-24510
ROOKS, R.	Naphthalene lung toxicity	Continuous ECG monitoring of Mirage 2000 pilots
Perception of altitude in the low and medium altitude	FAD 44004443	(comparison with Mirago 2 and 54 miles)
		(comparison with Mirage 3 and F1 pilots)
ranges p 231 A86-29907	BUDINGER, T. F.	p 399 N86-30315
ROTHERS, S. Z.	Biological effects and physical safety aspects of NMR	BURNS, F. J.
The startle reflex as a learning task: Apparatus and test	imaging and in vivo spectroscopy	Radiation induction of cancer of the skin
parameters	[DE86-002966] p 213 N86-24190	
[AD-A167958] p 428 N86-32970	BUDININKAS. P.	
ROWN, C. E.		BURNS, J. W.
	Catalytic distillation water recovery subsystem	Hemodynamics of miniature swine during +Gz stress
Team performance with large and small screen	[NASA-CR-177382] p 99 N86-16902	with and without anti-G support p 275 A86-39096
displays	BUDKO, K. P.	
[AD-A158761] p 75 N86-14899	Thermovisual indicators of brain reactions to visual	BURNS, K. C.
ROWN, D. R.		Statistical research on problems of biodynamics
		[AD-A157993] p 67 N86-15899
Ultrasonic quantification of blood volume redistribution	Thermoencephaloscopy p 206 A86-30892	BURNS, R. K.
under hypergravity	Thermovisual indicators of brain response to visual	
[AD-A164379] p 257 N86-25982	stimuli p 119 N86-19843	Feature positive coding effects on object localization
ROWN, E. G.	BUGAT. R.	p 267 A86-33789
Effects of hemodilution on O2 transport in high-altitude		BUROV, A. IU.
	Variations in state of vigilance during continuous	
polycythemia p 37 A86-16053	operations at a command post	Evaluating the functional status of operators using
ROWN, E. N.	[DRIC-T-7503] p 95 N86-16900	indices of mental work capacity p 254 A86-36531
Pilot interaction with automated airborne decision	BUGBEE, B. G.	BURR, J.
making systems	NAME . A PROPERTY OF THE PROPE	Stanford Hardware Development Program
[NASA-CR-177002] p 385 N86-29508	Wheat farming in a lunar base p 191 A86-30165	
	Studies on maximum yield of wheat for the controlled	p 309 N86-26910
ROWN, R. D.	environments of space p 152 N86-19934	BURR, R. G.
Prebiotic matter in interstellar molecules	BUGG, C. E.	Assessing the health risks of carrier landings in US Navy
p 296 A86-38138	Protein crystal growth results from shuttle flight 51-F	pilots
RUDIEU, P.		[AD-A160928] p 127 N86-19891
Hermes ECLSS - Review of general requirements and	[NASA-CH-178540] p 82 N86-16875 BUGUET, A.	- F 12, 1100 10001
and and a the second of general requirements and		BURSE, R. L.
application to the spaceplane definition	Variations in state of vigilance during continuous	Respiratory response and muscle function during
[IAF PAPER 85-304] p 45 A86-15817	operations at a command post	isometric handgrip exercise at high altitude
RUNDERMAN, J.	[DRIC-T-7503] p 95 N86-16900	
Pilot-oriented performance measurement	BUHSE, R.	F === 1100 = 1100
	*** ** * * * * * * * * * * * * * * * *	Effect of dexamethasone on symptoms of acute
		mountain sickness at Pikes Peak, Colorado (4300m)
[AD-A158849] p 40 N86-13890	The Berkeley Serendip Project p 309 N86-26906	
RUNER, R. H.	Bui, H.	
RUNER, R. H. The experimental determination of safe atmospheric	BUI, H.	[AD-A168662] p 425 N86-32963
RUNER, R. H. The experimental determination of safe atmospheric	BUI, H. Organic S13C values vary slightly with salinity in	[AD-A168662] p 425 N86-32963 BURTON, R. R.
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur.	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985	BUI, H. Organic S13C values vary slightly with salinity in	[AD-A168662] p 425 N86-32963 BURTON, R. R. Chronic acceleration and egg production in domestic fowl p 193 A86-30392
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-4163179] p 258 N86-25985 RUNS, B.	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values	[AD-A168662] p 425 N86-32963 BURTON, R. R. Chronic acceleration and egg production in domestic fowl p 193 A86-30392
The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel  [AD-A163179] p 258 N86-25985  RUNS, B.  Estimating the small airways resistance from	BUI, H. Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl p 193 A86-30392 Influence of inspired oxygen concentration on
The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel  [AD-A163179] p 258 N86-25985  RUNS, B.  Estimating the small airways resistance from	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl p 193 A86-30392 Influence of inspired oxygen concentration on acceleration atelectasis
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated	[AD-A168662] p 425 N86-32963  BURTON, R. R. Chronic acceleration and egg production in domestic fowl p 193 A86-30392  Influence of inspired oxygen concentration on acceleration atelectasis  [AD-A168640] p 253 A86-36313
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392  Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313  Hemodynamics of miniature swine during +Gz stress
THE EXPERIENCE THE PROOF OF THE	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392  Influence of inspired oxygen concentration on acceleration atelectasis  [AD-A168540] p 253 A86-36313  Hemodynamics of miniature swine during +Gz stress
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392  Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313  Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P. Platelet-endothelial function in relation to environmental temperature	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900 BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746 BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] Hemodynamics of miniature swine during + Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392  Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313  Hemodynamics of miniature swine during + Gz stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status
THE R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900 BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746 BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392  Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-38313  Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status  p 396 A86-44097
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature p 116 N86-18970 Thermoregulation after atropine and pralidoxime	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y, Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L I.	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine during + Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status  BUSCH, M. A.
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L I.  The diaphoretic reflex in a complex of methods for	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392  Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313  Hemodynamics of miniature swine during + Gz stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453  Sweating reflex in complex of methods for evaluating	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392  Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313  Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 9396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N. In vivo nuclear magnetic resonance imaging	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine during + Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYNN, R. N.  In vivo nuclear magnetic resonance imaging	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y, Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency  p 285 N86-27872	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] Hemodynamics of miniature swine and without anti-G support p 275 A86-36313 Hemodynamics of miniature swine during + Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P. Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency  p 285 N86-27872  BULBULIAN, R.	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency  p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hermodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency  p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated  p 396 A86-44096	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hermodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency  p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] Hemodynamics of miniature swine during + Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and +Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392  Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313  Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system  [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency  p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated  p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine during + Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel  [AD-A163179] p 258 N86-25985  RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848  RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  Thermoregulation after atropine and pralidoxime administration  [AD-A165868] p 397 N86-30304  RYAN, R. N.  In vivo nuclear magnetic resonance imaging  [NASA-CR-171928] p 170 N86-21105  RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867  RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency  p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated  p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system  [AD-A162931]  p 236 N86-24215	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine during + Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical metabolism p 1 A86-10104	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency  p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated  p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status  p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps,
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYAN, TS.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic public fowl Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during + Foz stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13993-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-18867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine during + Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F. Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y. Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I. The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R. Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G. Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G. Coping with automation - An airline view p 238 A86-29873	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +FG stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13993-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based system for workstation design and
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel  [AD-A163179] p 258 N86-25985  RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848  RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  Thermoregulation after atropine and pralidoxime administration  [AD-A165868] p 397 N86-30304  RYAN, R. N.  In vivo nuclear magnetic resonance imaging  [NASA-CR-171928] p 170 N86-21105  RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867  RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104  JCH, G.  Private pilot judgment training in flight school settings A demonstration project p 228 A86-29890  JCH, G. P.	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel  [AD-A163179] p 258 N86-25985  RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848  RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  Thermoregulation after atropine and pralidoxime administration  [AD-A165868] p 397 N86-30304  RYAN, R. N.  In vivo nuclear magnetic resonance imaging  [NASA-CR-171928] p 170 N86-21105  RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867  RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104  JCH, G. P.  Judgment training in flight school settings - A demonstration project p 228 A86-29890  JCH, G. P.  Judgment training effectiveness and permanency	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine during + Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based system for workstation design and analysis p 142 A86-23707
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 JCH, G. P.  Judgment training effectiveness and permanency	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based system for workstation design and analysis p 142 A86-23707  Computer-based tools for cockpit design
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings A demonstration project p 228 A86-29890 JCH, Y. I.	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L.I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency  p 285 N86-27872  BULBULIAN, R.  Physical training and +Gz tolerance reevaluated  p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system  [AD-A162931]  p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view  p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles  p 297 N86-26846  BUNGO, M. W.	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during + Foz stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, K. JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based system for workstation design and analysis p 142 A86-23707  Computer-based tools for cockpit design p 184 A86-28436
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings A demonstration project p 228 A86-29890 JCH, Y. I.	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846  BUNGO, M. W.  Cardiovascular deconditioning during space flight and	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine during + Fd2 stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based system for workstation design and analysis p 142 A86-23707  Computer-based tools for cockpit design p 184 A86-28436
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 JCH, Y. I.  TV monitoring control system in electrophysiological	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L.I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency  p 285 N86-27872  BULBULIAN, R.  Physical training and +Gz tolerance reevaluated  p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system  [AD-A162931]  p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view  p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles  p 297 N86-26846  BUNGO, M. W.	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-1393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based system for workstation design and analysis p 142 A86-23707  Computer-based tools for cockpit design p 184 A86-28436  BUZUNOV, V. A.  Effects of hypodynamia and neuroemotional stress on
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 JCH, V. I.  TV monitoring control system in electrophysiological studies	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and +Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846  BUNGO, M. W.  Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during + Fe2 stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13993-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based system for workstation design and analysis p 142 A86-23707  Computer-based tools for cockpit design  Computer-based tools for cockpit design  p 184 A86-28436  BUZUNOV, V. A.  Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel  [AD-A163179] p 258 N86-25985  RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848  RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  Thermoregulation after atropine and pralidoxime administration  [AD-A165868] p 397 N86-30304  RYAN, R. N.  In vivo nuclear magnetic resonance imaging  [NASA-CR-171928] p 170 N86-21105  RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867  RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104  JCH, G.  Private pilot judgment training in flight school settings and demonstration project p 228 A86-29890  JCH, G. P.  Judgment training effectiveness and permanency p 228 A86-29888  JCH, Y. I.  TV monitoring control system in electrophysiological studies  JCHACKER, E.	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L.I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and +Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles  BUNGO, M. W.  Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance p 8 A86-10257	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-30392  Hemodynamics of miniature swine during +FG stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13993-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based system for workstation design and analysis p 142 A86-23707  Computer-based tools for cockpit design p 184 A86-28436  BUZUNOV, V. A.  Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 JCH, Y. I.  TV monitoring control system in electrophysiological studies p 14 N86-10765 JCHACKER, E.  A flight test method for pilot/aircraft analysis	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L.I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846  BUNGO, M. W.  Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance  The human cardiovascular system in the absence of	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hermodynamics of miniature swine during + FG stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based tools for cockpit design and analysis p 142 A86-23707  Computer-based tools for cockpit design p 184 A86-28436  BUZUNOV, V. A.  Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 JCH, C. P.  Judgment training effectiveness and permanency p 228 A86-29888 JCH, V. I.  TV monitoring control system in electrophysiological studies p 14 N86-10765 JCHACKER, E.  A flight test method for pilot/aircraft analysis p 442 N86-33011	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system  [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846  BUNGO, M. W.  Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance p 8 A86-10257  The human cardiovascular system in the absence of gravity	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based system for workstation design and analysis p 142 A86-23707  Computer-based tools for cockpit design p 184 A86-28436  BUZUNOV, V. A.  Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems by CHKOV, V. P.
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 JCH, Y. I.  TV monitoring control system in electrophysiological studies p 14 N86-10765 JCHACKER, E.  A flight test method for pilot/aircraft analysis	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L.I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846  BUNGO, M. W.  Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance  The human cardiovascular system in the absence of	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +FG stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13993-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based system for workstation design and analysis p 142 A86-23707  Computer-based tools for cockpit design p 184 A86-28436  BUZUNOV, V. A.  Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems during muscular work  BYCHKOV, V. P.  Distinctions in humoral control of metabolism with
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel  [AD-A163179] p 258 N86-25985  RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848  RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature  [AD-A160744] p 116 N86-18970  Thermoregulation after atropine and pralidoxime administration  [AD-A165868] p 397 N86-30304  RYAN, R. N.  In vivo nuclear magnetic resonance imaging  [NASA-CR-171928] p 170 N86-21105  RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867  RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104  JCH, G.  Private pilot judgment training in flight school settings p 486-29890  JCH, Q. P.  Judgment training effectiveness and permanency p 228 A86-29890  JCH, Y. I.  TV monitoring control system in electrophysiological p 14 N86-10765  JCHACKER, E.  A flight test method for pilot/aircraft analysis p 442 N86-33011	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846  BUNGO, M. W.  Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance p 8 A86-10257  The human cardiovascular system in the absence of gravity [IAF PAPER 85-315] p 35 A86-15825	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl Influence of inspired oxygen acceleration atelectasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based tools for cockpit design and analysis p 142 A86-23707  Computer-based tools for cockpit design p 184 A86-28436  BUZUNOV, V. A.  Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems the performance of circulatory and respiratory systems the performance of circulatory and respiratory systems because in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings A demonstration project p 228 A86-29890 JCH, V. I.  TV monitoring control system in electrophysiological p 14 N86-10765 JCHACKER, E.  A flight test method for pilot/aircraft analysis p 442 N86-33011 JCHANAN, B. B.  Thioredoxins in evolutionarily primitive organisms	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L.I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846  BUNGO, M. W.  Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance p 8 A86-10257  The human cardiovascular system in the absence of gravity [IAF PAPER 85-315] p 35 A86-15825  BURAKOVA, L. B.	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +FG stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13993-1] p 187 N86-21147  BUTLER, F. K., JR.  A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based system for workstation design and analysis p 142 A86-23707  Computer-based tools for cockpit design p 184 A86-28436  BUZUNOV, V. A.  Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems during muscular work  BYCHKOV, V. P.  Distinctions in humoral control of metabolism with
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 JCH, C. P.  Judgment training effectiveness and permanency p 228 A86-29898 JCH, ACKER, E.  A flight test method for pilot/aircraft analysis p 442 N86-3011 JCHANAN, B. B.  Thioredoxins in evolutionarily primitive organisms p 306 N86-26893	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L.I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846  BUNGO, M. W.  Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance p 8 A86-10257  The human cardiovascular system in the absence of gravity [IAF PAPER 85-315] p 35 A86-15825  BURAVKOVA, L. B.  Some results of a study of the bioenergetics of rat muscle	[AD-A168662] p 425 N86-32963  BURTON, R. R. Chronic acceleration and egg production in domestic fowl p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A. Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G. Mobile remote manipulator vehicle system [NASA-CASE-LAR-1393-1] p 187 N86-21147  BUTLER, F. K., JR. A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K. Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C. A computer-based system for workstation design and analysis computer-based tools for cockpit design p 184 A86-28436  BUZUNOV, V. A. Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems during muscular work p 422 A86-49919  BYCHKOV, V. P. Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884 Amino acid spectrum of human blood in the presence
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, Q.  Private pilot judgment training in flight school settings A demonstration project p 228 A86-29890 JCH, Y. I.  TV monitoring control system in electrophysiological p 14 N86-10765 JCHACKER, E.  A flight test method for pilot/aircraft analysis p 442 N86-33011 JCHANAN, B. B.  Thioredoxins in evolutionarily primitive organisms p 306 N86-26893	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L. I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 285 N86-27872  BULBULIAN, R.  Physical training and +Gz tolerance reevaluated  p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system  [AD-A162931]  p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view  p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles  p 297 N86-26846  BUNGO, M. W.  Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance  p 8 A86-10257  The human cardiovascular system in the absence of gravity  [IAF PAPER 85-315]  p 35 A86-15825  BURAVKOVA, L. B.  Some results of a study of the bioenergetics of rat muscle in weightlessness  p 49 A86-16754	[AD-A168662] p 425 N86-32963  BURTON, R. R.  Chronic acceleration and egg production in domestic fowl Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096  Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A.  Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G.  Mobile remote manipulator vehicle system [NASA-CASE-LAR-13993-1] p 187 N86-21147  BUTLER, F. K., JR.  A biltz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K.  Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C.  A computer-based system for workstation design and analysis p 142 A86-23707  Computer-based tools for cockpit design p 184 A86-28436  BUZUNOV, V. A.  Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems during muscular work p 422 A86-49919  BYCHKOV, V. P.  Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884 Amino acid spectrum of human blood in the presence of emotional stress p 287 N86-27901
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890 JCH, G. P.  Judgment training effectiveness and permanency p 228 A86-29888 JCH, Y. I.  TV monitoring control system in electrophysiological studies p 14 N86-10765 JCHACKER, E.  A flight test method for pilot/aircraft analysis p 442 N86-3011 JCHANAN, B. B.  Thioredoxins in evolutionarily primitive organisms p 306 N86-26693 JCHANAN, P.  Controlled ecological life support systems for space	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F.  Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L.I.  The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R.  Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E.  Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846  BUNGO, M. W.  Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance p 8 A86-10257  The human cardiovascular system in the absence of gravity [IAF PAPER 85-315] p 35 A86-15825  BURAVKOVA, L. B.  Some results of a study of the bioenergetics of rat muscle	[AD-A168662] p 425 N86-32963  BURTON, R. R. Chronic acceleration and egg production in domestic fowl Influence of inspired oxygen acceleration at electasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine during +G2 stress simulated aerial combat maneuvering tolerance and physical conditioning - Current status  BUSCH, M. A. Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSCH, H. G. Mobile remote manipulator vehicle system  [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR. A blitz of bends - Decompression sickness in four students after hypobaric chamber training  p 378 A86-41790  BUTLER, K. Division of attention as a function of the number of steps, visual shifts, and memory load  [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L C. A computer-based tools for cockpit design of the performance of circulatory and respiratory systems of the performance of circulatory and respiratory systems during muscular work p 422 A86-2919  BYCHKOV, V. P. Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884  Amino acid spectrum of human blood in the presence of emotional stress p 287 N86-27901  BYERLY, G. R.
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, Q.  Private pilot judgment training in flight school settings A demonstration project p 228 A86-29890 JCH, Y. I.  TV monitoring control system in electrophysiological p 14 N86-10765 JCHACKER, E.  A flight test method for pilot/aircraft analysis p 442 N86-33011 JCHANAN, B. B.  Thioredoxins in evolutionarily primitive organisms p 306 N86-26893 JCHANAN, P.  Controlled ecological life support systems for space	BUI, H. Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F. Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y. Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I. The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R. Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G. Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G. Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E. Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846  BUNGO, M. W. Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance p 8 A86-10257  The human cardiovascular system in the absence of gravity [IAF PAPER 85-315] p 35 A86-15825  BURAVKOVA, L. B. Some results of a study of the bioenergetics of rat muscle in weightlessness p 49 A86-16754	[AD-A168662] p 425 N86-32963  BURTON, R. R. Chronic acceleration and egg production in domestic fowl p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A. Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G. Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR. A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K. Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C. A computer-based system for workstation design and analysis p 142 A86-23707  Computer-based tools for cockpit design p 184 A86-28436  BUZUNOV, V. A. Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems during muscular work p 422 A86-49919  BYCHKOV, V. P. Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884  BYERLY, G. R. Stromatolites from the 3,300-3,500-Myr Swaziland
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-28448 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, G.  Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29880 JCH, G. P.  Judgment training effectiveness and permanency p 228 A86-29888 JCHACKER, E.  A flight test method for pilot/aircraft analysis p 442 N86-3011 JCHANAN, B. B.  Thioredoxins in evolutionarily primitive organisms p 306 N86-26893 JCHANAN, P.  Controlled ecological life support systems for space habitats p 98 A86-22325	BUI, H.  Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values  p 308 N86-26900  BUICK, F. Tactical Life Support System (TLSS) aircrew integrated garment  p 431 A86-47746  BUKALOV, Y. Y. Investigation of factors determining pilot's geocentric orientation  p 72 N86-15868  BUKVAREVA, L.I. The diaphoretic reflex in a complex of methods for estimating operator efficiency  p 285 N86-27872  BULBULIAN, R. Physical training and + Gz tolerance reevaluated  p 396 A86-44096  BULETZA, P. G.  Development of a computer-managed readiness assessment system  [AD-A162931]  p 236 N86-24215  BULEY, R. G.  Coping with automation - An airline view  p 238 A86-29873  BUNCH, T. E. Characterization of biogenic elements in interplanetary dust particles  p 297 N86-26846  BUNGO, M. W.  Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance  The human cardiovascular system in the absence of gravity  [IAF PAPER 85-315]  p 35 A86-15825  BURAVKOVA, L. B. Some results of a study of the bioenergetics of rat muscle in weightlessness  P 49 A86-16754  BURBECK, C. A. Spatiotemporal	[AD-A168662] p 425 N86-32963  BURTON, R. R. Chronic acceleration and egg production in domestic fowl Influence of inspired oxygen acceleration at electasis  [AD-A168540] p 253 A86-36313 Hemodynamics of miniature swine during +G2 stress simulated aerial combat maneuvering tolerance and physical conditioning - Current status  BUSCH, M. A. Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSCH, H. G. Mobile remote manipulator vehicle system  [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR. A blitz of bends - Decompression sickness in four students after hypobaric chamber training  p 378 A86-41790  BUTLER, K. Division of attention as a function of the number of steps, visual shifts, and memory load  [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L C. A computer-based tools for cockpit design of the performance of circulatory and respiratory systems of the performance of circulatory and respiratory systems during muscular work p 422 A86-2919  BYCHKOV, V. P. Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884  Amino acid spectrum of human blood in the presence of emotional stress p 287 N86-27901  BYERLY, G. R.
RUNER, R. H.  The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel [AD-A163179] p 258 N86-25985 RUNS, B.  Estimating the small airways resistance from measurements of the upstream resistance of several gas mixtures p 162 A86-2848 RUTTIG, S. P.  Platelet-endothelial function in relation to environmental temperature [AD-A160744] p 116 N86-18970 Thermoregulation after atropine and pralidoxime administration [AD-A165868] p 397 N86-30304 RYAN, R. N.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 RYANTSEVA, L. A.  Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 RZEZINSKA, Z.  Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle metabolism p 1 A86-10104 JCH, Q.  Private pilot judgment training in flight school settings A demonstration project p 228 A86-29890 JCH, Y. I.  TV monitoring control system in electrophysiological p 14 N86-10765 JCHACKER, E.  A flight test method for pilot/aircraft analysis p 442 N86-33011 JCHANAN, B. B.  Thioredoxins in evolutionarily primitive organisms p 306 N86-26893 JCHANAN, P.  Controlled ecological life support systems for space	BUI, H. Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p 308 N86-26900  BUICK, F. Tactical Life Support System (TLSS) aircrew integrated garment p 431 A86-47746  BUKALOV, Y. Y. Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  BUKVAREVA, L. I. The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453  Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872  BULBULIAN, R. Physical training and + Gz tolerance reevaluated p 396 A86-44096  BULETZA, P. G. Development of a computer-managed readiness assessment system [AD-A162931] p 236 N86-24215  BULEY, R. G. Coping with automation - An airline view p 238 A86-29873  BUNCH, T. E. Characterization of biogenic elements in interplanetary dust particles p 297 N86-26846  BUNGO, M. W. Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance p 8 A86-10257  The human cardiovascular system in the absence of gravity [IAF PAPER 85-315] p 35 A86-15825  BURAVKOVA, L. B. Some results of a study of the bioenergetics of rat muscle in weightlessness p 49 A86-16754	[AD-A168662] p 425 N86-32963  BURTON, R. R. Chronic acceleration and egg production in domestic fowl p 193 A86-30392 Influence of inspired oxygen acceleration atelectasis  [AD-A168640] p 253 A86-36313 Hemodynamics of miniature swine during +Gz stress with and without anti-G support p 275 A86-39096 Simulated aerial combat maneuvering tolerance and physical conditioning - Current status p 396 A86-44097  BUSCH, M. A. Ventilatory acclimatization to hypoxia is not dependent on cerebral hypocapnic alkalosis p 206 A86-30683  BUSH, H. G. Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147  BUTLER, F. K., JR. A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790  BUTLER, K. Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328  BUTTERBAUGH, L. C. A computer-based system for workstation design and analysis p 142 A86-23707  Computer-based tools for cockpit design p 184 A86-28436  BUZUNOV, V. A. Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems during muscular work p 422 A86-49919  BYCHKOV, V. P. Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884  BYERLY, G. R. Stromatolites from the 3,300-3,500-Myr Swaziland

Characteristics of accelerations in aerobatic flight as a port p 172 N86-21117

sport

D 407 A86-46945

n 215 A86-30678

p 96 A86-19315

p 22 N86-10786

p 186 A86-28810

p 249 N86-25975

p 235 N86-23278

p 373 A86-41786

p 66 N86-15879

p 49 A86-16901

p 216 A86-30681

p 371 A86-40675

p 74 A86-18541

p 396 A86-44814

p 175 N86-21137

p 380 N86-29501

p 234 A86-31821

p 441 N86-33004

p 224 N86-24199

Advanced operator/system interface concepts for the

Plasma lactate and ventilation thresholds in trained and

Effect of increased body clothing insulation on hand

Mass-balance model for a controlled ecological life

Psychological selection of personnel for employment in

Postradiation regional cerebral blood flow in primates

Comparison between the antihypoxic effectiveness of

Fibre-type specificity and effect of thyroid hormone on

Somatostatin inhibits the ventilatory response to hypoxia

Nuclear lamins and peripheral nuclear antigens during

G-induced loss of consciousness - Combat aircraft pilots

Electrocardiogram in NEHB type leads of Macaca

MTF's and Wiener spectra of radiographic screen-film

Visual lobe area for single targets on a competing

A model for the human's use of visual field cues in

systems. Volume 2: (Including speeds of screens, films

fertilization and embryogenesis in mice and sea urchins

Pilots of the future - Human or computer?

glucose 6-phosphate dehydrogenase activity in normal and

denervated skeletal muscles of the rat

drugs and pressure-chamber training p 34 A86-15518 Man's tolerance to fulminant form of hypoxic hypoxia

Molecular sieve oxygen systems and aircraft role

CASE, C. M.

CASSIDY, R.

Space Station

untrained cyclists

CATTROLL, S. W.

[AD-A156597]

AS 84-1841

[AD-D012163]

[DRIC-T-74491

CHABDAROVA, R. N.

the Antartic

CÈRVENY, T. J.

CHACON, M.

in humans

CHAMBERS, A. B.

CHAMBOST, G.

CHAN, H. P.

CHAN, H. S.

CHAN, K.

CHAN, K. H.

CHAN, K. K.

[AD-A162106]

head for trouble

CHAMURLIYEV, G. G.

mulatta monkeys

[PB86-184934]

and screen-film systems)

homogeneous background

nap-of-the-Earth flight

support system on Mars

CAUDILL, T. R.

CAVIN. J.

CAZES, G.

[AIAA PAPER 86-2317]

temperature in a cold environment

Magnetic separation device

BYKOVSKIY, Y. A.

Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833

The effect of a microwave radiation (2.45 GHz CW) on the molt of house finches (Carpodacus Mexicanus) p 52 A86-18513

BYSTROV. IU. A. Electronic displays p 241 A86-33322 RYSTROVA N K

Interaction of asialoglycoprotein receptor of hepatocytes with chemically galactosilated acid alpha-glucosidase p 210 N86-23224

## C

CADARETTE, B. S.

Thermoregulation after atropine and pralidoxime administration

[AD-A165868] p 397 N86-30304 CAGLE C Automated anthropometric data measurement system

[AD-D012299] p 443 N86-33017 CAINE, Y. Low back pain in pilots p 395 A86-44092

The significance of recurrent childhood respiratory disorders in flight training applicants p 395 A86-44095 CAIRNS-SMITH, G. Signs of life p 154 A86-25774

CAIRNS, J. S. Sequence polymorphism of HLA-DR beta 1 alleles

relating to T cell-recognized determinants [AD-A160237] p 107 N86-18956 DNA and protein studies of HLA class 2 molecules: Their relationship to T cell recognition

[AD-A160704] p 116 N86-18968 CALCOTT, T. A.

The organic aerosols of Titan p 298 N86-26852 CALDWELL D.F.

Planetary ecology: Proceedings of the Sixth International Symposium on Environmental Biogeochemistry, Santa Fe, NM, October 10-14, 1983 p 50 A86-18026

Refurbishing spray on aluminum enamel on proximity

clothing [AD-A159707] p 153 N86-19944 CALHOUN, G. I.

Eye-controlled switching for crew station design

p 142 A86-23711 Eve and head response to an attention cue in a dual p 262 A86-33827 paradiam

CALKINS, D. S. Arousal and stability - The effects of five new sympathomimetic drugs suggest a new principle for the

prevention of space motion sickness p 113 A86-25656

CALL, D. W.

An automated methodology for conducting human factors evaluations of protective garments p 268 A86-33817

CALLAHAN, P.

Animal studies on Spacelab-3

[NASA-TM-88212] p 92 N86-16889

CALLAHAN, P. X. Ames Research Center life sciences payload - Overview of results of a spaceflight of 24 rats and 2 monkeys p 50 A86-17607 [AIAA PAPER 85-6092]

Ames Research Center Life Sciences Payload Overview of results of a spaceflight of 24 rats and 2

TAIAA PAPER 86-05831 p 79 A86-19963

CAMPBELL-GROSSMAN, C.

Reduction of circadian disruption following surgery by ingestion of caffeine in the laboratory rat p 201 A86-30447

CAMPBELL, D. M.

Spin-dependent electron scattering from optically active molecules p 76 A86-16425

CAMPBELL, M.

Microprobe analysis of epiphyseal plates from Spacelab 3 rats p 204 A86-30469

CAMPBELL, N. L.

Mechanism of electromagnetic energy effects on the nervous system: Voltage-clamp study

[AD-A164653] CAMPBELL, P.

Refurbishing spray on aluminum enamel on proximity clothing [AD-A159707] p 153 N86-19944

CAMPURRA, G.

Elements of Radiation Protection [ISS-L-84/7] p 288 N86-27908 Operating radiation protection: Medical aspects

p 288 N86-27912

p 282 N86-26798

CANAVERIS. G.

Intraventricular conduction disturbances in flying personnel Right bundle branch block D 378 A86-41788

Osteocalcin as an indicator of bone metabolism durin spaceflight p 205 A86-30474 CANNET. G.

Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers p 122 N86-19863

Metabolic changes following eccentric exercise in trained and untrained men [AD-A166521] p 402 N86-31211

CANNON, M. W., JR.

Perceived contrast in the fovea and periphery
[AD-A162557] p 19 Al p 19 A86-11148 CANNON, R. H., JR. Control of a free-flying robot manipulator system

[NASA-CR-179717]

CAPDEROU. A. Time course of muscular blood metabolites during forearm rhythmic exercise in hypoxia

p 252 A86-36222

p 443 N86-33016

CAREN, L. D. An overview of space physiology and related xperiments on Spacelab 1 p 87 A86-21097 experiments on Spacelab 1

CARLE, G. C. A gas chromatograph experiment for a Titan entry robe p 299 N86-26856 Molecular and Elemental Dust Analyzer (MEDA) for the comet rendezvous asteroid flyby mission

p 299 N86-26857 multiplex gas chromatography: A novel analytical technique for future planetary studies

p 299 N86-26860 Ion Mobility Drift Spectrometer (IMDS) as a flight p 300 N86-26861 analytical instrument technique

The influence of individual factors in man on bubble formation in air diving decompression

p 125 N86-19881

CARLSON, C. R.

Spatial-frequency model for hyperacuity p 19 A86-11147

CARLSON, D.

Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917

CARLSSON, A. L. The Eleventh Annual Meeting of the European Undersea Biomedical Society (EUBS) on Diving and Hyperbaric Medicine

[FOA-C-50021-H1] p 121 N86-19854

CARLTON, L. G.

The role of impulse parameters in force variability p 439 N86-32997

CARNEY, T. Mechanisms of human motion perception revealed by a new cyclopean illusion p 235 A86-33103

Earth's early atmosphere as seen from carbon and

nitrogen isotopic analysis of Archean sediments p 304 N86-26883

CARRANO, A. V. Detection of chromosomal abnormalities in human

p 7 N86-11834 [DE85-014178] Variation in baseline sister chromatid exchange

frequencies in humans [DE85-016084] p 64 N86-14883

CARRIER, M., JR. A chinchilla restraint system

[AD-A167408]

p 416 N86-32084 CARROLL, R. J.

Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823

CARTER, E. T.

Airline pilot disability - The continued experience of a p 8 A86-10251

CARTER, R. A.

Personality type analysis of Air Force Institute of Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator p 181 N86-22107 AD-A1610531

CARUTHERS, C. M.

The Scientific Workstation Evaluation Project: Multidisciplinary experience with a scientific workstation p 74 N86-14896 [ANL-84-100] CASALI, J. G.

Evaluation of 16 measures of mental workload using a simulated flight task emphasizing mediational activity p 179 A86-28864

A model of the human's use of visual field cues in nap-of-the-earth flight [AIAA PAPER 86-2252]

p 426 A86-47498 CHANG. M. S.

Bacterial inactivation by means of ionizing radiation [DE86-901038] p 412 N86-30348

Remote sensing of body signs and signatures

CHANG, S. Isotopic characterisation of prebiotic synthesis of organic material

p 300 N86-26865 CHAPMAN, R. S.

Health effects of ambient ozone exposure in vigorously exercising adults p 258 N86-25989

CHARETTE, R. N.

A methodology for addressing system operability

p 184 A86-28437 CHARLES, J. R.

Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance

tolerance p.8 A86-10257
The human cardiovascular system in the absence of [IAF PAPER 85-315] p 35 A86-15825

CHARNEY, D. H.

The role of elaborations in instructional texts: Learning to use the appropriate procedure at the appropriate time [AD-A165211] p 291 N86-26833

**B-8** 

Initial skill learning: An analysis of how elaborations facilitate the three components FAD-A1651371 p 292 N86-27922 CHATTERJEE, I. Likelihood of high rates of energy deposition in the human legs at the ANSI recommended 3-30-MHz RF safety levels p 58 A86-17918 Human body impedance and threshold currents for erception and pain for contact hazard analysis in the VLF-MF band p 281 A86-39598 CHATTERJEE, P. C. Medical requirement for manned space programme D 11 A86-12426 Medical problems of space flights p 251 A86-35285 Vectorcardiographic studies during Indo-Soviet joint space project p 251 A86-35288 Some aspects of yogic exercises during space flight p 263 A86-35289 Elevations of plasma endotoxin levels and lysosomal enzyme activities in divers during a simulated to 300 msw p 123 N86-19866 CHAZOV, Y. Advances in nerve cell research p 91 N86-16882 CHECHILE, R. A. of syntactic complexity on the rinteraction p 271 A86-36172 The effects human-computer interaction Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328 CHEE. O. Otoconial morphology in space-flown rats p 204 A86-30470 CHEKURDA, R. P. Heart and respiration rates during a mental task performed with varying degrees of success p 254 A86-36526 CHEN. L. H. Bacterial inactivation by means of ionizing radiation [DE86-901038] p 412 N86-30348 CHENG, L. Microgravity changes in heart structure and cyclic-AMP metabolism p 203 A86-30465 CHENIAE G. M. Physiology/biochemistry of photoactivation of O2 evolution: Probes for the S-state protein [DE85-016834] p 53 N86-14843 CHEREDNICHENKO, I. A. EREDNICHENRO, I. A.

Experimental evaluation of pathogenicity of different ariants of lassa virus p 211 N86-23254 variants of lassa virus CHEREDNICHENKO, Y. N. Standardization of conditions for measuring intensity of specific fluorescence in continuous cell cultures infected with variants of Japanese encephalitis virus p 211 N86-23255 CHERENKEVICH, S. N. Fluorescent-polarization properties of chromophores of water-soluble proteins of normal and cataractal human p 118 N86-19832 CHERNIGOVSKAIA, S. V. Types of work capacity and the frequency of the development of ischemic heart disease and hypertonic p 34 A86-15516

CHERNITSKIY, Y. A. Light induced damage to erythrocyte membrane sensitized by tetrasulfophenyl porphin p 109 N86-19838 CHERNUKHA, Y. G. Cloning and expression of leptospira pomona hemolysin ene in escherichia coli p 211 N86-23249 CHERNYAVSKIY, V. N. Meteorological adaptation research at biology institute p 211 N86-23257 CHERTKOV, K. S.

p 220 N86-23256 CHESTUKHIN, V. V. Correlation between the arterial blood pressure, the pulmonary artery pressure, and central venous pressure p 90 A86-22542 CHIBRIKIN, V. M. The rhythms of paramagnetic-center concentration in mouse liver and a mathematical model of synchronized autooscillations p 247 A86-36497

Radioprotective and therapeutic efficacy of carrageenan

Salyut-7 electrophoresis experiments aid medical

Vaccine Proteins R and D on Salyut-7

p 287 N86-27904

p 158 N86-20445

against proton radiation

CHESANOVA, T.

CHIGNELL M. H. Knowledge-based load leveling and task allocation in uman-machine systems p 437 N86-32985 human-machine systems The effects of stress on attentional resources p 437 N86-32986

CHILDS, J. M. Interactive computer-based flight training [SAE PAPER 851991] p 263 A86-35430 CHILLAG. N. The psychophysics of workload - A second look at the relationship between subjective measures p 260 A86-33804 CHISUM, G. T. The application of diffraction optics techniques to laser eye protection p 284 N86-26821 The effect of spectrally selective filters on visual search [AD-A1658351 D 404 N86-30329 CHIZHOV, N. P.

Model of experimental pixuna virus infection in white mice p 211 N86-23253 CHO, Y. I. Measurement and prediction of flow through a replica segment of a mildly atherosclerotic coronary artery of

and

p 374 A86-43440 Fluid dynamic study in a femoral artery branch casting of man with upstream main lumen curvature for steady p 397 A86-45254 CHOU. C. C.

New physical methods for biological aerosol detection [AD-A158218] p 29 N86-13881 CHOU, C. K. Effects of long-term low-level radiofrequency radiation

exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-14842 CHRIST, K. A.

A comparison of voice and keyboard data entry for a helicopter navigation system p 237 A86-29859 CHRISTENSEN, E. L.

Heat acclimatization developed during summer running in northeastern United States [AD-A162728] p 177 N86-22102 CHRISTENSEN, J. M.

A review of the psychological aspects of space flight p 179 A86-29090

CHRISTENSEN, S. K. Stochastic differential equations for neuronal behavior [AD-A159099] p 69 N86-15908 CHU. Y. Y. Operator

alertness/workload assessment usina stochastic model-based analysis of myoelectric signals [AD-A168567] p 428 N86-32973 Operator alertness/workload assessment using stochastic model-based analysis of myoelectric signals AD-A1685681 p 429 N86-32974 CHUGUNOVA, L. G.

Human body biomechanics and movements after 120-day antiorthostatic hypokinesia p 60 N86-14851 CHUKHNO F I

Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131 CHUPRINA, E. I.

The dynamics of systemic functional organization during adaptation to work in extreme environments p 254 A86-36530

CICINELLI J Selecting color codes for a computer-generated topographic map based on perception experiments and functional requirements Luminance contrast requirements for legibility of symbols on computer-generated map displays in aircraft cockpits p 237 A86-29869

Effects of adaptation and display luminance on CRT symbol recognition time p 240 A86-32315 A survey of aseptic bone negrosis in Turkish sponge

divers, interim report p 124 N86-19871 CLAASSEN, H. Physiological profile of world-class high-altitude climbers p 281 A86-39098

CLANTON, T. I. Effects of breathing pattern on inspiratory muscle ndurance in humans p 86 A86-20003 endurance in humans

CLAPP, R. Perceptual 'traps' of the visual system

p 233 A86-30360 The importance of stereoscopic imagery in flight p 383 A86-40483 simulation CLAPP, R. E.

The rastered eye - Vision in television

p 240 A86-32317 Resolution and scene detail performance of the visual system in flight simulation p 381 A86-40482 Importance of color displays in visual flight simulation p 381 A86-40484

The human dual visual systems - Their importance in simulation p 381 A86-40485 Visual display requirements for boom operator training in aerial refueling p 383 A86-40486

CLAPP, W. M. Advanced spacesuit glove design [AAS 84-175] p 186 A86-28801 Water supply for a manned Mars base [AAS 84-181] p 186 A86-28807 CLARK, B. C. Molecular and Elemental Dust Analyzer (MEDA) for the

comet rendezvous asteroid flyby mission p 299 N86-26857

CLARKE, M. M. Telerobotics for the Space Station

p 182 A86-26493 Recent advances in teleoperation - Implications for the Space Station CLAUZEL, J. S.

A case for realistic training [SAE PAPER 851915] p 264 A86-35445 CLAYBAUGH J R

Cardiorenal-endocrine responses to head-out immersion at night p 91 A86-22666 CLEMENT, T.

Effects of high altitude on neurological and pulmonary function: The effect of high altitude on visual evoked potentials in humans on Mt. Everest [AD-A168335] p 424 N86-32959

CLEMENT, W. F. Assessment of simulation fidelity using measurements of piloting technique in flight. If p 264 A86-35667 CLEMMER, T. P.

Air ambulance regulations - A model

D 405 A86-44094 CLERE, J. H.

The use of ECG changes caused by acceleration as tolerance predicition factors p 399 N86-30316 CLERE, J. M.

The choice of seat back angle to improve acceleration olerance [CEV-70-209] p 386 N86-29512

Physical training of Mirage 2000 pilots p 401 N86-30324

CLEVELAND R F Evaluating compliance with FCC Communications Commission) specified guidelines for human exposure to radiofrequency radiation [PB86-127081]

p 256 N86-25117 CLEVELAND, W. B. Assessment of simulation fidelity using measurements of piloting technique in flight. II p 264 A86-35667

CLIFFORD, P. S. Effect of head-out water immersion on response to exercise training p 396 A86-44194

Effects of simulated gravity nullification shoot-inversion release of apical dominance in Pharbitis

CLINE, M. G.

n 196 A86-30410 CLINK, J. P. Test and evaluation of the B-1B molecular sieve oxygen

generating system p 431 A86-47751 CLOHERTY, J. K. Contact lenses for pilots and aircrew in the services

p 284 N86-26815 COATES, G.

Hypoxia-induced vasopressin release and coagulopathy in a normal subject p 60 A86-18844 COATES, G. D.

Eye-scan behavior in a flight simulation task as a function of level of training p 260 A86-33794 Visual information transfer. Part 1: Assessment of specific information needs. Part 2: Parameters of appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850

COCKERHAM, L. G. Postradiation regional cerebral blood flow in primates

p 373 A86-41786 COGGAN, A. R.

Effects of detraining on cardiovascular responses to exercise - Role of blood volume p 91 A86-22665 COGOLI, A.

Gravity sensing in animal cells p 192 A86-30389 COHAT, J. P. E. A cold thyroid nodule - Statistical data and aeronautic

antitude p 112 A86-24507 COHEN. M. M.

Space Station crew safety - Human factors model p 143 A86-23742

Human factors in space station architecture 1: Space station program implications for human factors research [NASA-TM-86702] p 46 N86-13900 COHN. J. N.

Effect of head-down tilt on basal plasma norepinephrine and renin activity in humans p 11 A86-12377

Luminance and chromaticity signal processing in the human visual system p 121 N86-19852 COLES. M. G. H.

The event related brain potential as an index of information processing, cognitive activity, and skill acquisition: A program of basic research

p 43 N86-13897 [AD-A159118] COLICE. G. L.

Aldosterone response to angiotensin p 418 A86-47870 hypoxemia COLIN. J.

Sleep in an aerospace environment

p 282 A86-39775 Circadian variations of systolic time intervals

p 394 A86-44087

COLLING, A. K., JR.

Development status of regenerable solid amine CO2 control systems [SAE PAPER 851340] p 138 A86-23527

COLLINS, D. J.

The role of reabsorption in the spectral distribution of phytoplankton fluorescence emission p 50 A86-16924 COLLINS, W. E.

The effects of age, sleep deprivation, and altitude on complex performance

p 15 N86-10771 [AD-A1569871 Some effects of alcohol and simulated altitude on complex performance scores and breathanalyzer readings

[AD-A158925] p 68 N86-15905

COLPITTS, M. R.

Effects of high altitude on neurological and pulmonary function: The effect of high altitude on visual evoked potentials in humans on Mt. Everest

[AD-A168335] p 424 N86-32959

COLPITTS, Y.

Effects of high altitude on neurological and pulmonary function: The effect of high altitude on visual evoked potentials in humans on Mt. Everest

[AD-A168335] p 424 N86-32959 COMET, M.

The influence of individual factors in man on bubble formation in air diving decompression

p 125 N86-19881

COMSTOCK, J. R., JR.

The effects of simulator and aircraft motion on eye scan p 128 A86-23709 behavior Eye-scan behavior in a flight simulation task as a function of level of training p 260 A86-33794

Visual information transfer. Part 1: Assessment of specific information needs. Part 2: Parameters of appropriate instrument scanning behavior

p 21 N86-11850 [NASA-CR-176277]

CONANT, R. D., JR.

US Department of Agriculture/Corps of Engineers cooperative aquatic plant control research. Annual report for FY 1983; chemical control technology

[AD-A161867] p 212 N86-24184

CONAWAY, C.

Operator alertness/workload assessment using stochastic model-based analysis of myoelectric signals [AD-A168567] p 428 N86-32973 Operator alertness/workload assessment using stochastic model-based analysis of myoelectric signals [AD-A168568] 429 N86-32974

CONE. C. M.

Bone loss during simulated weightlessness - Is it p 197 A86-30423 glucocorticoid mediated? CONEY, J.

Dual hemispheric processing in a letter matching task p 131 A86-24325

CONNELL J. H.

Generating and generalizing models of visual objects [AD-A158197] p 43 N86-13894

CONNORS M. M.

Psychological and interpersonal adaptation to Mars

[AAS 84-186]

p 179 A86-28812 CONRAD R A Thyroid absorbed dose for people at Rongelap, Utirik

and Sife on March 1, 1954 [DE85-014695]

CONTE. E.

p 17 N86-11846

Investigation on the chirality of electrons from Sr-90-Y-90 beta-decay and their asymmetrical interactions with D- and p 243 A86-33390 L-alanines

CONTRUCCI, R. B.

Effects of head and body restraint on experimental motion-induced sickness in squirrel monkeys

p 26 A86-14314

CONVERTINO, V. A. Bedrest-induced peak VO2 reduction associated with age, gender, and aerobic capacity p 87 A86-20402 anaerobic threshold

Effect of simulated weightlessness on exercise-induced p 250 A86-33756 Cardiovascular dynamics associated with tolerance to lower body negative pressure p 253 A86-36310

Plasma viscosity elevations simulated veightlessness p 253 A86-36312

CONVEY, J. J. Passing scores for the FAA ATCS color vision test [AD-A160889] p 127 N86-19890

COOK, J. R.

Knowing what we get from training devices - Substituting a little arithmetic for a measure of emotion p 232 A86-29921

Response of rat hindlimb muscles to 12 hours recover from tail-cast suspension p 198 A86-30426

COOK, P. H.

Responses of amino acids in hindlimb muscles to recovery from hypogravity and unloading by tail-cast p 202 A86-30456 Muscle protein and glycogen responses to recovery from hypogravity and unloading by tail-cast suspension

p 202 A86-30457

COOKE, J.

Permanent distortion of positional system of Xenopus embryo by brief early perturbation in gravity p 106 A86-26180

COONEY C

Japanese Technology Evaluation Program (JTECH): Biotechnology Panel [PB86-109386] p 161 N86-22092

COOPER, C. L.

The impact of life events on pilots - An extension of Alkov's approach p 18 A86-10260

COOPER, D. W.

Expedient methods of respiratory protection. Submicron particle tests and summary of quality factors [TI85-018278] p 94 N86-17983 p 94 N86-17983

COOPER, L. N.

Cortical plasticity: Theoretical analysis, experimental results [AD-A157965] p 38 N86-12961

Local and global factors in learning

p 136 N86-19904 [AD-A161128]

COPENHAVER, D. J.

In vitro comparison of zinc phosphate and class ionomers ability to inhibit decalcification under and adjacent to orthodontic bands [AD-A160881] n 127 N86-19889

CORBE, C.

Sensitivity to color contrasts and the selection of p 400 N86-30318 navigator personnel

CORBETT, R. The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina

p 50 A86-17679 Reduction of the spermatogonial population in rat testes flown on Space Lab-3 p 203 A86-30466

CORCORAN, M. L.

NASA Workshop on Animal Gravity-Sensing Systems [NASA-TM-88249] p 417 N86-32950

CORKER, K.

Human operator control of a bilateral teleoperator in part-simulation of zero gravity p 143 A86-23736 Recent advancements in telepresence technology p 269 A86-34959 development Force/torque display for space teleoperation control experiments and evaluation p 440 N86-33002

CORMIER, M. J.

Role of Ca(2+)/calmodulin in phosphorylation of roteins in plants p 158 N86-21099 DE86-0018041

CORRALES, J.

Growth and development of mice and rats conceived and reared at different G-intensities during chronic p 195 A86-30403 centrifugation

CORSO, G. M.

The effects of redundancy, target density and practice on a complex visual search task p 142 A86-23712 Use of a signal detection paradigm to assess subjective intersection points in a target location task p 129 A86-23720

COSIMINI, H. M.

Effectiveness of an air-cooled vest using selected air temperature and humidity combinations p 242 N86-24219 [AD-A162026]

COSTILL, D. L.

Muscle metabolism during exercise in the heat in unacclimatized and acclimatized humans p 36 A86-16051

COTE. J.

Enhanced metabolic response to caffeine p 7 A86-10106 exercise-trained human subjects COTMAN, C. W.

Multidisciplinary studies on excitatory amino acids as transmitters in the brain [AD-A164258] p 256 N86-25115 COURTICE, A. J.

Future directions for cost effective Air Force aircrew training - Managed technology and the training system p 262 A86-33830

COURTNEY, A. J.

Visual lobe area for single targets on a competing homogeneous background p 234 A86-31821 COYLE, E. F.

Effects of detraining on cardiovascular responses to exercise - Role of blood volume p 91 A86-22665 COYNE, L. M.

A possible energetic role of mineral surfaces in chemical evolution

p 48 A86-14114 Clay energetics in chemical evolution p 301 N86-26867

CRABTREE, M. S.

The effect of intervening task performance on subjective workload ratings p 144 A86-23746 Workload assessment techniques in system redesign

p 184 A86-28434 Methods and systems for measuring performance capabilities p 267 A86-33786 Workload measurement in system design and evaluation p 267 A86-33787 CRAIG, J. P.

Immunomodulation by proteins of bordetella pertussis [AD-A160078] p 107 N86-18953

CRAMPES, F. Effect of physical training in humans on the response

p 418 A86-47868 of isolated fat cells to epinephrine CRANE, C. R. Inhalation toxicology. 5: Evaluation of relative toxicity

to rats of thermal decomposition products from two aircraft at fire-blocking materials p 277 N86-27866 [AD-A1650341

Inhalation toxicology. Part 6: Evaluation of the relative toxicity of thermal decomposition products from 9 aircraft panel materials p 424 N86-32958

CRAWFORD, D. P.

Magnetic separation device AD-D012163] p 249 N86-25975

CRAWFORD, D. W. Measurement and prediction of flow through a replica

segment of a mildly atherosclerotic coronary artery of p 374 A86-43440 CRIBORN, C. O.

Biological effects of millimeter waves on the mouse [FOA-C-50023-H1] p 83 N86-16879 p 83 N86-16879 CRITES, C. D.

A review of pilot workload measurement techniques used on the A-10 single seat night attack test program p 146 A86-26016

(SAE PAPER 841492) CRITTENDEN, D. J.

Protein concentration elevations in lungs of mice following sudden, transient cephalad (+Gz) acceleration p 199 A86-30437

CROCQ, L.

Psychological selection of personnel for employment in the Antartic p 235 N86-23278

[DRIC-T-74491 CROFTON, K. M.

Using Ashford's general model to aid in the understanding of a pesticide's neurotoxic effect through

pesticide-drug mixture experiments [PB86-130028] p 226 N86-24211

CRONE, H. D.

A lightweight impermeable suit for chemical protection in warm conditions: A preliminary look at the concer [AD-A164687] p 295 N86-26839

CRONIN, J. R.

Amino acids of the Murchison meteorite. II - Five carbon acyclic primary beta-, gamma-, and delta-amino alkanoic p 77 A86-19126

CROSBIE, R. J.

Servo operated anti-G suit pressurization system [AD-D011932] p 147 N86p 147 N86-18988

CROSS, K. D.

Human factors research in aircrew performance and training [AD-A167740] p 427 N86-32967

CROWLEY, J.

Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary

[AD-A159512] CRUMLEY, L. M.

Human factors engineering design criteria for future systems. Design criteria evolving from the Fire Support Team Vehicle (FIST-V) operational test 2

p 74 N86-14897 [AD-A158312] Human factors engineering design criteria for future systems. Report number 3: Design criteria evolving from the Multiple Multiple Rocket System (MLRS) operational

test 3 [AD-A158316]

p 76 N86-15916

p 53 N86-14842

CUELLAR, M. D.

Plant growth responses to atmosphere and other environmental variables in the Space Shuttle Plant Growth Unit p 196 A86-30415

CULBERTSON, C. W. Aspects of the biogeochemistry of Big Soda Lake,

p.51 A86-18031 CULP. V.

Voice and manual control in dual task situations

p 262 A86-33826 The effects of voice and manual control mode on dual task performance p 438 N86-32987 CUMMINGS, R. D.

Design and production of damage-resistant tray pack

[AD-A164595] p 294 N86-26837

CURD. D. I

The effect of impulse intensity and the number of impulses on hearing and cochlear pathology in the chinchilla [AD-A161230] p 109 N86-19827

A chinchilla restraint system

[AD-A167408] p 416 N86-32084

CURRALADAS, M. P.

Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers p 122 N86-19863

CURRAN D Q

Decluttering methods for high density computer-generated graphic displays p 267 A86-33790

CURRERI, L. V.

Formula for a better understanding of pilot erformance p 230 A86-29900 CURRY, D. G.

Target designation by speech, joystick, and touch control - Format design implications p 184 A86-28439 CURTIS, G. S.

systems Managing computer development: Understanding the human and technological impo [AD-A158976] p 76 N86-15917 CURTSINGER, J. M.

Sequence polymorphism of HLA-DR beta 1 alleles relating to T cell-recognized determinants

[AD-A160237] p 107 N86-18956 DNA and protein studies of HLA class 2 molecules: Their relationship to T cell recognition

D 116 N86-18968 CUSICK, R. J.

Development status of regenerable solid amine CO2 control systems [SAE PAPER 851340]

p 138 A86-23527 Initial development and performance evaluation of a process for formation of dense carbon by pyrolysis of

[SAE PAPER 851342] p 138 A86-23529 Performance and endurance testing of a prototype carbon dioxide and humidity control system for Space Shuttle extended mission capability

[SAE PAPER 851374] p 140 A86-23557 CYMERMAN, A.

Hemodynamic responses to upright tilt at sea level and [AD-A1635551

p 59 A86-18836 The effect of spironolactone on the cardiocirculatory responses to upright tilt at sea level and at simulated high مار رازاره

[AD-A157734] p 39 N86-13887 Respiratory response and muscle function during sometric handgrip exercise at high altitude

[AD-A162003] p 223 N86-24198 An environmentally-controlled extended-use small

animal hypobaric chamber p 398 N86-30307

Predictors of periodic breathing at altitude [AD-A167947] p 424 N86-32957

Effect of dexamethasone on symptoms of acute mountain sickness at Pikes Peak, Colorado (4300m) [AD-A168662] p 425 N86-32963

D

Human hemodynamic change under high atmospheric pressure DAGUENET, A

The C23A system, an example of quantitative control of plant growth associated with a data base [SAE PAPER 851395] p 104 A86-23572

The C23A system, an exmaple of quantitative control of plant growth associated with a data base

p 148 N86-19911

DAHL, C. A.

Sequence polymorphism of HLA-DR beta 1 alleles relating to T cell-recognized determinants [AD-A160237]

p 107 N86-18956 DNA and protein studies of HLA class 2 molecules: Their relationship to T cell recognition

[AD-A160704] p 116 N86-18988

The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 DAHLBAECK, G. O.

The effects of the insulation properties of different dry suit systems on the diver's heat balance and comfort during diving to 50 m p 121 N86-19856 Lung volumes and dynamic compliance during namersion and oxygen breathing p 122 N86-19860

immersion and oxygen breathing DAHLHAUSEN, M. J. Environmental control/life support system for Space Station p 407 A86-45692

DAHLMAN, S.

Anthropometry research program [FOA-C-50032-H2] p 386 N86-29511 DALE, H. C. A.

Micropat - A progress report on the validation of an automated test battery for pilot selection

p 231 A86-29911 DALEY, M. W

An investigation into peer and supervisor differences in the observation of performance-related behaviors [AD-A1608191 p 135 N86-19898

DALIGCON, B. C. Increased gluconeogenesis in rats exposed to hyper-G stress p 52 A86-18397 Increased gluconeogenesis in rats exposed to hyper-G etroce p 103 A86-23311

DALLAKYAN, I. G. Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846

DAMICO A D A simulation study of the effects of sleep deprivation, time of watch and length of time on watch on watchstanding

effectiveness [AD-A1677291 p 424 N86-32956

DAMOS, D.

The effect of using speech generation and recognition systems on the performance of discrete tasks

p 227 A86-29863 The relation between the Type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions

p 234 A86-31822 DAMOS, D. L. The effect of asymmetric transfer on dual-task assessment of voice technology p 141 A86-23702

Subjective workload and individual differences in nformation processing abilities [SAE PAPER 841491] p 132 A86-26011

DANCEWICZ, A. M.

Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894 DANDREA, J. A.

Behavioral effects of microwave radiation absorption [PB86-113735] p 222 N86-23275 DANIELS, W. L.

Physiological effects of training [AD-A157417]

p 16 N86-11841 DANKO S G

Complex approach to the study of adaptive systemic reactions and functional states in man. I - The time factor in the formation of subcomplexes of systemic physiological indexes of functional state dynamics, and the instrumentation used in the study p 216 A86-30893 DARDANO, J. R.

Immunological analyses of U.S. Space crewmembers p 162 A86-29091 DARISTOTLE, L.

Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682

DARK, S. J. Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983

[AD-A162209] p 224 N86-24201

DARTSMELIIA, V. A.

Typological analysis of central and peripheral hemodynamics during orthostasis in normal subjects and in patients with arterial hypertonia p 33 A86-15515

DASGUPTA, B. R. Study of toxic and antigenic structures of botulinum

neurotoxins [AD-A156642] p 29 N86-13880

DASHKOVSKII, A. I.

Synchronization of heart contractions and respiration during thermoregulatory polypnea in dogs

p 245 A86-34490

DAUWALDER, M.

Immunocytochemical localization of calmodulin in pea root caps and plumules and its relevance to hypoth D 197 A86-30419

DAVIDENKO, A. V.

The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 DAVIES D.G. Effect of hypocapnia on ventral medullary blood flow

and pH during hypoxia in cats p 413 A86-47869 DAVIES R. F. No valid evidence exists for interstellar proteins, bacteria,

p 296 A86-38143 DAVIS, G. L.

Physiological changes in hemostasis associated with acute exercise D 215 A86-30680 DAVIS H M

Effects of raised body temperature on reasoning memory, and mood DAVIS, J. A. p 86 A86-20002

Lactate, pyruvate, and lactate-to-pyruvate ratio during exercise and recovery p8 A86-10110

Effects of clinostat rotation on Aurelia statolith synthe p 199 A86-30436

Ecto-protein kinase activity on the external surface of neural cells p 207 A86-31650 DAVYDOV, B. I.

Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270

DAVYDOVA, N. A. Functional activity of human serotoninergic and histaminergic systems during long-term antiorthostatic hypokinesia p 60 N86-14852

Investigation of catecholamine metabolism at high altitudes D 66 N86-15880 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 DAYN, A. A.

Cloning and expression of leptospira pomona hemolysin gene in escherichia coli p 211 N86-23249 DE BAGHEERA, I. J.

Judgment training effectiveness and permanency

p 228 A86-29888 DE GROOT, S.

Human Factors Society, Annual Meeting, 28th, San Antonio, TX, October 22-26, 1984, Proceedings. Volumes 1 & 2 p 141 A86-23701 DE LOORE, C.

On the occurrence and appearance of galactic life forms A thermodynamic approach p 297 A86-38150 DE MAIO, J.

Evaluation of helmet display formats

p 184 A86-28440 Perception of altitude in the low and medium altitude DEAMER. D.

Proceedings: Protons and Membrane Reactions held at Santa Barbara, California on 28 January - 1 February 1985 [AD-A1613311

p 159 N86-22082 DEAMER, D. W.

Boundary structures are formed by organic components of the Murchison carbonaceous chondrite

D 76 A86-16417 DEAN. R. G. Ultrasensitive detection of chemical substances

[AD-A159996] p 108 N86-19825 DEASON, G. A.

Design guidelines for carbon dioxide scrubbers, revision

[AD-A1601811 p 147 N86-18989 DEBELLIS, W. B.

Anthropometric considerations for a 4-axis side-arm flight controller p 439 N86-32993 DEBOV, S. S.

Search for DNA host specificity systems in salmonella p 210 N86-23247 DEBRUNNER, K. E.

Aspects of operator interface design for an automatic tracking antenna controller p 43 A86-13223

DEFREES, D.

Interstellar isomers p 298 N86-26848 DEFRUITER, D.

Speech compression as a potential aid to automated oice warnings in the cockpit p 185 A86-28445 DEGTYARENKO, V. I.

Fab-fragment of heterologic immunoglobulin for flu prophylaxis and treatment p 219 N86-23241 DEHART R M

Human factors problems in the tactical air command p 396 A86-44778 Medical selection and physiological training of fighter

pilots: A 1985 perspective and overview p 399 N86-30312

Cardiovascular standards for selection and retention of	DENISOVA, L. A.	DIANAT, S.
high performance pilots in the USAF: Perspectives for the	Comparative analysis of hypo - and hyper-gravity effects	Speech analysis based on a model of the auditory
next decade p 399 N86-30313	on prenatal development of mammals	system
DEHNER, G. F.	p 191 A86-30377	[AD-A167426] p 427 N86-32098
Thermoelectric integration membrane evaporation	DENNIS, R. C.	DIBLASIO, G.
subsystem water recovery - Technology update	Influence of erythrocythemia on blood volume and	Reduction of subjective redundancy in image signals:
[SAE PAPER 851348] p 139 A86-23534	thermoregulation during exercise-heat stress	Results obtained and research trends
DEIS, B. C. Drop foot corrective device	[AD-A165014] p 289 N86-27916	[FUB-24-1984] p 64 N86-14884
[NASA-CASE-LAR-12259-2] p 188 N86-22112	DERIAPA, N. R.	DICKERSON, L. Protective respirator for the AAH-64 Advanced Attack
DELAHAYE, R. P.	Problems in medical biorhythmology p 206 A86-31371	Helicopter p 97 A86-19336
The vertebral column: Selection and aptitude of combat	DERRICK, W. L.	DIDIER, A.
aircraft pilots of the future p 400 N86-30322	An empirical demonstration of multiple resources	Selection and medical testing of Mirage 2000 pilots:
DELATTRE, J. P.	p 141 A86-23703	Report of echocardiography p 399 N86-30314
Physical training of Mirage 2000 pilots	The dissociation between subjective and	DIDIER, A. G.
p 401 N86-30324 <b>DELIHAS. N.</b>	performance-based measures of operator workload	Ischemic cardiopathology in pilots - The risk, the
Phylogenetic origins of the plant mitochondrion based	p 178 A86-28450	methods of detection and prevention p 113 A86-24511
on a comparative analysis of 5S ribosomal RNA	Workload assessment - Progress during the last	DIEHL, A. E.
sequences p 2 A86-12002	decade	Private pilot judgment training in flight school settings
DELLINGER, J.	[SAE PAPER 851877] p 270 A86-35440	- A demonstration project p 228 A86-29890
The Sternberg memory search task as an index of pilot	DES MARAIS, D.	DIKSHIT, M. B.
workload p 227 A86-29883	Carbon isotopic fractionation in heterotrophic microbial metabolism p 371 A86-40669	Medical evaluation of cosmonauts - Physiological stress
DELLINGER, J. A.	·	testing p 11 A86-12427
Comparison of the effects of atropine sulfate and ethanol	DESHMUKH, S. P.  Medical evaluation of cosmonauts - Assessment of	Effect of exposure to heat, hypoxia, cold, acceleration, and vibration stress on the total blood sulfhydryl groups
on performance p 232 A86-29923	vestibular system p 11 A86-12429	in human subjects p 33 A86-14319
Antiemetic drugs and pilot performance	DESIMONE, D. N.	Orthostatic tolerance of normal Indians and those with
[AD-A162109] p 224 N86-24200	U.S. Navy ALSS corporate report 1984	suspected abnormal cardiovascular reflex status
DELLUVA, A. M.  No valid evidence exists for interstellar proteins, bacteria,	p 96 A86-19309	p 114 A86-25661
etc p 296 A86-38143	DESMARAIS, D.	Systolic time intervals in pilots and non-pilots during 70
DELMORAL, C.	Carbon exchange between the mantle and the crust	deg head-up tilt p 250 A86-33757
Protein concentration elevations in lungs of mice	and its effect upon the atmosphere: Today compared to	Some aspects of yogic exercises during space flight
following sudden, transient cephalad (+Gz) acceleration	Archean time p 304 N86-26882	p 263 A86-35289
p 199 A86-30437	DESMARAIS, D. J.	DILLAMAN, R. M.
DELUCA, H. F.	Organic S13C values vary slightly with salinity in	Correlated light and electron microscopy of the
A maternal defect is responsible for growth failure in	microbial mats at Guerrero Negro, Baja California Sur,	vasculature of cortical bone in rat femora and tibiae p 193 A86-30395
vitamin D-deficient rat pups p 52 A86-18398	Mexico: Implications for stromatolite S13C values p 308 N86-26900	DINARELLO, C. A.
Vitamin D-deficient rats produce reduced quantities of	DESMARIS. G.	Metabolic changes following eccentric exercise in
a nutritionally adequate milk p 52 A86-18399	Clinical and psychological surveillance of student pilots	trained and untrained men
1,25-dihydroxyvitamin D3 normalizes maternal food	at the beginning of training p 111 A86-24501	[AD-A166521] p 402 N86-31211
consumption and pup growth in rats p 52 A86-18400	DESOLA-ALA, J.	DIRNAGL, K.
Regulation of bone mineral loss during lactation	Explaining the unexplained dysbaric sport diving	What in human biometeorology can contribute to
p 82 A86-22713	accidents p 123 N86-19864	assessment of the effects of hazardous substances on
DELUCA, J. P.	Less bubble formation in women divers	health? p 168 N86-21043
Heat acclimatization developed during summer running	p 126 N86-19883	DIVEKAR, H. M.
in northeastern United States	DETRO, S. D.  Subjective assessment of pilot workload in the advanced	Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute
[AD-A162728] p 177 N86-22102	fighter cockpit pilot workload in the advanced	hypobaric hypoxia p 246 A86-35863
DEMAIO, J. Pilot-oriented performance measurement	DETTBARN, W. D.	DIVERT, G. M.
[AD-A158849] p 40 N86-13890	Weightlessness simulation: Physiological changes in fast	The mechanisms of muscle activity regulation in humans
DEMASI, J. N.	and slow muscle	depending on biorhythm type p 254 A86-36528
The role of flight simulation in helicopter crew station	[NASA-CR-176945] p 380 N86-29498	DIVOCHA, V. A.
design	DETTBARN, WD.	Fab-fragment of heterologic immunoglobulin for flu
[SAE PAPER 851900] p 272 A86-36940	Changes in skeletal muscle properties following hindlimb	prophylaxis and treatment p 219 N86-23241
DEMBER. W. N.	suspension p 198 A86-30428	DIXON, G. A.
Information processing in vigilance performance -	DEVIATKOV, N. D.	Decompression sickness and intravenous bubble formation using a 7.8 psi simulated pressure-suit
Complexity revisited p 259 A86-33778	Prospects for using millimeter-band electromagnetic radiation as an efficient way of obtaining information on	environment p 85 A86-19347
DEMCHENKO, I. T.	specific processes in living organisms	Minimum pressure for a zero-prebreathe pressure suit
Circulation and oxygen tension in the brain of wakeful	p 246 A86-35088	[SAE PAPER 851315] p 137 A86-23505
rabbits in conditions leading to motion sickness	DEVINCENZI, D. L.	Design of a portable, collapsible hyperbaric chamber
p 373 A86-43422	Exobiology experiments for space station	p 430 A86-47732
DEMCHENKO, Y. A.	p 243 A86-30453	Evaluation of 9.5 PSIA as a suit pressure for prolonged
Toxicological evaluation of gas emission from	Publications of the exobiology program for 1984: A	extravehicular activity p 417 A86-47741
heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131	special bibliography	The relationship of intravascular bubbles to bends at altitude p 418 A86-47765
DEMIN, A. N.	[NASA-TM-88382] p 189 N86-21150	altitude p 418 A86-47765 DIXON, G. F.
Typological analysis of central and peripheral	Second Symposium on Chemical Evolution and the Origin of Life	
hemodynamics during orthostasis in normal subjects and	[NASA-CP-2425] p 297 N86-26844	Effects of breathing pattern on inspiratory muscle endurance in humans p 86 A86-20003
in patients with arterial hypertonia p 33 A86-15515	Exobiology experiment concepts for space station	DIXON, R. S.
DEMIN. N. N.	p 310 N86-27152	A decade of SETI observations p 308 N86-26905
Proteins and RNA in the neuron-neuroglia system of	DEVINE, J. A.	DLUSSKAYA. I. G.
n. raphe dorsalis neurons of the ground squirrel brain during	An environmentally-controlled extended-use small	Distinctions in reactions to active orthostatic and
hibernation p 26 A86-14593	animal hypobaric chamber	water-loading tests of subjects differing in tolerance to
DEMPSEY, J. A.	[AD-A166729] p 398 N86-30307	positive Gz accelerations p 173 N86-21118
Effects of exercise in normoxia and acute hypoxia on	DEVRIES, G.	DMITRIYEVA, N. F.
respiratory muscle metabolites p 246 A86-36223	Driving performance the day after use of loprazolam,	Study of cell-wall antigen determinants in ribosomal
Pulmonary adaptation to high altitude	flunitrazepem and placebo [VK-83-04] p 290 N86-26826	preparations of group a streptococcus
[AD-A157694] p 62 N86-14873	Flurazepam HCL's residual (hangover) effects upon	p 220 N86-23243
DENBRINKER, A. C.	actual driving performance	DOBELIS, M. A.
Implementation of models for the transient division	[VK-83-02] p 291 N86-26834	Effect of weightlessness and some of its models on
system of spatio-temporal visual perception [ETN-86-97533] p 425 N86-32965	DEVYATKO, A. V.	mechanical properties of animal bones submitted to
	Energy exchange of plants under weightlessness	torsion p 173 N86-21123
A model of the transient part of the spatio-temporal perception, containing a two-dimensional long fiber	conditions p 30 N86-14162	DOBRAKOVOVA, M.
[ETN-86-97540] p 426 N86-32966	DI LOLLO, V.	Catecholamine content of single brain nuclei in August
DENO V O	Suppression of visible persistence in apparent motion	rats following immobilization stress p 3 A86-12521

DOBRINA, S. K.

Changes in immunity under stress

analysis of command and control [STC-TM-749]

DOCKERY, J. T.
Use of artificial intelligence and psychology in the

p 420 A86-49267

p 427 N86-32095

p 133 A86-26298

p 281 A86-39098

Physiological profile of world-class high-altitude

Mathematical models of the effect of gravitation on lung unctions p 111 A86-24135

DI PRAMPERO, P. E.

DIACHENKO, A. I.

climbers

functions

DENG, Y. C.

dynamic loading

Human head/neck/upper-torso model response to dynamic loading p 221 N86-23266

The effects of prostaglandin E2 in growing rats -Increased metaphyseal hard tissue and cortico-endosteal bone formation p 375 A86-43450

DOERR, H. G.

Serum levels of eleven steroid hormones following p 8 A86-10259 motion sickness DOFRSCHUK, P. C.

Modeling electrocardiograms using interacting Markov p 178 N86-22105

[AD-A162758] DOI. K.

MTF's and Wiener spectra of radiographic screen-film systems. Volume 2: (Including speeds of screens, films and screen-film systems)

[PB86-184934] p 380 N86-29501

DOI. N.

Investigation of Eustachianal function in JASDF pilots by new apparatus. I - On the pressural regulation of the ustachian tube in normal human p 32 A86-13941

DOLBEARE, F. A. Improved monoclonal antibodies to halodeoxyuridine

[DE85-017764] p 92 N86-16891 DOLL. T. J.

Auditory signals in military aircraft - Ergonomic principles p 185 A86-28442 versus practice

DOMAKHINA, G. M.

The mechanisms of muscle activity regulation in humans depending on biorhythm type p 254 A86-36528 DONCHIN, E.

The event related brain potential as an index of information processing, cognitive activity, and skill acquisition: A program of basic research

[AD-A159118] p 43 N86-13897 DONIACH, S.

Small X-ray diffraction of immunoglobulin-membrane complexes

[AD-A158252] p 29 N86-13882

DONINA 7 A

Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure

p.5 N86-10760 DONOGHUE, J. P.

Peripheral nerve injury in developing rats reorganizes motor cortex

AD-A1680191 p 417 N86-32952 DÓNOVAN, K.

Otoconial morphology in space-flown rats p 204 A86-30470

DORAN, D. R.

Elevations of plasma endotoxin levels and lysosomal enzyme activities in divers during a simulated chamber dive to 300 msw p 123 N86-19866 DORNES, R. G.

A small oxygen concentrator

[AD-A163145] p 273 N86-25993

DOROFEEV, G. I.

Ergometric examination of the cardiovascular system in flight personnel p 421 A86-49370 DOROSHEV, V. G.

Experimental and general theoretical research: Nature of circulatory regulation in pilots p 285 N86-27880 DORROUGH, D. C.

Evolutionary paths for artificial intelligence technologies in operator interactions with space station robots p 269 A86-34971

DOTY, S. B.

Localization of calcium stimulated adenosine triphosphatase activity in blood vessels of the skeleton p 197 A86-30424

Morphologic and histochemical studies of bone cells from SL-3 rats p 205 A86-30473 DOUCET, F. P.

A cold thyroid nodule - Statistical data and aeronautical aptitude p 112 A86-24507 DOUGUET, D.

Time course of muscular blood metabolites during forearm rhythmic exercise in hypoxia p 252 A86-36222

DOUVILLE, D. R.

A study of the flight environment component of aircrew fatigue in student navigators [AD-A160796] p 117 N86-18973

DOYLE, R. J. Hypothesizing and refining causal models

[AD-A158165] p 43 N86-13893 DRAEGER, J.

Particular problems of airworthiness ophthalmological view p 283 from p 283 N86-26812 New glasses for presbyopic pilots

p 283 N86-26814 DRAGANIC, I. G.

Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740

DRAGANIC, Z. D.

Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003

Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nucle

n 77 A86-17740 DRAGOMIRESCU, E.

Hypokinezia and space flight reflected on rats p 200 A86-30442 DRAKE J

Effects of breathing pattern on inspiratory muscle endurance in humans p 86 A86-20003 DRAPER, G. D.

Platelet-endothelial function in relation to environmental temperature

[AD-A160744] p 116 N86-18970 DRAPER, J. V.

Human-machine interface in mobile teleoperators [DE85-013639] p 75 N86-14900

Human-machine interfaces for teleoperators: An overview of research and development at the Oak Ridge National Laboratory. Consolidated Fuel Reprocessing

[DE85-017713] p 100 N86-17990 Human factors activities in teleoperator development at the Oak Ridge National Laboratory [DE86-005160]

p 408 N86-30340 DRESEL, K. M.

Speech compression as a potential aid to automated voice warnings in the cockpit p 185 A86-28445 DRIVER, G. E.

Evaluation of water sterilizing tablets

-A1658061 p 385 N86-28622 DROBYSHEVSKAYA, E. I.

Obtaining hybridomas that synthesize monoclonal antibodies to polysaccharide of group a streptococcus p 219 N86-23240

DROLET, L. L.

Prediction modeling of physiological responses and human performance in the heat p 115 N86-18965

Perceptual and physiological responses during exercise in cool and cold water [AD-A165491] p 283 N86-26800

DRONDINA A N.

surface lipids

Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 DRONIOU, J.

Complete right branch blocking and the flight fitne of pilots p 31 A86-13567 Flight fitness and a past myocardial infarction

p 281 A86-39772 DROZDOVA, T. Y.

Blood serum enzymes during 7-day water immersion p 287 N86-27902

DRUGOVA, N. A.

Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882

DRUMM, D. M. A graphic anthropometric aid for seating and workplace design

[AD-A156988] p 23 N86-10788

DUBININ, D. M. Gas chromatographic analysis of free fatty acids of skin

Evaluation of condition of human skin in a closed environment by means of chromatography p 174 N86-21130

p 67 N86-15891

p 52 A86-18744

DUBINSKAYA, Y. 1.

Metabolic distinctions of human red blood during

long-term spaceflights p 60 N86-14850 DUBOIS, D. C.

Are there conditions in which adrenalectomy impedes the atrophying effects of denervation? p 194 A86-30397

DUBOSE, D. A.

Correlation between plasma fibronectin level and experimental rat heat stress mortality

[AD-A1609431 p 1 A86-10101 DUBOUIS-BONNEFOND, J. C.

Mourning and traumatic neuroses - Clinical aspects and aeronautical incidents for one helicopter pilot

p 40 A86-13569

DUBUR, G. IA geroprotective activity of 2.6-dimethyl 3,5-diethoxycarbonyl 1,4-dihydropyridine

p 49 A86-16783 DUBUR, G. IA.

Antioxidants as antiarrhythmic remedies p 246 A86-35938

DUCLOUX, H. Wheat response to CO2 enrichment: CO2 exchanges transpiration and mineral uptakes p 152 N86-19932

DUDKIN, K. N. Visual perception and memory: Information processe and neuron mechanisms

DUFOUR P A

Second Symposium on Chemical Evolution and the Origin of Life [NASA-CP-2425] p 297 N86-26844

DUGGAN, A. An evaluation of tests of anaerobic power

[AD-A162826] p 224 N86-24203 DUGUET. M.

Positively supercoiled DNA in a virus-like particle of an archaebacterium p 372 A86-40879

Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400

Microprobe analysis of epiphyseal plates from Spacelab 3 rats p 204 A86-30469

DUKESHERER, D. R.

Protein concentration elevations in lungs of mice following sudden, transient cephalad (+Gz) acceleration p 199 A86-30437

DUNAYEV. V. I.

Farm animals as source of yersiniosis

p 217 N86-23230 DUNCAN, J. H.

Binocular image flows: Steps toward stereo - motion [AD-A158089]

p 67 N86-15901 DUNIVIN K O

Behavioral considerations for space station design [AD-A163478] p 265 N86-25118

DUNLAP, W. P. Automated Portable Test System (APTS) - A performance envelope assessment tool [SAE PAPER 851775] p

p 263 A86-35427 DUNLOP, E. H.

Design concepts for bioreactors in space

p 151 N86-19926

DUNN, C. D. R. Regulation of hematopoiesis in rats exposed to antiorthostatic hypokinetic/hypodynamia. II - Mechanisms p 80 A86-20404

Hematologic parameters of astrorats flown on SL-3 p 202 A86-30458

DUPUIS, H. Report on the research activities on whole-body vibratione Human strain due to mechanical vibrations

[ISBN-3-88383-107-7] p 15 N86-10773 DURANTE, W.

The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure p 395 A86-44091

DURGIN, W. W.

The WPI space glove design project

p 383 A86-40522 DURINIAN, R. A.

Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071

Effect of nerve block on response of forearm blood flow to local temperature p 418 A86-47873 DURKOT, M. J.

Simultaneous determination of fluid shifts during thermal stress in a small animal model

[AD-A159363] p 83 N86-16877 DUROSE, C. G. Knowing what we get from training devices - Substituting

a little arithmetic for a measure of emotion p 232 A86-29921

DUTCHER, F. R. Summaries of 1984-85 NASA space-gravitational biology accomplishments

[NASA-TM-88379] p 107 N86-18950 DUTKIEWICZ, T. The absorption of benzene through human skin

[AD-A161157] p 127 N86-19894 DUTTON, B. Simulator sickness - Incidence of simulator aftereffects in Navy flight trainers DVIGANTSEV, S. p 85 A86-19346

Voice analyzer for evaluating pilot's condition

p 64 N86-14886

DVORETSKAIA, T. P.

Antistress effect of 1-chlormethylsilitrane p 105 A86-24309 The contractile function and the energy metabolism of the myocardium under emotional stress and during adaptation of animals to short stress effects

p 392 A86-45322

DWOREZKI, F.

Age-related changes in electroencephalograms of p 62 N86-14867 DYACHENKO, M. B.

Reproductive capacity of microflora on polymers used in sealed environments p 280 N86-27897

p 181 N86-21143

p 69 N86-15909

DYAKONOV, A. S.

Rat brain impedance in stationary magnetic field p 174 N86-21128

DZANTIYEV. B. B.

Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus

p 220 N86-23243

## F

EARL, W. K.

Human factors engineering design criteria for future systems. Design criteria evolving from the Fire Support Team Vehicle (FIST-V) operational test 2

[AD-A158312] p 74 N86-14897 Human factors engineering design criteria for future systems. Report number 3: Design criteria evolving from the Multiple Multiple Rocket System (MLRS) operational test 3

(AD-A158316) FAVES D M

p 76 N86-15916

Naloxone enhances motion sickness - Endorphins p 395 A86-44088 EBARA, K.

Water recycling system using thermopervaporation p 150 N86-19921

EBERHARD, K. Immission and weather effects on children's airway

illnesses in Berlin (1979-1982): Methodology and result p 168 N86-21040 Immission and weather effects on children's airway troubles in Berlin (1979-1982). Time series investigations: Croup syndrome and asthmatic airway troubles

p 168 N86-21044 Emmission and weather effects on children's airway troubles in Berlin (1979-1982). Comparison of two different immissions: Loaded residential areas in West Berlin polluted areas p 168 N86-21045 EBERT, T. J.

The use of thoracic impedance for determining thoracic blood volume changes in man n 87 A86-20406 EBERTS R F

There's a voice in the sky - But can a picture tell you p 266 A86-33781 ECKBERG, D. L.

Quantitative evaluation of human arterial baroreceptor

[IAF PAPER 85-317] p 36 A86-15827 Device for rapid quantification of human carotid baroreceptor-cardiac reflex responses

p 162 A86-28125

ECKMILLER, R.

Long-term adaptation of the otolith organs p 389 N86-29526

EDFL P Evaluation of the use of hydrogen-oxygen as a breathing

gas in deep-sea diving [AD-A1657971 p 380 N86-29499 EDELMAN, B.

Effect of spironolactone on acute mountain sickness

p 377 A86-41781 EDEN, J. G. Infrared

optical measurement of blood gas concentrations and fiber optic catheter [AD-D011836] p 37 N86-12955 EDWARDS, E.

Human factors in aviation. III - Some comtemporary p 44 A86-13263 EDWARDS, J. M.

System development and evaluation technology: State of the art of manned system measurement [AD-A160418] p 134

p 134 N86-18983 EDWARDS, K. L

Effect of calmodulin and auxin transport inhibitors on calcium net uptake along apical corn roots

p 196 A86-30412

EDWARDS, P. R.

Servo operated anti-G suit pressurization system [AD-D011932] p 147 N86-18988

Enhancement of Pseudomonas aeruginosa virulence by hyperbaric atmosphere conditions p 122 N86-19858

The effect of high temperature on the heat exchange and the nutritional status of pilots p 397 A86-45325 EGGEMAN, G. W.

Improved flexibility of an EVA glove

p 433 A86-48713

EGGEMEIER, F. T. The effect of intervening task performance on subjective

workload ratings p 144 A86-23746 Methods and systems for measuring human performance capabilities p 267 A86-33786 Workload measurement in system design and evaluation p 267 A86-33787

EGGLESTON, R. G.

A technology forecasting and assessment method for evaluating system utility and operator workload

p 142 A86-23704

EGLINTON, G. Archaebacterial lipids in hot-spring microbial mats

p 80 A86-21587 EGNOR, R.

Microgravity changes in heart structure and cyclic-AMP metabolism p 203 A86-30465 EGOROV. A. D.

Periodisation and classification of adaptive reactions of man in prolonged space flights

[IAF PAPER 84-185] p 10 A86-12363

EGOROV, I. A.

Simulation of thermal polycondensation processes of amino acids during the migration of their aqueous solutions in the earth's lithosphere D 274 A86-34489

EHRENSTEIN, W. H.

Neurophysiological activity and psychophysical effectiveness of environmental factors

p 164 N86-21013

Multiparameter data acquisition systems for studies of Circadian rhythms

[DE86-004041] p 398 N86-30308

EHRLICH, H. L.

manganese-oxidizing Mesophilic hydrothermal discharge areas at 21 deg North on the East Pacific Risa p 51 A86-18032

EHRLICH, S.

Visual accommodation and virtual image displays Target detection and recognition p 406 A86-45015 EHRLICH, Y. H.

Ecto-protein kinase activity on the external surface of neural cells p 207 A86-31650

EIKEN. O. Effects of gravity on the fluid balance and distribution in man p 214 A86-30383

An attempt to counteract nitrogen narcosis by naloxone administration p 123 N86-19865

EILBART, V. L.

Seasonal and circadian rhythms in androgen excretion in the extremely continental climate of Trans-Baikal and the BAM region among groups of local nonnative population p 420 A86-49269

EINHORN, H. J.

A model of the conjunction fallacy p 136 N86-19901

[AD-A160876] EIRICH, F. R.

Further work on sodium montmorillonite as catalyst for the polymerization of activated amino acids p 301 N86-26868

EISERER M .I

Development of a portable oxygen system analyzer D 430 A86-47742

EISLER, W. J., JR.

Multiparameter data acquisition systems for studies of Circadian rhythms [DE86-004041] p 398 N86-30308

EJZAK, E. M.

Water quality monitor for recovered spacecraft water [SAE PAPER 851347] p 139 A86-23533 EKHOLDT, P. F.

Diffuse pulmonary ossification and spontaneous pneumothorax in a pilot - A case report p 395 A86-44093

ELBERT, L. B.

Investigation of reactogenic and antigenic activity of chromatographically purified, concentrated and inactivated dry vaccine against tick borne encephalitis p 119 N86-19837

ELFIMOV. A. I.

Dynamics of the salivary electrolyte composition and renal excretory function during human adaptation to an p 216 A86-30899 altered gaseous environment ELIS. S.

Morphological and biochemical changes in soleus and extensor digitorum longus muscles of rats orbited in Spacelab 3 p 203 A86-30464

ELLIOTT, D. C. analysis of biomass pyrolysis Comparative

condensates DE86-001773] p 159 N86-21102 ELLIS, S.

Changes in muscle protein composition induced by atrophy - Analysis by two-dimensional electrophoresis p 200 A86-30440 The use of suspension models and comparison with true weightlessness p 205 A86-30480 ELLIS, S. R.

Virtual space and 2-dimensional effects in perspective displays p 441 N86-33005 ELLISON, M. G.

Timebased analysis of significant coordinated operations (TASCO) - A cockpit workload analysis . Schnique p 268 A86-33810 ELMAN. J. L

Interactive activation models of perception and comprehension

[AD-A161362] ELWORTH, C. L

Age, degraded viewing environments, and the speed of accommodation p 87 A86-20407 p 87 A86-20407 EMANUEL, N. M.

The geroprotective activity ٥f 2.6-dimethyl 3,5-diethoxycarbonyl 1,4-dihydropyridine

p 49 A86-16783 EMELIANOV, A. M.

Control errors: Psychological causes - An automated method of analysis p 270 A86-35460 EMIRBEKOV. E. E.

Study of brain biochemistry during hypothermia

p 285 N86-27875 EMPSON, J. A. C.

'Actions not as planned' in military air-traffic control p 70 A86-18546

ENDECOTT, B. R.

Inhalation toxicology. 5: Evaluation of relative toxicity to rats of thermal decomposition products from two aircraft seat fire-blocking materials

[AD-A165034] p 277 N86-27866 Inhalation toxicology. Part 6: Evaluation of the relative toxicity of thermal decomposition products from 9 aircraft panel materials

[AD-A168250] p 424 N86-32958 ENDERLE J. D.

Application of the system identification technique to goal-directed saccades

[AD-A159102] ENGELKEN, E. J.

Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal p 395 A86-44089 Computer analysis of visual and vestibular oculomotor

function in the medical selection of fighter aircrew members p 400 N86-30319 ENGELMAN, W. J.

The effects of redundancy, target density and practice on a complex visual search task p 142 A86-23712 ENGELMAN, W. R.

Use of a signal detection paradigm to assess subjective intersection points in a target location task

p 129 A86-23720 ENGLERT, J. A.

An investigation of judgments of category frequency [AD-A159555] p 72 N86-14894 ENGLISH, D. M.

Protective respirator for the AAH-64 Advanced Attack Heliconter p 97 A86-19336

ENGLISH, J. J.

Extremely Low Frequency (ELF) communications system bio-effects library development [AD-A162839] AD-A162839] p 225 N86-24204 ELF (Extremely Low Frequency) biological effects

literature data base management syste [AD-A162900] D 225 N86-24205 ENGLUND, C. E.

Changes in fitness and shipboard task performance following circuit weight training programs featuring continuous or interval running [AD-A163110]

p 225 N86-24206 ENIKEEV, M. V.

Changes in the function of skeletal muscle vessels due to the cardiogenic depressor reflex p 81 A86-22594

Potential for cross-reactive protection using peptides and adjuvants or carrier molecules [AD-A160360] p 108 N86-19826

ENOKA, R. M. Cage-size and gender effects on fatigue in rats

p 198 A86-30430 EPPERSON, W. L.

Human error in life support operations

p 96 A86-19330 EPSTEIN, W.

Inexpert calibration of comprehension AD-A1657011

p 382 N86-28617 ERICKSON, R. T. The changing face of constant wear anti-exposure

ESPOSITO, J. J.

Low temperature inflator apparatus [AD-D011810] p 45 N86-12974 ESSICK, G. K.

Encoding of spatial location by posterior parietal p 27 A86-14714

ETHELL, J.

The stress syndrome p 290 A86-37276

D 431 A86-47749

EVANS. D. G. The startle reflex as a learning task: Apparatus and test narameters p 428 N86-32970

[AD-A167958] EVANS, H.

In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 EVANS. J. N. S.

Indirect observation by C-13 NMR spectroscopy of a novel CO2 fixation pathway in methanogens p 103 A86-23225

EVANS. M. L.

The calcium dependence of auxin action in roots

p 197 A86-30421 Correlated changes in calmodulin activity and gravitropic ensitivity in roots of maize EVANS W .I

Metabolic changes following eccentric exercise in trained and untrained men

FAD-A1665211 p 402 N86-31211

EVERS. K. H.

Incorporating human operator considerations into existing weapon system analysis and quantification

EXNER. M.

Hygienic aspects of water supply for chamber sanitary facilities, changes of divers' bacterial mouth flora and effectiveness of ear prophylaxis in saturation dives p 124 N86-19874

FXIIM F D

Hematopoiesis in conventional mice after wound [AD-A160436] p 108 N86-18959

p 86 A86-19351

Evaluation of pilot performance and aircrew protective devices in a simulated F-14 flat spin environment

EZZEDINE, H.

Development of a hierarchical multiprocessor control for a polyarticulated mechanical structure used to study human operators subjected to vibrations p 433 A86-48553

FABBISHENKO, Y.

Commentary on results of biological satellite program p 278 N86-27871

FADEYEV. Y. A.

Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259

FAGAN, J. M.

Biochemical response to chronic shortening in unloaded soleus muscles A86-12380 FAGARD, R.

Plasma levels of renin, angiotensin II, and 6-ketoprostaglandin F1-alpha in endurance athletes p 8 A86-10111

FAGG, M. F.

Reconfigurable work station for a video display unit and

[NASA-CASE-MFS-26009-1SB]

p 188 N86-22114 FAGOT, C. Hermes ECLSS - Review of general requirements and

application to the spaceplane definition [IAF PAPER 85-304] p 45 A86-15817 FAHEY, R. C.

Evolution of thiol protective systems in prokaryotes p 307 N86-26896

FAJER, J.

Experimental, structural and theoretical models of bacteriochlorophylls a, d and g

[DE86-001727] p 158 N86-21101 FALK. L. J.

Effect of dexamethasone on symptoms of acute mountain sickness at Pikes Peak, Colorado (4300m)

[AD-A168662] n 425 N86-32963 FÄNG, H. S.

Further studies on the application of the compartmentalization/airlock concept to aircraft and spacecraft p 53 A86-18842 FARAGO, P. S.

Spin-dependent electron scattering from optically active molecules p 76 A86-16425 FARESE, G.

Hemodynamic responses to upright tilt at sea level and high attitude

[AD-A163555] p 59 A86-18836 FARHI, L. E.

A fundamental problem in determining functional

residual capacity or residual volume p 281 A86-39099 FARR, L. A.

Reduction of circadian disruption following surgery by ingestion of caffeine in the laboratory rat

p 201 A86-30447

FARRELL, J. E.

Window of visibility - A psychophysical theory of fidelity in time-sampled visual motion displays

p 240 A86-32451 FARRELL, R. A.

Nonionizing radiation damage in the eye

p 251 A86-33838 FARRELL, R. M. Health maintenance and human productivity in the Space

Station Fra SAE PAPER 851312]

p 110 A86-23503

FARRELL, S. M. An updated model for a Space Station Health

Maintenance Facility
[AIAA PAPER 86-2303] p 397 A86-46938 FARRER, D. N.

Eye protection against intense light sources

p 284 N86-26818

FARRINGTON, M. Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space p 202 A86-30459 Lah 3 FAST, T.

Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454 Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 FATH, J. L.

PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774 FAULKNER, B.

Cockpit automation requirements derived from miss p 293 N86-26318 functions data FAVOROVA, O. O.

The tryptophanyl-tRNA synthetases from eurocaryotes, procarvotes, and archebacteria have a common antigenia p 105 A86-24323 FEDORENKO, B. S.

Radiobiological validation of quality factor of protons and p 287 Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904 FEDOROV B M

Blood circulation changes in the carotid arteries pool caused by antiorthostasis and antiorthostatic hypokinesia p 27 A86-15513 The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation

p 216 A86-30895

FEDORUK, A. G.

A study of functional asymmetry of paired organs in p 10 A86-10750 aircraft personnel

immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result p 168 N86-21040 Immission and weather effects on children's airway troubles in Berlin (1979-1982). Time series investigations: Croup syndrome and asthmatic airway trouble

p 168 N86-21044 Emmission and weather effects on children's airway troubles in Berlin (1979-1982). Comparison of two different immissions: Loaded residential areas in West Berlin p 168 N86-21045

FEIGENBAUM, E. Cardiokymography

[PB86-133790]

p 258 N86-25987 FELDMAN, L. J.

Effects of norflurazon on the levels of abscisic acid and

xanthoxin in caps of gravistimulated roots of maize p 197 A86-30420

FELDMAN, M.

The significance of recurrent childhood respiratory disorders in flight training applicants p 395 A86-44095

Mechanical accessories for mobile teleoperators [DE85-014310] p 23 N86-11855

Human-machine interfaces for teleoperators: overview of research and development at the Oak Ridge National Laboratory. Consolidated Fuel Reprocessing

[DE85-017713] p 100 N86-17990

Altered carbohydrate metabolism in the whole body suspended rat p 199 A86-30431 FEREBEE, M. J., JR.

**Environmental Control and Life Support Systems** technology options for Space Station application

p 140 A86-23559 [SAE PAPER 851376] FERGUSON, E. W.

Plasma viscosity elevations with simulated weightlessness p 253 A86-36312

FERGUSON, S. W.

Assessment of simulation fidelity using measurements p 264 A86-35667 of piloting technique in flight. II

FERMIN, C. D.

Morphogenesis and calcification of the statoconia in the chick (Gallus domesticus) embryo - Implications for future p 195 A86-30405

Development of otoconia in the embryonic chick (Gallus domesticus) p 414 A86-49871

FERNANDEZ, E.

An analysis of the productivity of a CELSS continuous algal culture system p 151 N86-19927 FERRIS, F. G.

Iron-silica crystallite nucleation by bacteria in a eothermal sediment p 247 A86-36368 geothermal sediment FERRIS, J. P.

Photochemical reactions in interstellar grains photolysis of CO, NH3, and H2O p 189 A86-28721

Photolysis products of CO, NH3 aND H2O and their significance to reactions on interstellar grains

p 298 N86-26849

FIELDING, R. A. Muscle metabolism during exercise in the heat in unacclimatized and acclimatized humans

p 36 A86-16051

FIFE. W. P. Plasma volume and estimated liver plasma flow during hyperbaric and hyperoxic exposures in awake dogs

p 52 A86-18841 FIFER. R. C. The Middle Latency Response (MLR) and Steady State

Evoked Potential (SSEP) in neonates [AD-A158007] p 67 N86-15900

FIGUROVA, M. Y. Effect of cold on brain serotonin system and plasma

corticosteroid level in different strains of mice p 5 N86-10766

FIKRE. J.

Improvement in direction discrimination - No role for eye p 234 A86-32073 FILLMORE, D. L.

Basic human factors considerations

[DE86-008181] p 409 N86-31223

Human factors management [DE86-008184]

p 409 N86-31226 FINE. A.

Microgravity changes in heart structure and cyclic-AMP metabolism p 203 A86-30465 FINE, B. J.

Effect of heat and chemical protective clothing on

cognitive performance [AD-A162001] p 242 N86-24218

Muscle metabolism during exercise in the heat in unacclimatized and acclimatized humans

p 36 A86-16051

FIORICA, V.

Plasma norepinephrine, blood pressure and heart rate response to graded change in body position

p 59 A86-18835 FISHER, D. R.

Dose distribution and the relative biological effectiveness of internal alpha emitters [DE85-013041] p 17 N86-11845

FISK, A. D.

Automatic and controlled processing approach to interpreting vigilance performance p 259 A86-33777 FISTERE, J.

User interface description of a gas turbine control svstem

[ASME PAPER 86-GT-296] p 433 A86-48309

FITTS, R. H. Recovery in skeletal muscle contractile function after prolonged hindlimb immobilization p 1 A86-10109 Models of disuse - A comparison of hindlimb suspension and immobilization p 391 A86-44196

FITZJARRELL, P. B. The first cortical implant of a semiconductor multielectrode array. VER (Visual Evoked Responses) and propagation analysis

AD-A1640151 FITZPATRICK, J. A.

Research on the specification and acquisition of maintenance training simulators in the U.S. Air Force p 268 A86-33823

FLACH, J. M.

The effects of psychophysical matching on the transfer of training between alternative motion simulators

p 232 A86-29919 Tactual cuing can produce better performance than p 239 A86-29920 FLAGEAT, J.

The vertebral column: Selection and aptitude of combat aircraft pilots of the future p 400 N86-30322 FLEG. J. L

Age-related augmentation of plasma catecholamines during dynamic exercise in healthy males

p 10 A86-12376

p 248 N86-25972

p 201 A86-30451

spaceflight

Homeostasis and biological rhythms in the rat during paceflight p 202 A86-30460

FLEISCHMAN, R. N.	FOX, R.	FRITSVOLD, J. D.
The effects of syntactic complexity on the	Interaction of image characteristics of stereoscopic	Computer tools and techniques for analysis of discrete
human-computer interaction p 271 A86-36172 FLOHRER. W.	forms during depth perception	data from aircrew automated escape systems (AAES)
A measure of usability p 433 A86-47775	[AD-A164895] p 291 N86-26831	p 96 A86-19302
FLUGEL, C. W.	FOX, S. W.	FRITZSCH, B.
Development of a zero-prebreathe spacesuit	Protobiological informatoin, bidirectional recognition and reverse translation p 303 NR6-26878	Questions on the evolution of the developmental
p 96 A86-19304	reverse translation p 303 N86-26878 FRANCE, P.	program of the vertebrate inner ear under long term zero
FLYNN, D. E.	Effect of rotopositioning on the growth and maturation	g conditions p 389 N86-29530
Effects of suspension hypokinesia/hypodynamia on rat	of mandibular bone in immobilized Rhesus monkeys	FROESE, R.
skeletal muscle p 26 A86-14313	p 106 A86-25659	Long duration confinement of aquatic organisms in weightlessness (aquaspace) p 389 N86-29531
FLYNN, E. T.	FRANCESCONI, R. P.	weightlessness (aquaspace) p 389 N86-29531 FROLKIS, R. A.
Decompression outcome following saturation dives with	Thermoregulatory and blood responses during exercise	Antioxidants as antiarrhythmic remedies
multiple inert gases in rats	at graded hypohydration levels p 36 A86-16052	p 246 A86-35938
[AD-A163720] p 28 A86-16054 FLYNN, W. J.	Plasma hormonal responses at graded hypohydration	FROLKIS, V. V.
	levels during exercise-heat stress	Antioxidants as antiarrhythmic remedies
The effects of hypoxia induced by low atmospheric pressure on soft contact lens wear	[AD-A164941] p 86 A86-20004	p 246 A86-35938
[AD-A158556] p 38 N86-12963	An atropinized heat-stressed rat model: Anticholinergic	FROLOV, B. A.
Soft contact lens wear during +G(Z) acceleration	and anticholinesterase drug potency	Changes in immunoreactivity during adaptation to
[AD-A165013] p 289 N86-27915	[AD-A157620] p 6 N86-11832	Intervals of hypoxic hypoxia p 80 A86-21451
FOGT, J. C.	Circulatory and thermoregulatory actions of hydration	FROMMES, B.
The influence of preview period and global optical flow	during exercise-heat stress	Problems of city planning p 169 N86-21049
rate on sensitivity to loss in speed of self motion	[AD-A158440] p 63 N86-14875	FRONTERA, W. R.
p 230 A86-29901	Simultaneous determination of fluid shifts during thermal stress in a small animal model	Metabolic changes following eccentric exercise in
FOLDS, D. J.	FAR 4. #400007	trained and untrained men [AD-A166521] p.402 N86-31211
Auditory signals in military aircraft - Ergonomic principles	[AD-A159363] p 83 N86-16877 Urinary and hematological indices of hypohydration	[AD-A166521] p 402 N86-31211 FROOM, P.
versus practice p 185 A86-28442	[AD-A165015] p 289 N86-27917	Systolic blood pressure in fighter pilots after 12-15 years
Development of a comprehensive voice message	FRANCIS, G. S.	Service place pressure in righter pilots after 12-15 years
vocabulary for tactical aircraft p 237 A86-29861	Effect of head-down tilt on basal plasma norepinephrine	service p 250 A86-33762 Central serous retinopathy (choroidopathy) in pilots
FOLEY, M. E.	and renin activity in humans p 11 A86-12377	p 254 A86-36317
Effects of body mass and morphology on thermal	FRANK, L. H.	Low back pain in pilots p 395 A86-44092
responses in water p 162 A86-28123	Simulator sickness - Incidence of simulator aftereffects	The significance of recurrent childhood respiratory
FOLSOME, C. E.	in Navy flight trainers p 85 A86-19346	disorders in flight training applicants p 395 A86-44095
Photochemical reactions of various model protocell	Visual distortion - The correlation model	FRUCHT, A. H.
systems p 303 N86-26879	[SAE PAPER 841595] p 114 A86-26026	The effect of high frequency electromagnetic fields on
FOMIN, I. Q.	FRANKEL, R. M.	numan beings (frequency range between 1 kHz and 1000
Effect of positive pressure breathing on hemodynamics	'Captain I was trying to bring up the fact that you made	GHz) p 223 N86-24193
in patients with borderline hypertension submitted to water	a mistake earlier' - Deference and demeanor at 30,000 feet	FRULLANI, S.
immersion p 61 N86-14855	FRANKSHTEIN, S. I.	Elements of Radiation Protection
FORD, T. L.	The effects of cerebral hypoxia and hyperventilatory	[ISS-L-84/7] p 288 N86-27908
Optimization of controlled environments for hydroponic	hypocapnia on the epileptiform activity in the cerebral	Effects of radiation health p 288 N86-27910 FRY, I.
production of leaf lettuce for human life support in	cortex of cats p 392 A86-45318	Application of photosynthetic N2-fixing cyanobacteria to
CELSS p 152 N86-19936	FRAZIER, J. W.	the CELSS program p 151 N86-19929
FORECAST, D.	Hemodynamic effects of anti-G suit inflation in a 1-G	FRY. R. J.
Low back pain in pilots p 395 A86-44092	environment p 22 A86-12379	Neutron effects in humans: Protection considerations
FORECAST, D. F.	The effect of breathing elevated CO2 gas mixtures on	[DE85-015047] p 64 N86-14882
Systolic blood pressure in fighter pilots after 12-15 years service p.250 A86-33762	tracking performance, blood pressure, and subjective	FRY, R. J. M.
service p 250 A86-33762 FORREN. M.	tolerance at 1Gz	Chemical characterization and toxicologic evaluation of
Altitude estimation of pilot and non-pilot observers using	[AD-A165974] p 401 N86-31210	airborne mixtures: Tumorigenicity studies of Diesel Fuel-2
real-world scenes p 230 A86-29905	FRAZIER, M. E.	Hed Smoke Dye and Violet Smoke Dyes in the SENCAR
FORRESTER. J. S.	Dose distribution and the relative biological effectiveness of internal alpha emitters	Mouse Skin Tumorigenesis Bioassay System
Laser ablation of human atherosclerotic plaque without	IDEAC ALCOHOL	[AD-A159728] p 114 N86-18962
adjacent tissue injury p 91 A86-22711	[DE85-013041] p 17 N86-11845 FREEMAN, S.	Radiation induction of cancer of the skin [DE86-002201] p 221 N86-23270
FORSTER, E. M.	Sequence polymorphism of HLA-DR beta 1 alleles	[DE86-002201] p 221 N86-23270 FU. Y. K.
Effect of oxygen flow on passenger face mask	relating to T cell-recognized determinants	Bacterial inactivation by means of ionizing radiation
performance	[AD-A160237] p 107 N86-18956	[DE86-901038] p 412 N86-30348
[AD-A168832] p 443 N86-33021	DNA and protein studies of HLA class 2 molecules: Their	FUJIMAKI, T.
FORSTER, H. V.	relationship to T cell recognition	Cerebral thrombosis at altitude - Its pathogenesis and
Ventilatory acclimatization to hypoxia is not dependent	[AD-A160704] p 116 N86-18968	the problems of prevention and treatment
on cerebral hypocapnic alkalosis p 206 A86-30683	FREGOSI, R. F.	p 87 A86-20410
FORTE, V. A., JR.	Effects of exercise in normoxia and acute hypoxia on	FUJITA, E.
Research animal stanchion and transporter	respiratory muscle metabolites p 246 A86-36223 FREI, M. R.	Experimental, structural and theoretical models of
[AD-A163907] p 248 N86-25110	Effects of psychotropic drugs on thermal responses to	bacteriochlorophylls a, d and g
Altitude acclimatization attentuates plasma ammonia	radiofrequency radiation p 59 A86-18838	[DE86-001727] p 158 N86-21101
during submaximal exercise	FREIVALDS, A.	FULCO, C. S.
[AD-A168630] p 425 N86-32962	Incorporation of active elements into the articulated total	Hemodynamic responses to upright tilt at sea level and high altitude
FORTERRE, P.	body model	[AD-A163555] p 59 A86-18836
Positively supercoiled DNA in a virus-like particle of an	[AD-A162518] p 177 N86-22101	Effect of spironolactone on acute mountain sickness
archaebacterium p 372 A86-40879	FRENKEL, I. D.	p 377 A86-41781
FOURCADE, J.	Distinctions in humoral control of metabolism with	The effect of spironolactone on the cardiocirculatory
Variations in state of vigilance during continuous	simulation of spaceflight factors p 286 N86-27884	responses to upright tilt at sea level and at simulated high
operations at a command post [DRIC-T-7503] p 95 N86-16000	FRENZEL, H.	altitude
FOUSHEE, H. C.	Effects of hypodynamia and neuroemotional stress on	[AD-A157734] p 39 N86-13887
	the performance of circulatory and respiratory systems	Altitude acclimatization attentuates plasma ammonia
Preparing for the unexpected - A psychologist's case for improved training p 132 A86-26033	during muscular work p 422 Å86-49919 FREY, M. A. B.	during submaximal exercise
Cockpit resource management - Exploring the	Cardiovascular responses of women to lower body	[AD-A168630] p 425 N86-32962
attitude-performance linkage p 229 A86-29899	negative pressure p 377 A86-41779	FULD, R. B.
Realistic training for effective crew performance	FRIBERG, P.	A comparison of operator performance in manual and
	Recent observations of organic molecules in nearby	automated versions of a dynamic decision-making task
FOWLER, J. p 264 A86-35446	cold, dark interstellar clouds p 296 A86-38139	p 262 A86-33825
Determination of the lumped constant and the kinetic	FRICKE, M.	FULLER, C. A.
constants for deoxyglucose and fluorodeoxyglucose in	Determination of the load and stress on a cockpit crew	Changes in functional metabolism in the rat central
man	during flight using tasking networks and the SAINT	nervous system following spaceflight
[DE86-000317] p 118 N86-18978	simulation language p 432 A86-47770	p 199 A86-30433
FOX, G. E.	FRIEDMANN, E. I.	Influence of exposure to a prolonged hyperdynamic field
Phylogenetic origins of the plant mitochondrion based	Microfossils in the Antarctic cold desert: Possible implications for Mars p 307 N86-26897	on body temperature in the squirrel monkey
on a comparative analysis of 5S ribosomal RNA	FRIEMEL, F. p 307 N86-26897	p 200 A86-30439
sequences p 2 A86-12002	Comparison of bradycardia breath-hold on divers and	Life science research on the Space Station
I DO SUBIO SUSPINIOS AND ASSESSMENT OF A		U∠UI AAD-30451

Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers p 122 N86-19863

The rRNA evolution and procaryotic phylogeny p 305 N86-26889

Early adaptation to altered gr	
in the squirrel monkey	p 203 A86-30461
The effect of a hyperdynai	mic environment on the
development of the rat retina	p 203 A86-30463
ULLER, H. C.	
A survey of speech audiomet	ry in the National Health
Service	
[NPL-AC-105]	p 221 N86-23267
UNK, G.	
Animal studies on Spacelab-3	
[NASA-TM-88212]	p 92 N86-16889
UNK, G. A.	
Microbiological management	of Spacelab 3 rodents
[AIAA PAPER 85-6090]	p 26 A86-14386
Ames Research Center Lif	
Overview of results of a space	flight of 24 rats and 2
monkeys	
[AIAA PAPER 86-0583]	p 79 A86-19963
UNKHOUSER, G. E.	
Evaluation of a passenger	
rebreather bag for protection	
[AD-A162473]	p 188 N86-22116
URDUY, F. I.	
Combined effects of stressor	
reflex arc structures	p 62 N86-14871
URST, J. J.	
Anabolic steroids as a count demineralization during space fli	
URUNO, T.	gnt p 114 A86-25662
Effect of immobilization stress	an bank wainba in mas
Effect of infinobilization stress	p 81 A86-22324
YFE, W. S.	p o 1 A00-22324
Iron-silica crystallite nucleat	tion by bootonia in a
geothermal sediment	p 247 A86-36368
geothernal sediment	p 247 A00-30300
G	
BUAN, C.	
Protection of eyes against las	er damage studied

GABRYL-WOJTACH, B. Meteorotropic determinants of road collisions and accidente p 165 N86-21022 GABYSHEV, V. K. Oxygenation and regional circulation in gingival mucosal

tissues under effect of head-to-petvis (+Gz) accelerations p 65 N86-15872 GADEK, J. E.

Effects of breathing pattern on inspiratory muscle ndurance in humans p 86 A86-20003 GAERTNER, K.-P.

Evaluation of man-machine systems - Introduction and p 432 A86-47767 GAFFNEY, F. A.

Spacelab life sciences flight experiments - An integrated approach to the study of cardiovascular deconditioning and orthostatic hypotension [IAF PAPER 85-316] p.36 A86-15826

GAGE, K. P. An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography

p 377 A86-41400 GAGNOL J. P.

Cardiac response of submaximal exercise in dogs susceptible to sudden cardiac death p 1 A86-10107

Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of p 392 A86-45320 GAILLARD, A. W. K.

Standardization of tasks: Approach planning [IZF-1984-19] p 20 N86-10782 GALF. G. F.

Pulmonary gas exchange in humans during exercise at pa level p 281 A86-39095 Pulmonary gas exchange in humans exercising at sea level and simulated altitude p 419 A86-47874 GALKINA, Y. Y.

Functional activity of human serotoninergic and histaminergic systems during long-term antiorthostatic GALLE-TESSONNEAU, J. R.

Some psychological aspects of air sickness

p 131 A86-24508 GALLEGOS, A. F.

EFFECTS: Documentation and verification for a BEIR 3 cancer risk model based on age, sex and population dynamics for BIOTRAN IDE86-0032851 p 226 N86-24210

GAMACHE, R. A. Simulator instructor task loading - The tide is turning p 233 A86-30362

GANDER, P. H. Phase shifting two coupled circadian pacemakers Implications for jet lag p 377 A86-40684

Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890 GANDHI O P

Absorption of millimeter waves by human beings and its biological implications p 111 A86-24442 Human body impedance and threshold currents for perception and pain for contact hazard analysis in the VI F-MF hend GANDHI, OM. P.

Likelihood of high rates of energy deposition in the human legs at the ANSI recommended 3-30-MHz RF safety p 58 A86-17918 GANINA, V. I.

Antibiotic properties of bifidobacteria

p 219 N86-23236 GAPRINDASHVILI, T. G.

Morphological changes in some internal organs of guinea pigs due to the effect of a constant electromagnetic field p 103 A86-23490 GARAVELLI, J. S.

Airborne trace contaminants of possible interest in CELSS p 150 N86-19923

GARCIA, T. A. Effects of broad-banded eye protection on dark p 284 N86-26817 adaptation

GARDENIER, J. S. Simulators; Proceedings of the Conference, Norfolk, VA, March 3-8, 1985 p 381 A86-40476 GARDETTE, B.

The influence of individual factors in man on bubble formation in air diving decompression

p 125 N86-19881 GARDNER, D. J.

Speech compression as a potential aid to automated warnings in the cockpit p 185 A86-28445

GARDNER, L. Self-control of psychophysiologic response to motion stress Using biofeedback to treat sickness

[AD-A1634281 n 70 A86-18833 GARG, S.

Optimal cooperative control synthesis displays p 441 N86-33006 GARGAS, M. L.

In vivo dermal absorption method and system for laboratory animals

FAD-D0123251 p 417 N86-32951 GARLAND, F. C.

Review of duodenal and gastric ulcer

[AD-A160919] p 117 N86-18977 GARNEAU, M.

Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996

Elevations of plasma endotoxin levels and lysosomal enzyme activities in divers during a simulated chamber dive to 300 msw p 123 N86-19866

GARRETT, R. A. The uniqueness of archaebacteria n 50 A86-17808 An intron in the 23S ribosomal RNA gene of the archaebacterium Desulfurococcus mobilis

p 80 A86-21588 GARRIGUES, M.

Effect of physical training in humans on the response of isolated fat cells to epinephrine p 418 A86-47868 GARSHNEK, V.

USSR Space Life Sciences Digest, Issue 2 [NASA-CR-3922(02)] N86-12949 p 28 USSR Space Life Sciences Digest, issue 3 [NASA-CR-3922(03)] p 106 N86-18949 USSR Space Life Sciences Digest, issue 4 [NASA-CR-3922(04)] p 209 USSR Space Life Sciences Digest, issue 5 p 209 N86-23218 [NASA-CR-3922(05)] p 248 N86-25109 USSR Space Life Sciences Digest, issue 7 [NASA-CR-3922(08)] p 416 N86-32083

GASAWAY, D. C. Noise levels in cockpits of aircraft during normal cruise nd considerations of auditory risk p 145 A86-25651 GASSET, G.

Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787

Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964 GAUBIN, Y.

Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays

p 373 A86-41787 GAUQUELIN. G. Volume regulating hormones p 214 A86-30384 GAUSER, F.

Phasic processes in kinetics of formed blood elements p 286 N86-27888 GAUTHIER, G. M.

Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758 Inhibitory effects of combined agonist and antagonist muscle vibration on H-reflex in man p 395 A86-44090

GAUTIER, I. M. L. A chinchilla restraint system

[AD-A167408] p 416 N86-32084 GAVERN. J.

Human error in life support operations

p 96 A86-19330 GAVRILIN. V. K.

Vestibular function in older individuals submitted to antiorthostatic hypokinesia for 30 days

p 172 N86-21116

GAVRIUTIN, V. M.

Hygienic assessment of the electromagnetic radiation s generated by radar installations

p 271 A86-36499

GAWORSKI, C. L. Acute toxicity studies on 2 Air Force hydraulic fluids (MLO 82-233 and MLO 82-585)

[AD-A1631741 n 258 N86-25984 GAWRON, V. J.

Cockpit design and evaluation data bases

p 236 A86-29857 Human performance simulation - Combining the data p 381 A86-40480

GAYDAMAKIN, N. A.

Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856

GAYEVYY, M. D.

Effect of dibasol and some of its imidazo analogues on animal tolerance to gravitational accelerations and dynamics of development of postischemic cerebrovascular

phenomena p 279 N86-27896 GAZENKO, O. G. Preliminary medical results of the 5-month flight onboard

Salyut-7-Soyuz-T p 10 A86-12362 [IAF PAPER 84-1841

Periodisation and classification of adaptive reactions of man in prolonged space flights

[IAF PAPER 84-185] p 10 A86-12363 USSR report: Space Biology and Aerospace Medicine,

volume 19, no. 5, September - October 1985 [JPRS-USB-85-007] p 54 N86-14848

USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865

USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985

[JPRS-USB-86-001] p 172 N86-21114 GDOWIK, C.

Improvements and modifications to naval helicopter helmets p 431 A86-47761

GEBHARDT, U. Hemodynamic response to LBNP following 2 hours HDT

(-6 deg) p 252 A86-36309 GÈELEN, G.

Blood pressure and plasma renin activity as predictors of orthostatic intolerance p 32 A86-14312 p 214 A86-30384 Volume regulating hormones Effect of hydration on plasma vasopressin, renin, and

aldosterone responses to head-up tilt p 253 A86-36311 GEER, C. W. Space Station crew interface specifications and

standards [SAE PAPER 851801] p 270 A86-35433 GELSTON, H. M., JR.

Hematopoiesis in conventional mice after wound trauma

[AD-A160436] p 108 N86-18959 GENCO, L. V.

Criteria for a state-of-the-art vision test system [AD-A157099] p 45 N86-12973

Variable contrast direct read-out vision tester AD-D012273] p 423 N86-32955 GENEROSO, W. M.

Relationship between alkylation sites and induction of dominant lethals and heritable translocations in mice p 7 N86-11835 [DE85-014309] GÈNIN, A. M.

Cardiorespiratory responses to lower body negative pressure and tilt tests after exposure to simulated p 215 A86-30387

GENNETTI, M. G. Applicability of using the CAR-II model in design and evaluation of multioperator workstations with shared

p 268 A86-33805 An attempt to counteract nitrogen narcosis by naloxone administration p 123 N86-19865 GENTILE, B. J.

Plasma volume and estimated liver plasma flow during hyperbaric and hyperoxic exposures in awake doos

GENTNER, D. R.

Human cognition and performance

[AD-A157665] p 42 N86-12970 GEORGE, D. G.

New perspectives on bacterial ferredoxin evolution p 2 A86-12001

GERBAUD, A. The C23A system, an example of quantitative control

of plant growth associated with a data base [SAE PAPER 851395] p 104 A86-23572 The C23A system, an exmaple of quantitative control

of plant growth associated with a data base p 148 N86-19911

GERBERT, K. The causes of causes' - Determinants and background

variables of human factor incidents and accidents p 233 A86-29930

A purely central movement aftereffect induced by binocular viewing of dynamic visual noise

n 133 A86-26297 GERLACH, O. H.

The biomorphic model of the human pilot [VTH-LR-310] p 100 N86-17991 GERNHARDT. M

Tissue gas bubble dynamics during hypobaric AYDOSI IFAS [SAE PAPER 851337]

p 111 A86-23525 GERSHANOVICH, V. N.

Cloning and expression of leptospira pomona hemolysin gene in escherichia coli p 211 N86-23249 GERSTNER, H. E.

Biomedical and Environmental Sciences Program DE85-0150701

p 28 N86-12953 GERTH, R. J. Teleoperation of legged vehicles - Unique problems

associated with walking and foot placement p 268 A86-33811

GERTMAN, D. I. Process of task analysis

[DE86-008183] p 409 N86-31225 GHARIB. C.

Volume regulating hormones p 214 A86-30384 GIACOMONI, L

Ultrasonic detection of circulating bubbles in ewes exposed to simulated dives deeper than 800 msw under isobaric conditions and with unchanged gas mixtures p 125 N86-19882

GIBBONS, H.

Air ambulance regulations - A model

p 405 A86-44094 GIBSON, E. K., JR.

Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments

p 304 N86-26883

Phylogenetic origins of the plant mitochondrion based on a comparative analysis of 5S ribosomal RNA p 2 A86-12002 GIBSON, L. A.

Hematologic parameters of astrorats flown on SL-3 p 202 A86-30458

GIFFIN, W. C. of critical in-flight events research review methodology p 228 A86-29886

GILBERT, E. S. Approaches to quantitative expression of dose

[DE85-013498] p 15 N86-10772 GILES, D. A.

Behavioral Airsickness Management program for student pilots

[AD-A161266] p 18 A86-10258 GILL. P. H. R. Methodology for integration testing of aircrew clothing

and equipment [AD-A165328] p 295 N86-26842 GILL, R. T.

The effect of acceleration stress on human workload [AD-A156770] p 180 N86-21140 The effects of acceleration stress on human workload and manual control p 437 N86-32984

GILLESPIE, W. J. Physiological changes in hemostasis associated with acute exercise

p 215 A86-30680 GILLILAND, K.

Effect of workload on the auditory evoked brainstem p 128 A86-23705 GILMAN, S. C.

Effects of pressure on uptake and release of calcium by brain synaptosomes p 247 A86-36225

GILMORE, W. E.

GILMOUR, J. D.

Human engineering guidelines for the evaluation and assessment of video display units [TI85-016435]

D 187 N86-21149

Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments

p 304 N86-26883

p 170 N86-21104

Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432 GINSBURG, E. L.

The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104

GIOMETTI, C. S.

Changes in muscle protein composition induced by disuse atrophy - Analysis by electrophoresis p 200 A86-30440 GIRYAYEVA, I. O.

Electrocardiogram in NEHB type leads of Macaca mulatta monkeys p 175 N86-21137

GISBORNE, J. T. The evaluation of copper compounds as potential fuel hincidos

[AMTE(M)-84520] p 84 N86-17974

GISOLFI, C. V. The role of endorphins in the pathophysiology of hemorrhagic and endotoxic shock in the subhuman primate

[AD-A162483] p 177 N86-22100

GITELSON, I. I.

Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable

[IAF PAPER 85-308] p 45 A86-15820 GIUFFRE, W. L.

Concerns are being raised about living in the space environment p 163 A86-29499 GIUTOV, I. N.

Farm animals as source of yersiniosis

p 217 N86-23230 GLAISTER, D. H.

A new standard for protective headgear - BS 6658 p 431 A86-47752

GLEBOVSKII, V. D.

The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats p 392 A86-45319

GLEESON, K. Altitude acclimatization (ventilation and chemoresponsiveness) during wakefulness and sleep p 423 N86-32091 [AD-A167738]

Predictors of periodic breathing at altitude p 424 N86-32957 GLEISNER, D. P.

Evaluation of pilot performance and aircrew protective devices in a simulated F-14 flat spin environment

p 86 A86-19351

GLENBERG, A. M.

Inexpert calibration of comprehension [AD-A165701]

p 382 N86-28617 GLOBUS, R. K.

Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425 The temporal response of bone to unloading

[NASA-TM-892281 p 397 N86-30303

GLOERICH, A. B. M.

Zopiclone's residual effect upon actual driving performance versus those of nitrazepam and nitrazepam and flunitrazenam [VK-84-10] p 423 N86-32954

GLOVER, B. J.

Effects of digital altimetry on pilot workload [SAE PAPER 841489] p 132 p 132 A86-26019

Effects of digital altimetry on pilot workload [NASA-TM-864241 p 42 N86-13892

Analytical techniques of pilot scanning behavior and their application [NASA-TP-25251

p 292 N86-27920 GLYBIN, L. Y.

Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19848

GOBLE, R. L.

Quantitative evaluation of human arterial baroreceptor reflexes [IAF PAPER 85-317]

p 36 A86-15827 Device for rapid quantification of human carotid baroreceptor-cardiac reflex responses

p 162 A86-28125 GODTHELP, H.

Studies on human vehicle control [B8563352] p 19 N86-10775 GODTHELP, J.

Path error-neglection in straight lane driving [IZF-1984-32]

p 20 N86-10783

A method for screening of plant species for space use p 152 N86-19938

GOETERS, K. M.

Extended analysis of the structure of error scores in psychological aptitude tests [DFVLR-FB-85-20] p 20 N86-10780

Speed of work and error rate: Analyses of individual differences in a choice reaction series with a cognitive [DFVLR-FB-85-21] p 20 N86-10781

Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 N86-15915

Speed of work and error rate: Analyses of individual differences in a choice reaction series with a cognitive

[ESA-TT-944] p 427 N86-32099 GOETTL, B. P.

The interfering effects of processing code on visual memory p 259 A86-33782 Experimental, structural and theoretical models of

bacteriochlorophylis a, d and g [DE86-001727] p 158 N86-21101

GOFORTH G. A.

A blitz of bends - Decompression sickness in four

students after hypobaric chamber training p 378 A86-41790

GOLANT, M. B. Effect of low-power millimeter-range monochromatic electromagnetic radiation on biological processes

p 155 A86-27475 Prospects for using millimeter-band electromagnetic radiation as an efficient way of obtaining information on specific processes in living organisms

p 246 A86-35088

Comparison of novice and experienced pilots using analog and digital flight displays p 227 A86-29865

GOLDBERGER, A. L. Nonlinear mechanisms in pathophysiology Toward a dynamical theory of health and

p 422 A86-49636 Cardiac reserve during weightlessness simulation and shuttle flight

[NASA-CR-177085] p 380 N86-29497

GOLDENBERG, T.

Laser ablation of human atherosclerotic plaque without adjacent tissue injury p 91 A86-22711 GOLDMAN, W. S.

Effects of head and body restraint on experimental motion-induced sickness in squirrel monkeys

p 26 A86-14314 GOLDOVSKAYA, M. D.

Electrocardiogram in NEHB type leads of Macaca p 175 N86-21137 mulatta monkeys Restraint system for waking Macaca mulatta monkeys during postural tests p 280 N86-27898 GOLDSMITH, M. H.

Use of membrane vesicles as a simplified system for studying transport of auxin p 209 N86-23219

GOLDSMITH, S. R. Effect of head-down tilt on basal plasma norepinephrine and renin activity in humans p 11 A86-12377

GOLDSMITH, W. Critical impact and acceleration loading to the head

p 214 A86-30381 GOLDSPINK, D. F. Effect of inactivity and passive stretch on protein

turnover in phasic and postural rat muscles p 413 A86-47871 GOLDSPINK, G.

Effect of inactivity and passive stretch on protein turnover in phasic and postural rat muscles

p 413 A86-47871 GOLDSTEIN, G. M.

Factors influencing carboxyhemoglobin stability [AD-A165032]

GOLDSTEIN, J. The production of RhO(D) negative erythrocytes [AD-A160775]

p 116 N86-18971 GOLDSTEIN, R.

A psychophysiological mapping of cognitive process [AD-A158732] p 43 N86-13895 GOLDWATER, D.

Plasma viscosity elevations simulated weightlessness p 253 A86-36312 GOLDWATER, D. J.

Bedrest-induced peak VO2 reduction associated with age, gender, and aerobic capacity p 87 A86-20402 Effect of simulated weightlessness on exercise-induced

GRAY, G.

p 250 A86-33756 Detection of chromosomal abnormalities in human anaerobic threshold Canadian forces approach to aircrew medical Cardiovascular dynamics associated with tolerance to sperm p 399 N86-30311 selection p 253 A86-36310 [DF85-014178] lower body negative pressure p 7 N86-11834 GRAY, G. W. GÓRETSKII. O. Ś. GOLOVINA, T. N. Hypoxia-induced vasopressin release and coagulopathy Prediction of human physical work capacity in in a normal subject Proteins and RNA in the neuron-neuroglia system of n, raphe dorsalis neurons of the ground squirrel brain during high-temperature environments p 34 A86-15522 GRAY, J. W. GORGO, IU. P. p 26 A86-14593 Improved monoclonal antibodies to halodeoxyuridine informational assessment of changes in the GOLTSMAYER, T. A. [DE85-017764] p 92 N86-16891 physiological characteristics of an operator under different Cloning and expression of leptospira pomona hemolysin GRAY, R. work regimens p 271 A86-36527 gene in escherichia coli p 211 N86-23249 Your space suit and you - Significance of manloading GORHAM, E. D. GOLUBIC, S. in pressure suit design Review of duodenal and gastric ulcer Microbial mats and modern stromatolites in Shark Bay, [SAE PAPER 851334] p 137 A86-23523 AD-A160919] p 117 N86-18977 p 51 A86-18027 Western Australia GRAYBIEL, A. GOROZHANIN, V. S. GOMERSALL E. W. The effective intensity of Coriolis, cross-coupling Individual differences in maximum oxygen uptake US monkey and rat experiments flown on the Soviet stimulation is gravitoinertial force dependent - Implications p 62 N86-14863 Satellite Cosmos 1514 for space motion sickness p 163 A86-29093 GORSHUNOVA, A. I. [NASA-TM-882231 p 375 N86-28606 Sudden emesis following parabolic flight maneuvers Toxicological evaluation of gas emission from GONCHAR, N. M. heat-stable tetrafluoroethylene-based polymers when Implications for space motion sickness Changes in the morphofunctional and cytochemical p 250 A86-33759 p 175 N86-21131 indices of blood leukocytes after exposure to low-intensity Head movements in non-terrestrial force environments microwave radiation p 52 A86-18150 An appraisal of dive profiles in shellfish divers with elicit motion sickness - Implications for the etiology of GONZALEZ, R. R. p 253 A86-36315 reference to the risk of decompression sickness space motion sickness Human thermoregulatory responses to cold air are p 125 N86-19879 Cardiovascular epidemiology, exercise, and health aftered by repeated cold water immersion GOTSMAN M.S. 40-year followup of the U.S. Navy's '1000 aviators' p 281 A86-39094 Heat acclimation - Cardiac performance of isolated rat p 378 A86-41789 Human thermoregulatory responses to cold air are p 82 A86-22663 GREBENIK, M. A. GOULD, C. I. altered by repeated cold water immersion The state of man's organism under conditions of Effect of flight in mission SL-3 on interferon-gamma [AD-A158871] p 68 N86-15904 elevated atmospheric carbon dioxide Prediction modeling of physiological responses and production by rats p 204 A86-30467 p 163 A86-29306 human performance in the heat GOURBAT, J. P. GREBNIAK, V. P. [AD-A160513] p 115 N86-18965 Gastric and duodenal ulcers and the flight fitness of The dynamics of systemic functional organization during Environmental stress after atropine treatment p 113 A86-24509 adaptation to work in extreme environme Mitral valve prolapse in a young person - An estimation [AD-A1619231 AD-A161923] p 223 N86-24197 Influence of erythrocythemia on blood volume and n 254 A86-36530 of the risk of arrhythmia - The impact on the flight fitness GRECO, P. J. p 113 A86-24510 thermoregulation during exercise-heat stress of a pilot Improving intelligibility in audio distribution systems GOURLET, V. [AD-A1650141 p 289 N86-27916 p 186 A86-28513 Thermoregulation after atropine and pralidoxime Biological parameters in Japanese quail genetically GREEN A administration selected for resistance or sensitivity to an acute hypoxic Molecular archaeology of the mitochondrial genome [AD-A165868] p 397 N86-30304 p 2 A86-10256 p 104 A86-23996 GOUTEYRON, J. F. Induced erythrocythemia and maximal aerobic power: A cold thyroid nodule - Statistical data and aeronautical GREEN, R. D. An examination of modifying factors p 402 N86-31212 p 112 A86-24507 Additional pressurisation for treating nonresponding fAD-A1665221 cases of serious air decompression sickness GÓNZALEZ W.R. COWDY J. N. Robotics and the space station p 58 A86-18831 p 98 A86-20507 Space Station human productivity study GREEN, R. G. p 269 A86-34980 GRAEBER, R. C. The effects of mild hypoxia on a logical reasoning GOODE, A. W. Phase shifting two coupled circadian pacemakers -Implications for jet lag p 377 A86-40684 The skeleton in space p 10 A86-11833 p 18 A86-10261 GOODFRIEND, R. Effects of 9-hour time zone changes on fatigue and GREEN. S. J. Cutting head for ultrasonic lithotripsy [NASA-CASE-GSC-12944-1] p circadian rhythms of sleep/wake and core temperature Effects of head and body restraint on experimental p 92 N86-16890 [NASA-TM-88197] p 126 N86-19885 motion-induced sickness in squirrel monkeys GOODMAN, L. S. Crew factors in flight operations. Part 4: Sleep and Simple and choice reaction time in a secondary task wakefulness in international aircrews GREENBERG, J. H. under varied stimulus modality probabilities [NASA-TM-88231] p 379 N86-28613 Determination of the lumped constant and the kinetic p 135 N86-19896 [AD-A159698] GRAF. W. O. constants for deoxyglucose and fluorodeoxyglucose in GOODRUM, J. K. A computer model of driver response (UTIAS-2931 Retrospective analysis of Naval Special Boards of Flight p 72 N86-15911 [DE86-0003171 p 118 N86-18978 p 251 A86-33763 GRAFFUNDER, K. Surgeons, 1974-83 GREENBERG. J. M. Dynamic retraining approaches for an airborne speech Photochemical reactions in interstellar grains photolys Active controllers and the time duration to learn a task recognition system p 185 A86-28444 of CO, NH3, and H2O p 189 A86-28721 GRAFOVA, V. A. p 439 N86-32994 Infrared spectral identification of complex organic Effect of inclusion of supplementary ascorbic acid in GOODYEAR, C. D. molecules in interstellar grains p 296 A86-38140 Hemodynamic effects of anti-G suit inflation in a 1-G daily diet on degree of vitamin saturation of body and Panspermia - A modern astrophysical and biological thermoresistance of erythrocytes while working in arid environment p 22 A86-12379 p 296 A86-38142 approach The effect of breathing elevated CO2 gas mixtures on GREENBERG, R. M. GRAGG, C. D. tracking performance, blood pressure, and subjective Design guidelines for the use of audio cues in computer tolerance at 1Gz Could anthropometric dummy data be used to predict [AD-A165974] interfaces p 401 N86-31210 injury to humans? p 97 A86-19338 [DE85-015176] p 241 N86-23281 GOPHER, D. GRAHAM, T. E. GREENE, E. R. The psychophysics of workload - A second look at the Skeletal muscle lactate release and glycolytic relationship between subjective performance Noninvasive Doppler determination of cardiac output intermediates during hypercapnia p 155 A86-28124 measures GRANDA, R. E. during submaximal and peak exercise p 260 A86-33804 GORAN, R. Message-based screen interfaces - The effects of p 21 A86-10102 presentation rates and task complexity on operator Hyberbaric oxygen in the treatment of Bell's palsy GREENE, J. G. p 124 N86-19870 performance p 143 A86-23734 Control of exercise hyperpnea during hypercapnia in GORBACH, A. M. GRAPE, P. M. A86-10105 p 7 Thermovisual indicators of brain reactions to visual Drugs of abuse in aviation fatalities. 1: Marijuana GREENLEAF, J. E. [AD-A161911] p 223 N86-24196 p 9 A86-10695 p 206 A86-30892 Exercise hyperthermia as a factor limiting physical GRASMAN, J. Thermoencephaloscopy performance - Temperature effect on Quantitative models describing the kinetics of turnor cell Thermovisual indicators of brain response to visual p 1 A86-10104 proliferation: A comparison to experimental data p 119 N86-19843 Blood pressure and plasma renin activity as predictors p 53 N86-14844 GORBATENKOVA, N. V. CWI-AM-R84181 of orthostatic intolerance p 32 A86-14312 GRASSIA, J. Restraint system for waking Macaca mulatta monkeys Mechanism for negative water balance during during postural tests Generalizing over conditions by combining the multitrait p 280 N86-27898 eightlessness An hypothesis p 91 A86-22664 Mechanisms for negative water balance during weightlessness An hypothesis GORDADZE, N. G. multimethod matrix and the representative design of Morphological changes in some internal organs of experiments weightlessness Immersion or bed rest?

(AD-A1636851

[AD-A161678]

exercise: A general model

GRAUWELS, R.

p 265 N86-25119

p 8 A86-10111

p 176 N86-22098

Plasma levels of renin, angiotensin II, and

Mechanisms of bioenergetic homeostasis during

6-ketoprostaglandin F1-alpha in endurance athletes

Water and electrolytes

hemoglobin-hematocrit,

transformations

[NASA-TM-868341

Effect of hydration on some o haematological responses to head-up tilt

Plasma volume methodology:

and

guinea pigs due to the effect of a constant electromagnetic

Transdermal scopolamine - Human performance and

The importance of specialized cognitive function in the

field

GORDON, C.

side effects

selection of military pilots

p 103 A86-23490

p 163 A86-29094

p 404 N86-30330

GORDON, L

density

p 214 A86-30386

p 376 A86-40660

p 419 A86-49225

p 37 N86-12956

Evans

mass

orthostatic and

p 246 A86-35941

p 177 N86-22100

p 181 N86-21145

p 109 N86-19839

p 161 A86-27474

p 96 A86-19329

p 305 N86-26888

p 199 A86-30437

p 404 N86-30328

p 375 A86-43453

GREENWOOD, F. H. Growth and development of rhesus monkeys exposed GUPTA, R. Evolution of the Shuttle Extravehicular Mobility Unit's to ELF (Extremely Low Frequency) electric and magnetic Sequence of the 16S rRNA gene from the life support system fields during the first 54 months of life thermoacidophilic archaebacterium Suffolobus solfataricus [SAE PAPER 8513331 p 137 A86-23522 [AD-A168733] p 417 N86-32953 and its evolutionary implications GREGOIRE, H. GRITSEVSKIV M A GUREVICH, M. I. An automated methodology for conducting human Influence of complexity of control task on level of Gamma-aminobutyric acid and bulbar mechanisms of factors evaluations of protective garments activation of operators physiological functions when hemodynamic regulation p 268 A86-33817 working with waiting p 221 N86-23260 GURFINKEL, V. S. GREITZER, F. L. GROESENEKEN, D. How does skeletal muscle effectively function both in Operator loading effects in a simulated tactical decision-making problem p 130 A86-23739 Plasma levels of renin, angiotensin II, and 6-ketoprostaglandin F1-alpha in endurance athletes the case of posture maintenance and twitch movements? p 105 A86-24308 p 130 A86-23739 GRIFFIN. B. N. p 8 A86-10111 GURLL N. J. Zero-G simulation verifies EVA servicing of space station The role of endorphins in the pathophysiology of hemorrhagic and endotoxic shock in the subhuman GROH, K. R. modules Multiparameter data acquisition systems for studies of AIAA PAPER 86-23121 p 407 A86-46942 Circadian rhythms primate GRIFFIN G D AD-A1624831 [DE86-0040411 p 398 N86-30308 Production and characterization of antibodies to GUROVSKII. N. N. GROSGOGEAT, Y. benzo(a)pyrene Designing the conditions of life and work of cosmonauts A practical attitude toward ventricular repolarization [DE86-0022041 p 222 N86-23271 (2nd revised and enlarged edition) p 290 A86-38984 abnormalities in flight crews Fiberoptics immunofluorescence spectroscopy for p 282 A86-39773 GURTIN, M. E. chemical and biological monitoring Normal or pathological coronary status - Reflections and On interacting populations that disperse to avoid [DE86-002239] p 225 N86-24209 practical experiences for expertise with flight personnel crowding: The effect of a sedentary colony GRIFFIN, G. R. p 282 A86-39774 [REPT-4] A comparison of dichotic listening task scoring GROSS, D. R. GURZADYAN, G. G. methods Plasma volume and estimated liver plasma flow during Covalent crosslinks between filaments in DNA induced [AD-A159920] p 133 N86-18980 hyperbaric and hyperoxic exposures in awake dogs by laser Multitask performance: Predicting success in Naval n 52 A86-18841 GUSEV, V. M. Aviation primary flight training GROSS, H. G. Interaction between the otolithic organ and the [AD-A168246] p 428 N86-32972 Visibility threshold range observations of LED emergency egress lighting strips and signs through dense semicircular canals of the vestibular apparatus in the GRIFFIN. M. J. system of spatial angular stabilization in humans A design guide for visual displays and manual tasks in smoke and turbid water p 417 A86-47729 A model of the system controlling involuntary eye rovements p 247 A86-36496 vibration environments. Part 1: Visual displays [ISVR-TR-133-PT-1] p 442 GROSS M p 442 N86-33014 Systolic blood pressure in fighter pilots after 12-15 years A design guide for visual displays and manual tasks in p 250 A86-33762 GUSTIN T vibration environments. Part 2: Manual tasks Central serous retinopathy (choroidopathy) in pilots Limb Restraint Evaluator (LRE) ISVR-TR-134] p 443 N86-33015 GUTELL R. R. p 254 A86-36317 GRIFFITH, P. W. Higher-order structure of rRNA GROSSBERG S Computer-based tools for cockpit design GUTIERREZ, C. J. Neural dynamics of perceptual grouping - Textures, p 184 A86-28436 Protein concentration elevations in lungs of mice boundaries, and emergent segmentations GRIFFITHS, L. D. following sudden, transient cephalad (+Gz) acceleration [AD-A1656481 p 70 A86-17352 Exobiology experiments for space station GROZA, P. p 243 A86-30453 GUTOWSKI, W Hypokinezia and space flight reflected on rats Exobiology experiment concepts for space station Division of attention as a function of the number of steps, stomach p 200 A86-30442 p 310 N86-27152 visual shifts, and memory load GRUBER, H. E. GRIGORENKO, Y. V. NASA-TM-88775] Effects of non weight bearing on callus formation Mitochondrial manifestations of stress and response to GÜY. A. W. p 193 A86-30394 hormonal stimulation and hydroaeroions Effects of long-term low-level radiofrequency radiation GRUENER, R. D 84 N86-16885 GRIGOREV, A. I. Simulated hypogravity and synaptogenesis in culture [AD-A159512] Preliminary medical results of the 5-month flight onboard p 194 A86-30401 GÙY. H. J. lyut-7-Sovuz-T GRUNDFEST, W. S. Laser ablation of human atherosclerotic plaque without [IAF PAPER 84-184] p 10 A86-12362 bevond adjacent tissue injury p 91 A86-22711 Periodisation and classification of adaptive reactions of GRUNSTEIN, M. M. man in prolonged space flights GVOZDEVA. N. I. [IAF PAPER 84-185] Opposing hemodynamic effects of substance P on p 10 A86-12363 pulmonary vasculature in rabbits The role of hormonal changes in the development of p 3 A86-12378 motion sickness in man p 216 A86-30896 Changes in the morphological and molecular biological GRIGORYEVA I S processes during early embryo development in amphibians Effect of 7-day immersion hypokinesia on characteristics under micro g conditions p 388 N86-29522 of precision movements p 65 N86-15874 GU. Y.-G. HAASE, H. GRILLS. G. S. Likelihood of high rates of energy deposition in the human legs at the ANSI recommended 3-30-MHz RF safety Early mammalian development under conditions of reorientation relative to the gravity vector cosmonauts lovole p 58 A86-17918 p 194 A86-30399 GUARDINO, A. J. GRINDELAND, R. Attention allocation, distraction, and the type A/Type HAH, S. Rat maintenance in the Research Animal Holding Facility B behavior pattern during the flight of Space Lab 3 p 201 A86-30454 AD-A160671] p 180 N86-21141 patterns Microgravity associated changes in pituitary growth GÙELL, A. HAHN, M. hormone (GH) cells prepared from rats flown on Space Volume regulating hormones p 214 A86-30384 p 202 A86-30459 GUERMAZI, N. Animal studies on Spacelab-3 Gastric and duodenal ulcers and the flight fitness of [NASA-TM-88212] HAIDN, H. p 92 N86-16889 p 113 A86-24509 GRINDELAND, R. E Mitral valve prolapse in a young person - An estimation Ames Research Center life sciences payload - Overview of the risk of arrhythmia - The impact on the flight fitness HAINES, R. F. of results of a spaceflight of 24 rats and 2 monkeys of a pilot p 113 A86-24510 [AIAA PAPER 85-6092] GUILBERT, J. M. p 50 A86-17607 Ames Research Center Life Sciences Payload CNES of France researches remote control system for

GUILLERM R

GULKIS, S.

GUMBAY, R. S.

GUNTER, U.

GUPTA, M. N.

in weightlessness

exposure on rats. Volume 9: Summary p 53 N86-14842 Pulmonary function in microgravity - Spacelab 4 and IAF PAPER 85-322] p 36 A86-15828 Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904 The visual stress model - A psycho-physiological method for the evaluation of operational reliability of pilots and [IAF PAPER 85-326] p 41 A86-15831 Progression-regression effects in tracking repeated p 439 N86-32996 Wet chamber dives to test algorithms for electronic decompressiometers p 125 N86-19878 Operational experiences with night vision goggles in helicopter low-level flight at night p 293 N86-26805 Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 Displacement thresholds in central and peripheral vision during tracking p 378 A86-41782 HALEY, J. L., JR. Dynamics of head protection (impact protective comparison of the SPH-4 flight helmet to a commercial motorcycle helmet) [AD-A161164] p 154 N86-19945 HALL-CRAGGS, E. C. B. Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat p 49 A86-16901 HALL, G. E. Role of carbonic anhydrase in bone resorption induced by 1,25 dihydroxyvitamin D3 in vitro p 375 A86-43449 Role of carbonic anhydrase in bone resorption induced

by prostaglandin E2 in vitro

p 75 N86-15444

p 125 N86-19882

p 310 N86-26912

p 3 A86-12378

p 57 N86-15881

p 11 A86-12430

Ultrasonic detection of circulating bubbles in ewes

Opposing hemodynamic effects of substance P on

Determination of increment of Bacillus subtilis biomass

Medical evaluation of cosmonauts - 'Acceleration'

exposed to simulated dives deeper than 800 msw under

isobaric conditions and with unchanged gas mixtures

Goldstone field test activities: Sky survey

pulmonary vasculature in rabbits

monkove

GRINER, T. A.

[AD-A168733]

[AD-A168547]

GRISSETT, J. D.

realistic model bones

performance in tactical aviation

[AIAA PAPER 86-0583]

Overview of results of a spaceflight of 24 rats and 2

Osteocalcin as an indicator of bone metabolism during

Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic

A comparison of the specific absorption rate in a

Relationship of cardiopulmonary fitness to flight

homogeneous man model and a man model containing

fields during the first 54 months of life

p 79 A86-19963

p 205 A86-30474

p 417 N86-32953

p 424 N86-32960

p 401 N86-30326

PERSONAL AUTHOR INDEX HALL J. B., JR. Environmental Control and Life Support Systems technology options for Space Station application [SAE PAPER 851376] p 140 A86-23559 HALL L M. Rationalization of some genetic anticodonic assignments p 189 A86-28723 Chirally selective, intramolecular interaction observed in an aminoacyl adenylate anhydride p 372 A86-41046 Intramolecular interactions in aminoacyl nucleotides: Implications regarding the origin of genetic coding and protein synthesis p 302 N86-26873 The anthropic principle - Probability and the possibility of extraterrestrial life [IAF PAPER 85-468] p 48 A86-15921 HALL, R. B. Human factors in rule-based systems [AD-A165309] p 295 N86-26840 Mental models and problem solving with a knowledge-based expert system [AD-A165398] p 295 N86-26843 HALL S. B. The human role in space: Technology, economics and optimization p 272 A86-37037 HALL, W. R. Standardization of carbon-phenolic composite test methodology HALLENBECK, J. M. p 243 N86-24527 Electrocardiographic changes in serious decompression [AD-A1609441 p 2 A86-10254 Effects of pressure on uptake and release of calcium by brain synaptosomes p 247 A86-36225 Spinal cord decompression sickness - A comparison of p 247 A86-36225 recompression therapies in an animal model

Device for rapid quantification of human carotid baroreceptor-cardiac reflex responses p 162 A86-28125 HALLORAN, B. P. Bone loss during simulated weightlessness - Is it glucocorticoid mediated? p 197 A86-30423
Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425

HALLIDAY, H. C.

p 372 A86-41784

HALSTEAD-NUSSLOCH, R. Message-based screen interfaces - The effects of presentation rates and task complexity on operator performance p 143 A86-23734

Summaries of 1984-85 NASA space-gravitational oiology accomplishments [NASA-TM-88379] p 107 N86-18950

HAMANN, R. J.

Design techniques for robots - Space applications p 183 A86-28074 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903 Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p 47 N86-13904

Study on design techniques for robots (space applications). Volume 3: Executive summary [FOK-TR-R-84-110-VOL-3] p 47 N86-13905 HÂMEL, W. R.

Power and signal transmission for mobile teleoperated [DE85-013994] p 45 N86-12975 Future directions in mobile teleoperation

[DE85-014308] p 46 N86-12976 HAMELYNCK, K. J. Early detection and treatment of avascular bone necros

p 124 N86-19872 HAMES, P. S. Reverse osmosis water purification system

p 384 N86-28291 HAMILTON, D. Naloxone enhances motion sickness - Endorphins

p 395 A86-44088 HAMILTON, P. T. Sequence divergence of an archaebacterial gene cloned

from a mesophilic and a thermophilic methanogen p 104 A86-23999

HAMILTON, P. V. Visual capabilities related to fighter aircrew performance in the F-14 and adversary aircraft p 400 N86-30320 Vision test battery threshold and response time as predictors of air-to-air visual target acquisition in F-14 and p 400 N86-30321

HAMILTON, R. W.

Repetitive decompression tables for no-stop excursions from saturation p 125 N86-19876 HAMLET, M. P.

Platelet-endothelial function in relation to environmental [AD-A160744] p 116 N86-18970 HAMM, R. M.

Moment by moment variation in the cognitive activity of experts [AD-A159466] p 71 N86-14893

Generalizing over conditions by combining the multitrait multimethod matrix and the representative design of experiments [AD-A163685]

p 265 N86-25119 HAMMER, J. M. Aiding the operator during novel fault diagnosis

p 426 A86-49633 Pilot interaction with automated airborne decision making systems [NASA-CR-177002] p 385 N86-29508

Pilot interaction with automated airborne decision making systems [NASA-CR-176986] p 408 N86-31218

Comparison between meteorological complex values and a model of man's energy budget

p 169 N86-21059

HAMMOND, K. R. Generalizing over conditions by combining the multitrait multimethod matrix and the representative design of

experiments p 265 N86-25119 HAMMOND, M. D.

Pulmonary gas exchange in humans during exercise at p 281 A86-39095 HAMMOND, R. A.

Evolutionary paths for artificial intelligence technologies in operator interactions with space station robots

HAMPE, P. Wet chamber dives to test algorithms for electronic decompressiometers p 125 N86-19878

Postradiation regional cerebral blood flow in primates

p 373 A86-41786 HANCOCK, A. T. Evaluation of water sterilizing tablets

AD-A1658061 p 385 N86-28622 HÀNCOCK, P. Á

Physiological reflections of mental workload p 41 A86-14321

The effect of skill on performance under an environmental stressor p 94 A86-20408 Zonal differentiation of performance under heat stress p 251 A86-33801

Knowledge-based load leveling and task allocation in uman-machine systems p 437 N86-32985 human-machine systems The effects of stress on attentional resources

p 437 N86-32986

Biochemical and morphological evaluation of the effects of space flight on rat salivary glands p 204 A86-30468

HANEY, L. N. Process of task analysis [DE86-008183] p 409 N86-31225

HANKE . The absorption of benzene through human skin

[AD-A161157] D 127 N86-19894 HANKE, K. Particular

problems of airworthiness from ophthalmological view p 283 N86-26812 New glasses for presbyopic pilots

p 294 N86-26836

p 8 A86-10253

p 283 N86-26814 HANKINS, W. W., III Baseline experiments in teleoperator control

HANN, R. L. The use of brain evoked response in a critical event detection task p 261 A86-33819

HANNAH, K. Performance and physiological effects of acceleration-induced (+Gz) loss of consciousness

HANNAK, K.

[NASA-TP-2547]

Increased gluconeogenesis in rats exposed to hyper-G p 52 A86-18397 Increased gluconeogenesis in rats exposed to hyper-G p 103 A86-23311 HANNAN, P. J.

Advantages of the gas exchange approach to microbiological studies [AD-A166887] p 393 N86-31207 HANNON, J. P.

A multi-isotope procedure for simultaneously estimating the volume of body fluid compartments of swine [AD-A159631] D 64 N86-14881

HANSEN, O. K.

Shadow mask display visibility - Human thresholds for perception of misconvergence effects p 268 A86-33798

HANSON, G.

Comparison of the STI NIPIP tracking dynamics identification with the on-line Fourier analyzer DFA results including a time varying case P 442 N86-33010 HANSON, J. F.

Test anxiety in the simulator environment

p 231 A86-29910 HANSON, L. K.

Experimental, structural and theoretical models of bacteriochlorophylls a, d and g DE86-0017271

p 158 N86-21101 HARBESON, M. M.

Assessing the human performance envelope - A brief [SAE PAPER 851776] D 263 A86-35428 HARDING, R.

Physiological problems of ascent to altitude

p 376 A86-40566 HARFORD, F. J., JR.

Calcified hematoma of the greater omentum in an F-15 fiahter pilot HARGENS, A. R.

Transient dehydration of lungs in tail-suspended rats p 200 A86-30438 Microvascular flow adjustments with postural changes

D 215 A86-30448 HARGETT, C. E., JR.

A chinchilla restraint system [AD-A1674081

p 416 N86-32084 HARGREAVES, M.

Muscle metabolism during exercise in the heat in

unacclimatized and acclimatized humans p 36 A86-16051 HARGROVE, J. L.

Hepatic enzymes of sphingolipid and glycerolipid biosynthesis in rats from Spacelab 3

p 205 A86-30475 Hepatic enzyme adaptation in rats after space flight p 205 A86-30476

HARLFINGER O Human bioclimatic classification methods illustrated with examples of selected countries p 169 N86-21058 HARMAN, C.

Evaluation of helmet display formats

p 184 A86-28440 HARP, S. A.

Sensitivity to visual motion in statistically defined displays [AD-A167291] D 405 N86-31217 HARPER, H. P

The role of flight simulation in helicopter crew station design [SAE PAPER 851900]

p 272 A86-36940 HARRINGTON, T. L. Contributions to workload of rotational optical

transformations [NASA-CR-176542] p 171 N86-21106 HARRIS, D. J.

Some dominant frequencies of postural tremor are lower p 122 N86-19859

HARRIS, R. L., SR. Effects of digital altimetry on pilot workload

[SAE PAPER 841489] p 132 A86-26019 p 178 A86-28452 Visual scanning behavior p 178
Effects of digital altimetry on pilot workload

[NASA-TM-86424] p 42 N86-13892 Analytical techniques of pilot scanning behavior and their

[NASA-TP-2525] p 292 N86-27920

HARRISON, A. A. Psychological and interpersonal adaptation to Mars missions

[AAS 84-186] p 179 A86-28812 Implications of privacy needs and interpersonal distancing mechanisms for space station design [NASA-CR-176938] p 408 N86-30338

HARRISON, D. C. Effects of simulated weightlessness on regional blood flow specifically during cardiovascular stress

[NASA-CR-177117] p 379 N86-29495 HARRISON, G.

Headache at high altitude is not related to internal carotid arterial blood velocity p8 A86-10108

HARRISON, G. L. Low acute hypoxia ventilatory response and hypoxic

depression in acute altitude sickness p 252 A86-36224

HARRISON, M. A.	HASIN, Y.	HEINZ, E.
Red light shifts the locus and rate of gravitropic curvature	Heat acclimation - Cardiac performance of isolated rat	Coupling between the bacteriorhodopsin photocycle and
in etiolate pea epicotyls p 196 A86-30413	heart p 82 A86-22663	the protonmotive force in Halobacterium halobium cell
HARRISON, M. H.	HASLAM, J. W., JR.	envelope vesicles. III - Time-resolved increase in the transmembrane electric potential and modeling of the
Blood pressure and plasma renin activity as predictors of orthostatic intolerance p 32 A86-14312	The system integration and verification testing of an orbital maneuvering vehicle for an air bearing floor	associated ion fluxes p 373 A86-43433
Effect of hydration on plasma vasopressin, renin, and	[NASA-CR-178350] p 242 N86-24217	HELD, J. J.
aldosterone responses to head-up tilt	HASTINGS, J. W.	Improved flexibility of an EVA glove
p 253 A86-36311	The elusive mechanism of the circadian clock	p 433 A86-48713
Water and electrolytes p 376 A86-40660	p 82 A86-22650	HELGERSON, S. L.  Coupling between the bacteriorhodopsin photocycle and
Effect of hydration on some orthostatic and haematological responses to head-up tilt	HASWELL, M. S.	the protonmotive force in Halobacterium halobium cell
p 419 A86-49225	Non-invasive physiologic brain monitoring in USAF	envelope vesicles. III - Time-resolved increase in the
HARRISON, W. A.	operational environments p 85 A86-19332 Influence of inspired oxygen concentration on	transmembrane electric potential and modeling of the
A new application of adaptive noise cancellation	acceleration atelectasis	associated ion fluxes p 373 A86-43433
p 99 A86-22626	[AD-A168540] p 253 A86-36313	Transient proton inflows during illumination of anaerobic Halobacterium halobium cells p 374 A86-43436
HART, H. M.  The retrieval, storage, and recycling of water for a	Effect of oxygen flow on passenger face mask	HELLE, D. K.
manned base on Mars	performance	Examination of retinal pattern threshold levels and their
[AAS 84-180] p 186 A86-28806	[AD-A168832] p 443 N86-33021	possible effect on computer access control mechanisms
HART, L. G.	HATTON, P. D.	[AD-A161213] p 128 N86-19895
Wearing contact lenses in Space Shuttle operations	Calcified hematoma of the greater omentum in an F-15 fighter pilot p 9 A86-10262	HELMREICH, R. L.  Cockpit resource management - Exploring the
p 60 A86-18845	HAUN, C. C.	attitude-performance linkage p 229 A86-29899
Memory and subjective workload assessment	The experimental determination of safe atmospheric	HEMMERSBACH, R.
p 437 N86-32983	exposure concentrations of JP-10 jet fuel	Investigations of the effects of gravity on Paramecium
HART, S. G.	[AD-A163179] p 258 N86-25985	caudatum structure and behavior
Inflight evaluation of four measures of pilot workload	HAUSER, J. R.	[DFVLR-FB-85-40] p 56 N86-15863
p 130 A86-23745 Predicted versus experienced workload and	Inflight evaluation of four measures of pilot workload	Influence of gravity on structure and behavior of Paramecium caudatum
Predicted versus experienced workload and performance on a supervisory control task	p 130 A86-23745	[ESA-TT-963] p 416 N86-32087
p 227 A86-29879	HAUSSLER, M. R. 1,25-Dihydroxyvitamin D3 receptors in space-flown vs.	HEMMERT, M. K.
Measuring pilot workload in a motion base trainer - A	grounded control rat kidneys p 204 A86-30472	Effects of detraining on cardiovascular responses to
comparison of four techniques p 239 A86-29880	HAVENITH, G.	exercise - Role of blood volume p 91 A86-22665
The effect of varying task difficulty on subjective workload p 261 A86-33808	Individual parameters in thermoregulatory control; a	HENDERSON, D. E.  Reconfigurable work station for a video display unit and
workload p 261 A86-33808 Levels of Information Processing in a Fitts law task	review	keyboard
(LIPFitts) p 436 N86-32980	[IZF-1985-26] p 283 N86-26801	[NASA-CASE-MFS-26009-1SB] p 188 N86-22114
The effects of stimulus modality and task integrality:	HAY, R. P. Improvements and modifications to naval helicopter	The system integration and verification testing of an
Predicting dual-task performance and workload from	helmets and modifications to have helicopter	orbital maneuvering vehicle for an air bearing floor
single-task levels p 436 N86-32981	HAYES, C.	[NASA-CR-178350] p 242 N86-24217 HENDLER, E.
HARTGRAVES, S. L.  Mesolimbic and nigrostriatal dopaminergic systems:	Microgravity associated changes in pituitary growth	Anti-G suit protection and body position
Behavioral neuropharmacology	hormone (GH) cells prepared from rats flown on Space	p 432 A86-47764
[AD-A160821] p 136 N86-19900	Lab 3 p 202 A86-30459	HENDRICKSON, J.
HARTLE, D. K.	HAYES, J. M.	The saccadic eye movement control system
Atriopetin (AP-3) in atria and plasma of rats orbited	Isotopic study of the inhalation toxicology of oxidants [PB86-109485] p 256 N86-25116	p 267 A86-33797
aboard NASA Spacelab (SL3) for seven days p 205 A86-30477	Isotopic, petrologic and biogeochemical investigations	HENDY, K. C.  A graphic anthropometric aid for seating and workplace
Plasma renin concentration (PRC) of rats orbited for 7	of banded iron-formations p 305 N86-26885	design
days aboard NASA Spacelab 3 p 205 A86-30478	HAYWARD, J. S.	[AD-A156988] p 23 N86-10788
HARTLEY, C. S.	A comparison of the protection against immersion	HENLEY, I.
Characterization of good teleoperators - What aptitudes,	hypothermia provided by Coast Guard anti-exposure	Student pilot stress - An emotional barrier to efficient
interests, and experience correlate with measures of teleoperator performance p 268 A86-33828	clothing in calm versus rough seas [AD-A158413] p 75 N86-14898	flight training p 231 A86-29912 HENNEMAN, T. A.
teleoperator performance p 268 A86-33828 HARTMAN, B. O.	[AD-A158413] p 75 N86-14898 HEAD, J. D.	The technology impact of the Advanced Technology
Reliability of military pilots - Problems and prospects	Experimental, structural and theoretical models of	Crew Protection (ATCP) system on high performance
p 227 A86-29884	bacteriochlorophylls a, d and g	aircraft p 406 A86-44779
HARTMAN, H. H.	[DE86-001727] p 158 N86-21101	HENRIKSEN, E. J.  Responses of skeletal muscle to unloading - A review
Origin of life and iron-rich clays p 300 N86-26866 HARTMANN, R.	HEARD, J. G.	p 192 A86-30379
Determination of increment of Bacillus subtilis biomass	Response of enlarged alveolar vessels to acute	Response of rat hindlimb muscles to 12 hours recovery
in weightlessness p 57 N86-15881	hypoxia p 378 A86-41785 HEARON, B. F.	from tail-cast suspension p 198 A86-30426
HARTZELL, E. J.	Psychomotor performance after forward-facing impact	Possible mechanism for changes in glycogen
To speak or not to speak - A multiple resource	p 32 A86-14310	metabolism in unloaded soleus muscle p 198 A86-30427
perspective p 259 A86-33784 HARVEY, W. T.	Effect of seat cushions of human respone to +Gz	Responses of amino acids in hindlimb muscles to
An updated model for a Space Station Health	impact p 145 A86-25652	recovery from hypogravity and unloading by tail-cast
Maintenance Facility	Comparison of human impact response in restraint	suspension p 202 A86-30456
[AIAA PAPER 86-2303] p 397 A86-46938	systems with and without a negative G strap p 249 A86-33754	Muscle protein and glycogen responses to recovery from
HARVEY, J. S., JR.	•	hypogravity and unloading by tail-cast suspension
Aldosterone, cortisol, and electrolyte responses to hypobaric hypoxia in moderate-altitude natives	HEBER, D.  Lactate, pyruvate, and lactate-to-pyruvate ratio during	p 202 A86-30457 HENRIKSSON, C.
p 32 A86-14316	exercise and recovery p 8 A86-10110	Biological effects of millimeter waves on the mouse
HARVEY, L. O., JR.	HEE, J.	[FOA-C-50023-H1] p 83 N86-16879
Sensitivity to phase distortions in central and peripheral	Ultrasonic detection of circulating bubbles in ewes	HENSON, J.
vision p 133 A86-26294 HARVEY, W. T.	exposed to simulated dives deeper than 800 msw under	Intracellular pH shift leads to microtubule assembly and
Decompression sickness and intravenous bubble	isobaric conditions and with unchanged gas mixtures p 125 N86-19882	microtubule-mediated motility during sea urchin fertilization
formation using a 7.8 psi simulated pressure-suit	HEGEDUSICH, D.	<ul> <li>Correlations between elevated intracellular pH and microtubule activity and depressed intracellular pH and</li> </ul>
environment p 85 A86-19347	Interactive scenario computer model for dose rates to	microtubule disassembly p 82 A86-22709
Minimum pressure for a zero-prebreathe pressure suit	aircrews in flight through nuclear debris clouds	HEPPNER, D. B.
[SAE PAPER 851315] p 137 A86-23505 HARZ, D.	[AD-A158741] p 40 N86-13888	Space Station Environmental Control/Life Suppor
Determination of increment of Bacillus subtilis biomass	HEID, K. R. Accidental exposure to americium	System engineering
in weightlessness p 57 N86-15881	[DE85-012794] p 39 N86-12965	[SAE PAPER 851375] p 140 A86-2355
HASAN, K.	HEINMETS, F.	Environmental control/life support system for Spac Station p 407 A86-4569
Hyberbaric oxygen in the treatment of Bell's palsy	Effects of psychotropic drugs on thermal responses to	HERBISON, G. J.
p 124 N86-19870 HASEGAWA, H.	radiofrequency radiation p 59 A86-18838	Muscle atrophy during space flight - Research need
Biochemical responses of Xenopus laevis muscles to	HEINRICH, M.  Considerations in the design of life sciences research	and opportunities p 255 A86-3707
changes in environment. II - Responses to gravity and	facilities for the Space Station p 200 A86-30441	HERBST, E.
pressure p 415 A86-50289	HEINTZMAN, R. J.	Interstellar isomers p 298 N86-2684
HASENSTEIN, KH.	Future directions for cost effective Air Force aircrew	HERCHER, M.
The calcium dependence of auxin action in roots p 197 A86-30421	training - Managed technology and the training system	Rapid identification of micro-organisms [AD-A159945] p 107 N86-1895
p 187 A00-30421	p 262 A86-33830	[MD-M100040] P 101 1100-1000

HERNDON, J. N. Mechanical accessories for mo	obile teleope	erators
[DE85-014310] Human factors activities in tele	p 23 operator de	N86-11855 velopment at
the Oak Ridge National Laborato [DE86-005160]	ry	
HERRING, B. E.	-	N86-30340
Applicability of using the CAR evaluation of multioperator wor	-II model in	design and
controls		A86-33805
HERRON, D. M. Hypobaric training of flight	ht person	nel without
compromising quality of life HERTWIG, I.	p 401	N86-30327
Morphology and developme		
Anurans HESS, R. A.		N86-29529
A unifying approach to human	pilot modelli p 241	ing A86-33187
A model of the human's use		eld cues in
nap-of-the-earth flight [AIAA PAPER 86-2252]	p 426	A86-47498
A model for the human's use nap-of-the-Earth flight		ield cues in N86-33004
HESSE, T.  Determination of increment of E		
in weightlessness		N86-15881
HETTINGER, L. J.  The influence of preview period	and global	optical flow
rate on sensitivity to loss in speed	d of self mo	tion
Increasing sensitivity to optical	p 230 I information	A86-29901 specifying
loss in altitude HICKMAN, J. R., JR.	p 230	A86-29904
Cardiovascular standards for se high performance pilots in the USA	election and	retention of
next decade	Ar: Perspec p 399	N86-30313
HIGASHIDA, Y. MTF's and Wiener spectra of r.	adiographic	screen-film
systems. Volume 2: (Including sp and screen-film systems)	eeds of sc	reens, films
[PB86-184934]	p 380	N86-29501
The effect of leakage on the	insulation o	rovided by
immersion-protection clothing HIGGINS, E. A.		A86-14320
Some effects of alcohol and	simulated	altitude on
complex performance scores readings	and bre	athanalyzer
[AD-A158925] Evaluation of a passenger m	p 68	N86-15905
repreatner bag for protection from	om smoke	and fumes
[AD-A162473] HIGHTOWER, J. D.		N86-22116
Research issues in teleoperator		A00 00705
HILCHEY, J.	•	A86-23735
Space Station life sciences gui experiment accommodation	idelines for	nonhuman
[SAE PAPER 851370] HILCHEY, J. D.	p 104	A86-23553
Space Station life science re	search fa	cility - The
vivarium/laboratory HILHORST, D.		A86-30449
On interacting populations the crowding: The effect of a sedenta	at dispers	e to avoid
[REPI-4]		N86-21145
HILL, L. C.  Effect of hydration on plasma v	asopressin.	renin and
aldosterone responses to head-up	tilt	
Effect of hydration on so	me orthos	A86-36311 static and
haematological responses to head		A86-49225
On marching to two different d	•	
aspects of the difficulties	p 426	Perceptual A86-49870
HILL, S. G. Preferred declination of the line	of sight	
HILLS, B. A.		A86-45014
Compatible atmospheres for a spa	ace suit, Spa	ce Station,
and Shuttle based on physiological	principles	A86-14311
HIMMENS, I. A.	•	
Performance comparison of thir regulators	ty, two-stag	e demand
[ARE(M6)-TM-83818] HINDS, W. E.		N86-17987
Microbiological management of [AIAA PAPER 85-6090]		
HINGHOFER-SZALKAY, H.		A86-14386
Volume and density changes of temperature	p 79	ARR_20001
Continuous blood densitometry - F hemorrhage in animals	luid shifts a	fter graded
	p 392	486-45251

```
HORNECK, G.
      Method of high-precision microsampled blood and
                                                              HOGUE J R
    plasma mass densitometry
                                      D 419 A86-49250
                                                                  Manual control of unstable systems
     Fluid and protein shifts after postural changes in
                                                                                                   p 441 N86-33008
                                      p 421
                                             A86-49523
                                                              HOH R H
     Plaeme
               volume methodology:
                                           Evans blue
                                                                  Assessment of simulation fidelity using measurements
    hemoglobin-hematocrit,
                           and
                                       mass
                                                 density
                                                                of piloting technique in flight. II
    transformations
                                                                                                   p 264 A86-35667
                                                              HOIBERG A
   [NASA-TM-86834]
                                       p 37 N86-12956
                                                                  Longitudinal study of cardiovascular disease in U.S. Navy
  HINMAN, E.
     Characterization of good teleoperators - What aptitudes,
                                                                                                   p 253 A86-36314
                                                                  Assessing the health risks of carrier landings in US Navy
   interests, and experience correlate with measures of teleoperator performance p 268 A86-33828
                                                                AD-A1609281
  HINTON .L I
                                                                                                   n 127 NAS-19891
                                                              HOLDEN, R. D.
     The BAe D target acquisition model ORACLE: An
                                                                  Development of a portable oxygen system analyzer
   overview, 1984
[BAE-JS-10009]
                                                                                                   D 430 A86-47742
                                      p 221 N86-23268
                                                                 Effect of oxygen flow on passenger face mack
  HIRSCH, R. P.
     Bioimpedance measurement with respect to pulsatile
                                                               [AD-A1688321
                                                                                                   p 443 N86-33021
   pulmonary blood flow
                                      p 271 A86-36316
                                                             HOLICK, M.
 HIXSON, J. S.
                                                                 Calcium and vitamin D metabolism in submariners:
     Medical technology in space - Foreseeable economic
                                                                Carbon dioxide, sunlight and absorption considerations
                                      p 155 A86-27878
                                                                [AD-A166292]
 HJEMDAHL, P.
                                                                                                  p 398 N86-30306
                                                              HOLL J. A.
     Epinephrine-induced changes in muscle carbohydrate
                                                                 Comparison of the Air Force female and male pilot
   metabolism during exercise in male subjects
                                                                grounded time in the Air Force Military Airlift Command
                                     p 280 A86-39092
                                                               [AD-A1580931
                                                                                                   p 68 N86-15902
 HOAGLAND, M. R.
                                                             HOLLAND, H. D.
     Winging it in the 1980's - Why guidelines are needed
                                                                 Paleosols and the chemical evolution of the
   for cockpit automation
                                                               atmosphere
   [SAE PAPER 841634]
                                                                                                  p 301 N86-26870
                                      p 147 A86-26022
                                                             HOLLAND, L. M.
 HÖBISH, M. K.
                                                                 Aerosol deposition along the respiratory tract at zero
     Synthesis and analysis in studies of chemical
                                                               gravity - A theoretical study p 213
DNA analysis of epithelial cell suspensions
                                                                                                 p 213 A86-30169
   evolution
                                     p 300 N86-26864
 HOCHACHKA, P. W.
                                                               [DE86-002403]
     Defense strategies against hypoxia and hypothermia
                                                                                                  p 249 N86-25977
                                                              HOLLAND, R. L.
                                       p 81
                                             A86-22258
                                                                 Effects of raised body temperature on reasoning,
 HOCHHEIMER, B. F.
                                                               memory, and mood
                                                                                                   p 86 A86-20002
     Nonionizing radiation damage in the eye
                                                             HOLLINGSWORTH, M. A.
                                     p 251 A86-33838
                                                                 The design, fabrication and delivery of a manipulator
 HOCHSTEIN, L I.
                                                               foot restraint mockup for space telescope development
     Dicyclohexylcarbodiimide-sensitive
                                          ATPase
                                                               testing
[NASA-CR-178837]
   Halobacterium saccharovorum
                                      p 49 A86-16902
                                                                                                  p 272 N86-25121
     Halobacterium denitrificans sp. nov., an extremely
                                                             HÖLT, G. W.
   halophilic denitrifying bacterium
                                    p 374 A86-43438
                                                                Airline pilot disability - The continued experience of a
    Halobacterium denitrificans sp. nov. - An extremely
                                                               major U.S. airline
                                                                                                    p 8 A86-10251
   halophilic denitrifying bacterium
                                     p 414 A86-49524
    is the ATPase from halobacterium saccharovorum an
                                                                Decompression outcome following saturation dives with
   evolutionary relic?
                                     p 306 N86-26891
                                                               multiple inert gases in rats
 HODEL, S.
                                                               [AD-A163720]
                                                                                                   p 28 A86-16054
    A comparison of operator performance in manual and
                                                                 How well mixed is inert gas in tissues?
  automated versions of a dynamic decision-making task
                                                                                                  p 391 A86-44197
                                     p 262 A86-33825
                                                             HONG, S. K.
 HODGDON, J. A.
                                                                Cardiorenal-endocrine responses to head-out immersion
    A comparison of the effects of circuit weight training
                                                                                                   p 91 A86-22666
  on men and women
                                                             HOOKE I R
  [AD-A159419]
                                                                 USSR Space Life Sciences Digest, Issue 2
                                      p 69 N86-15910
                                                               [NASA-CR-3922(02)]
    Changes in fitness and shipboard task performance
                                                                                                   p 28 N86-12949
  following circuit weight training programs featuring
                                                               USSR Space Life Sciences Digest, issue 3
[NASA-CR-3922(03)] p 106
  continuous or interval running
                                                                                                  p 106 N86-18949
                                                               USSR Space Life Sciences Digest, issue 4
[NASA-CR-3922(04)] p. 209
  [AD-A163110]
                                     p 225 N86-24206
 HÖDGSON, K.
                                                                                                  p 209 N86-23218
                                                                 USSR Space Life Sciences Digest, issue 5
    Small X-ray diffraction of immunoglobulin-membrane
                                                               [NASA-CR-3922(05)]
                                                                                                  p 248 N86-25109
  complexes
                                                                USSR Space Life Sciences Diges: Index to Issues 1-4
  [AD-A158252]
                                      p 29 N86-13882
                                                               [NASA-CR-3922(06)]
HOEFNAGEL, C. A.
                                                                                                 p 248 N86-25971
                                                                USSR Space Life Sciences Digest, Issue 6
    Early detection and treatment of avascular bone necrosis
                                                               [NASA-CR-3922(07)]
                                                                                                 p 277 N86-27864
  in divers
                                    p 124 N86-19872
                                                              USSR Space Life Sciences Digest, issue 7
[NASA-CR-3922(08)] p 416
HOEKSTRA, G. J.
                                                                                                 p 416 N86-32083
    Dynamic behaviour of spherical and aspherical contact
                                                             HOOVER, M. J.
  lenses exposed to +Gz-acceleration forces
                                                                Diatoms on earth, comets, Europa and in interstellar
                                     p 294 N86-26816
                                                               space
                                                                                                 p 410 A86-44354
                                                            HOOVER, R. B.
    Application of a nonstationary energy budget model to
                                                                Diatoms on earth, comets, Europa and in interstellar
  determine thermal comfort
                                    p 164 N86-21017
                                                               space
                                                                                                 p 410 A86-44354
HOFFLER. G. W.
                                                            HOPPELER, H.
    Cardiovascular responses of women to lower body
                                                                Physiological profile of world-class
                                                                                                      high-altitude
  negative pressure
                                    D 377 A86-41779
                                                                                                 p 281 A86-39098
HOFFMAN, A. H.
                                                            HORDINSKY, J.
                                                                Hemodynamic response to LBNP following 2 hours HDT
    The WPI space glove design project
                                                              (-6 deg)
                                    p 383 A86-40522
                                                                                                 p 252 A86-36309
p 383 A86-40521
HOFFMAN, D. C.
                                                                EVA suit glove design
                                                            HORIUCHI, S.
    On the use of a bubble formation model to calculate
                                                                Detection of system failure by human operator. I - The
  diving tables
                                    p 114 A86-25658
                                                              case of monitor
HOFFMAN, P. J.
                                                                                                 p 403 A86-43535
                                                            HORMAN, R. L.
    Man-machine systems of the 1990 decade: Cognitive
                                                                Impact of the human on system safety analysis
  factors and human interface issues
                                                              [DE86-008182]
  [AD-A163865]
                                                                                                 p 409 N86-31224
                                    p 273 N86-25123
HOFFMAN, S. E.
                                                               Functional development of gravity receptors in insects
   Submarine hydrothermal vents and associated gradient
                                                              and amphibians
                                                                                                 p 389 N86-29527
  environments as sites for the origin and evolution of lif
                                                                Program draft for a special field: Gravitational biology
```

D 48 A86-14123

p 133 A86-26298

Suppression of visible persistence in apparent motion

HORNECK, G.

Exobiological aspects in view of Titan

HOGBEN, J. H.

p 390 N86-29532

p 387 N86-28868

HORNING, T.	HUBBARD, R.	IANOVSKAIA, A. S.
Experimental, structural and theoretical models of	A system of rat restraint using a cone-shaped, plexiglass and stainless steel rod cage	Cytochemical studies of blood lymphocytes in the
bacteriochlorophylls a, d and g [DE86-001727] p 158 N86-21101	[AD-A158428] p 83 N86-16876	diagnosis and forecasting of changes in the functional status of athletes p 89 A86-22540
HOROWITZ, J.	HUBBARD, R. W.	IASHUNSKII, V. G.
Oxygen consumption during cold exposure at 2.1 G in	Plasma hormonal responses at graded hypohydration	Investigation of mechanisms of the radioprotective effect
rats adapted to hypergravic fields p 199 A86-30432 HOROWITZ, M.	levels during exercise-heat stress [AD-A164941] p 86 A86-20004	of agonists of catecholamine receptors - Involvement of both subtypes of alpha-adrenoreceptors in the
Heat acclimation - Cardiac performance of isolated rat	An atropinized heat-stressed rat model: Anticholinergic	radioprotective effect p 208 A86-32698
heart p 82 A86-22663	and anticholinesterase drug potency	IBANEZ, P.
HORRIGAN, D. J., JR. Physiological considerations for EVA in the Space	[AD-A157620] p 6 N86-11832	Radiographic determination of mass of inertial tensors of anatomical segments
Station era	Heat acclimatization developed during summer running in northeastern United States	[AD-A168581] p 425 N86-32961
[SAE PAPER 851313] p 111 A86-23504	[AD-A162728] p 177 N86-22102	IBRAGIMOV, IU. I.
HORST, R. L.  Event-related potential indices of workload in a single	Urinary and hematological indices of hypohydration	Resistance, exchange and capacitance functions of skeletal muscle vessels in the presence of acute hypoxic
task paradigm p 130 A86-23733	[AD-A165015] p 289 N86-27917	hypoxia p 81 A86-22593
Processing inferences derived from event-related	HUDSON, D. E.  The new ANSI RF radiation exposure standard - Its	IBRAGIMOV, Y. I.
potential measures in a monitoring task p 262 A86-33822	background and impact p 371 A86-40519	Resistance, exchange, and capacitance functions of skeletal muscle vessels in acute hypoxic hypoxia
HORTON, E. D.	HUDSON, N. R.	p 379 N86-28611
Effect of elevated FFA on carbohydrate and lipid	Automation in the cockpit - Who's in charge?	IGARASHI, M.
oxidation during prolonged exercise in humans p 215 A86-30679	[SAE PAPER 841534] p 146 A86-26005 HUFF, W. B.	Vestibular and visual control on posture and locomotor equilibrium p 183 A86-27671
HOSHIZAKI, T.	Glucocorticoid antagonism by endotoxin: Biological	Morphogenesis and calcification of the statoconia in the
Closed culture plant studies: Implications for CELSS	effects during stress and basis for inhibition of	chick (Gallus domesticus) embryo - Implications for future
p 152 N86-19937	phosphoenolpyruvate carboxykinase	studies p 195 A86-30405
The effect of ultradian and orbital cycles on plant growth p 153 N86-19940	[AD-A160740] p 116 N86-18969 HUFFAKER, R. C.	Development of otoconia in the embryonic chick (Gallus domesticus) p 414 A86-49871
HOTRON, J. R.	Effects of NO3(-) and NH4(+) and urea on each other's	IGNATENKO, M.
Acute toxicity studies on 2 Air Force hydraulic fluids	uptake and incorporation p 152 N86-19933	Alcohol effects on brain p 64 N86-14887
(MLO 82-233 and MLO 82-585) (AD-A163174) p 258 N86-25984	HUGHES, F. E.	IGNATKIN, V. N.  Medical control of the aircrew during a retraining
[AD-A163174] p 258 N86-25984 HOTTMAN, S. B.	Flight training for Space Shuttle missions p 427 A86-50283	process p 110 A86-23494
Concept flying - A method for deriving unique system	HUGHES, J. M. B.	IGREVSKIY, A. V.
requirements p 143 A86-23738	Somatostatin inhibits the ventilatory response to hypoxia	Dynamics of changes of statistical indicators of heart rhythm of persons with different degree of motion
The use of accident statistics to influence simulator design p 144 A86-23744	in humans p 216 A86-30681	sickness p 12 N86-10743
HOUDE, R. A.	HUGHES, R. E.  Development of an automated anthropometric data	IGUCHI, N.
Speech analysis based on a model of the auditory	measurement system (AADMS) p 144 A86-23748	Changes of flying skills during non-flight periods
system [AD-A167426] p 427 N86-32098	Automated anthropometric data measurement system	p 41 A86-13944 IKAWA, S.
HOUGHTON, J. O.	[AD-D012299] p 443 N86-33017	Biochemical responses of Xenopus Laevis muscles to
Performance and physiological effects of	HUIZINGA, B. E.	changes in environment. I Comparison to Rana
acceleration-induced (+Gz) loss of consciousness p 8 A86-10253	Use of laboratory simulated pyrolysis in tracing the history of sedimentary organic matter	Catesbeiana and exposure to gravic environment p 415 A86-50288
HOUSE, D.	p 304 N86-26884	Biochemical responses of Xenopus laevis muscles to
Factors influencing carboxyhemoglobin stability	HUMPHRESS, G. B.	changes in environment. II - Responses to gravity and
[AD-A165032] p 289 N86-27918	Reliability of military pilots - Problems and prospects p 227 A86-29884	pressure p 415 A86-50289 IKELS, K. G.
HOWALD, H.  Physiological profile of world-class high-altitude	HUMPHRIES, W. R.	A small oxygen concentrator
climbers p 281 A86-39098	Growth evolution of the Space Station ECLSS	[AD-A163145] p 273 N86-25993
HOWARD, A. J.	[AIAA PAPER 86-2313] p 407 A86-46943	ILIANOK, V. A.
An updated model for a Space Station Health Maintenance Facility	HUNT, G. J. F.	Electroencephalograms and the read-out of information in the visual cortex during image recognition
[AIAA PAPER 86-2303] p 397 A86-46938	Professional flightcrew human resource development Developing a Needs Assessment Programme	p 33 A86-15512
HOWELL, L.	p 232 A86-29915	ILIN, V. I.
The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography	HUNT, L. T.	The effect of electromagnetic radiation in the decimeter wavelength range on the neuronal calcium current in
p 58 A86-18547	New perspectives on bacterial ferredoxin evolution p 2 A86-12001	mollusks p 247 A86-36494
HOWELL, L. L.	HUNT, R. M.	ILIN, Y. A.
Hemodynamic effects of anti-G suit inflation in a 1-G environment p 22 A86-12379	Human problem solving in fault diagnosis tasks	Effect of weightlessness and some of its models on mechanical properties of animal bones submitted to
HOYLAND, C. M.	[AD-A167397] p 434 N86-32104	torsion p 173 N86-21123
Incorporating human operator considerations into	HUNTOON, C. S. L.  Development of countermeasures for use in space	ILIUKHINA, V. A.
existing weapon system analysis and quantification capabilities p 184 A86-28438	missions	Complex approach to the study of adaptive systemic reactions and functional states in man. I - The time factor
HOYLE, F.	[IAF PAPER 85-327] p 36 A86-15832	in the formation of subcomplexes of systemic physiological
Diatoms on earth, comets, Europa and in interstellar	HURSH, S.	indexes of functional state dynamics, and the
space p 410 A86-44354	Multimodal versus unimodal information processing of words	instrumentation used in the study p 216 A86-30893
The viability with respect to temperature, of micro-organisms incident on the earth's atmosphere	[AD-A160517] p 134 N86-18984	ILLE, H.  Selection and medical testing of Mirage 2000 pilots:
p 410 A86-44358	HUTCHINS, S. G.	Report of echocardiography p 399 N86-30314
ноут, к.	Operator loading effects in a simulated tactical	ILLE, H. P.
Implications of privacy needs and interpersonal	decision-making problem p 130 A86-23739 HUTCHINSON, S. L.	Ischemic cardiopathology in pilots - The risk, the
distancing mechanisms for space station design [NASA-CR-176938] p 408 N86-30338	The startle reflex as a learning task: Apparatus and test	methods of detection and prevention p 113 A86-24511
HREBIN, L.	parameters	ILLE, M. P.
Anti-G suit protection and body position	[AD-A167958] p 428 N86-32970	A cold thyroid nodule - Statistical data and aeronautical
p 432 A86-47764	HYMAN, F.  The Sternberg memory search task as an index of pilot	aptitude p 112 A86-24507
HRONOWSKI, L. J. J.  Review of modified hemoglobin solutions for use as	workload p 227 A86-29883	ILMARINEN, R.  The effect of water ingress on buoyancy and thermal
temporary blood substitutes	HYMAN, F. C.	quality of survival suits p 97 A86-19333
[AD-A164210] p 256 N86-25114	Antiemetic drugs and pilot performance	Hand grip strength decrease related to hand skin
HSIA, L. M.	[AD-A162109] p 224 N86-24200 HYMER, W. C.	temperature drop during six-hour ice cold water immersion p 86 A86-19348
Application of screw calculus to the evaluation of manipulator workspace	Microgravity associated changes in pituitary growth	immersion p 86 A86-19348 ILMONIEMI, R.
[AD-P004947] p 75 N86-14946	hormone (GH) cells prepared from rats flown on Space	Neuromagnetism - Theory, techniques, and
HSIA, PW.	Lab 3 p 202 A86-30459	measurements p 217 A86-33459
An automated system for ST segment and arrhythmia	1	ILYALETDINOV, A.
analysis in exercise radionuclide ventriculography p 377 A86-41400	ı	Biotechnology: Science and practice p 4 N86-10742
HUA, L. L.	IAKIMENKO, M. A.	INABA, R.
Synthesis and analysis in studies of chemical evolution p 300 N86-26864	Thermoregulatory reactions to chilling in ice-cold water in fans of winter swimming p 90 A86-22544	Effect of immobilization stress on body weight in rats p 81 A86-22324
010101011 p 300 1100-20004	in fans of winter swimming p 90 A86-22544	p 01 A00-22324

			_
INA	G.	W	ιт

Photometric and photo acoustic measurement of the absorbance of micro-organisms and its relation to the micro-organism-grain hypothesis p 188 A86-26671

Atriopetin (AP-3) in atria and plasma of rats orbited aboard NASA Spacelab (SL3) for seven days D 205 A86-30477

Plasma renin concentration (PRC) of rats orbited for 7 days aboard NASA Spacelab 3 p 205 A86-30478 IONESCU, S.

Hypokinezia and space flight reflected on rate stomach p 200 A86-30442 IRIARTE, D. R.

The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094

IRVINE, W. M. Boundary conditions for the paleoenvironment: Chemical and Physical Processes in dense interstellar

clouds D 297 NRS-26847 ITO, T. Photometric and photo acoustic measurement of the absorbance of micro-organisms and its relation to the

micro-organism-grain hypothesis p 188 A86-26671 Effects of lunar soil, Zagami meteorite, and ocean ridge basalt on the excretion of itoic acid, a siderophore, and coproporphyrin by Bacillus subtilis p 412 N86-31421

Analysis of the functional structure of thermogenesis on the basis of pharmacological tests

D 208 A86-33074 IURIMIAE, T. A. The effect of different regimens of running training on

the physical work capacity and blood plasma lipids and lipoproteins in untrained male and female students p 89 A86-22537 IVANNIKOVA, A. G.

The rhythms of paramagnetic-center concentration in mouse liver and a mathematical model of synchronized autooscillations p 247 A86-36497 IVANOV, A. L.

The use of reflex therapy in the prophylaxis and reatment of motion sickness p 31 A86-13300 IVANOV. I.

Lactobacteria and prophylaxis in space

p 285 N86-27870 IVANOV, IU. A.

Experimental validation of training regime and a monitoring method connected with accelerated adaptation

n 88 A86-22524 Heat adaptation during training ng by graded p 89 A86-22538 IVANOV. V. I.

A handbook of radiation dosimetry and hygiene

p 25 A86-13457 IVANOVA, I. A.

Increased resistance of the brain to hypoxia due to a combination of lithium hydroxybutyrate indomethacine p 81 A86-22548 Characteristics of effects of microbiological means of plant protection on organism p 109 N86-19829 IVANOVA, M. Y.

Detection of HBsAg in families of children with viral hepatitis R p 218 N86-23232 IVANOVA, S. M.

Metabolic distinctions of human red blood during long-term spaceflights p 60 N86-14850 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 IVANOVA, T. M.

Catecholamine content of single brain nuclei in August rats following immobilization stress p.3 A86-12521 IVCHENKO, L

Peptides and memory p 95 N86-16884 IVEY. L.

Effect of vibration on the readability of color CRT displays [SAE PAPER 841466] p 146 A86-26009

IVNITSKII, IU. IU. An anaerobic shift in energy metabolism in the mouse brain during recovery from acute radiation sickness

p 276 A86-39720 IVRY, R. B.

Force and timing components of the motor program [AD-A157584] D 17 N86-11843 Cognitive science program: Dissociation of the central timekeeper and the peripheral implementation processes in repetitive movements

[AD-A157542] p 21 N86-11852 IWANE, M.

The effects of circuit weight training and G experience +Gz tolerance p 161 A86-28098 IYER, E. M.

Medical evaluation of cosmonauts - Physiological stress p 11 A86-12427

Effect of exposure to heat, hypoxia, cold, acceleration, and vibration stress on the total blood sulfhydryl groups in human subjects human subjects p 33 A86-14319
Systolic time intervals in pilots and non-pilots during 70 deg head-up tilt IZUMRUDOV, V. A. p 250 A86-33757

Protein-protein interactions in systems with synthetic polyelectrolytes p 210 N86-23225

J

Protection of eyes against laser damage studied

D 39 N86-12967 JABLON, S.

Studies of participants in nuclear tests

p 38 N86-12964 JABOUR, W. E.

Environmental impact research program. Status and source of habitat models and literature reviews, December

[AD-A156899] p 28 N86-12950 JACKSON, D.

Japanese Technology Evaluation Program (JTECH): Biotechnology Panel [PB86-109386]

p 161 N86-22092 JACKSON, D. L.

Recurrent cockpit resource management training at **United Airlines** p 228 A86-29889 JACKSON, R. M.

Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218

JACKSON, W. E., III

Hematopoiesis in conventional mice after wound trauma [AD-A160436] p 108 N86-18959

JACKSON, W. G., JR. The flight surgeon and psychiatry - Interest and skills

p 131 A86-25654 JACOB, S.

Responses of skeletal muscle to unloading - A review p 192 A86-30379 Response of rat hindlimb muscles to 12 hours recovery from tail-cast suspension om tail-cast suspension p 198 A86-30426 Responses of amino acids in hindlimb muscles to

recovery from hypogravity and unloading by tail-cast p 202 A86-30456 Muscle protein and glycogen responses to recovery from hypogravity and unloading by tail-cast suspension

D 202 A86-30457 Metabolism of amino acids by the atrophied soleus of tail-casted, suspended rats p 374 A86-43442 JACOBSEN A R

The effects of color-coding in geosit displays. 1: Color as a redundant code [AD-A161107] p 181 N86-22108

The effects of color-coding in GEOSIT (geographical situational) displays. 2: Redundant versus non-redundant color-coding

AD-A166263] p 405 N86-30334 JACOBSON, A. R. An evaluation of color sets for CRT displays

[AD-A163894] p 273 N86-25125 JACOBUS, B. B., JR. A study of patient's self-image during orthodontic

treatment [AD-A1607511 D 126 N86-19888

JAGACINSKI, R. J. On marching to two different drummers - Perceptual p 426 A86-49870 aspects of the difficulties

Twenty-First Annual Conference on Manual Control [NASA-CP-2428] Progression-regression effects in tracking repeated p 439 N86-32996

Investigation of crew performance in a multi-vehicle supervisory control task p 440 N86-33001 JAGO, R. J.

Potential controller error modes in Automated En Route ATC (AERA) p 238 A86-29871 JAHNKE, L. L.

Halobacterium denitrificans sp. nov., an extremely halophilic denitrifying bacterium p 374 A86-43438 Halobacterium denitrificans sp. nov. - An extremely halophilic denitrifying bacterium p 414 A86-49524

Oxygen and the evolution of metabolic pathways p 307 N86-26895

JAIN, S. C.

Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863 JAKOB, F. E.

An engineering analysis of a closed cycle plant growth nodule p 150 N86-19919 module

JAMAR, P. G.

Impact of automation on Space Station MMI design [AIAA PAPER 86-2316] p 407 A86-46944

JAMES, J. A.

Canadian automated pilot selection system D 231 A86-20008

JAMES, K. W. Evaluation of water sterilizing tablets [AD-A165806] p 385 N86-28622

JAMES, W. G.

Al applications to military pilot decision aiding - A

erspective on transition [SAE PAPER 841533]

p 146 A86-26004

JANDRAIN, B.

Remarkable metabolic availability of oral glucose during long-duration exercise in humans P 216 A86-30684 JANER, L.

Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400

Microprobe analysis of epiphyseal plates from Spacelab 3 rats D 204 A86-30469

JANGHORBANI, M.

Fluid-Electrolyte-Mineral interrelations as affecting work performance

[AD-A1653251 p 282 N86-26799 JANIK, D. S.

Defining reclaimed water potability requirements p 410 N86-31422

JANSON, W. P.

Eye and head response to an attention cue in a dual task paradigm p 262 A86-33827

JANSSON, E.

Epinephrine-induced changes in muscle carbohydrate metabolism during exercise in male subjects p 280 A86-39092

JARNAGIN, K. 1,25-dihydroxyvitamin D3 normalizes maternal food

consumption and pup growth in rats p 52 A86-18400

JAROSIUS, A. V.

Investigations of higher plants under weightlessness p 192 A86-30388

JARVIS, N. R.

An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition

AD-A1640991 p 257 N86-25981 JASPERS, S.

Response of rat hindlimb muscles to 12 hours recovery from tail-cast suspension p 198 A86-30426 JASPERS, S. R.

Biochemical response to chronic shortening in unloaded soleus muscles Responses of skeletal muscle to unloading - A review p 192 A86-30379 p.3 A86-12380

Metabolism of amino acids by the atrophied soleus of tail-casted, suspended rats p 374 A86-43442 JAUCHEM, J. R.

Effects of psychotropic drugs on thermal responses to radiofrequency radiation p 59 A86-18838 JEE. W. S. S.

Effects of N,N,N',N'-Ethylenediaminetetramethylene acid 1-Hydroxyethylidene-1,1-bisphosphonic acid on calcium absorption, plasma calcium, longitudinal bone growth, and bone histology in the growing rat

one histology in the growing rat p 374 A86-43444
The effects of prostaglandin E2 in growing rats Increased metaphyseal hard tissue and cortico-endo bone formation p 375 A86-43450

JELENSKA, M. M. Advances in radiobiological research: irradiation effects p 57 N86-15894

JELKMANN, W. Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro

p 388 N86-29524 JENDRITZKY, G.

Spatial distribution of heat and cold stress in the Federal Republic of Germany p 170 N86-21065 JENKINS, D. E.

Health effects of ambient ozone exposure in vigorously exercising adults

[PB86-156940] p 258 N86-25989 JENKINS, J. M.

An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography

p 377 A86-41400 JENKNER. F. J.

Objective investigations and subjective observations of sensitivity to weather p 165 N86-21023

JENKNER, F. L. Weather and migraine p 166 N86-21027 JENNINGS, T.

The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography

P 58 A86-18547

K

JENNINGS, T. J.	JOHNSON, P. C.	K
Hemodynamic effects of anti-G suit inflation in a 1-G	Red blood cell decreases of microgravity	
environment p 22 A86-12379	[IAF PAPER 85-324] p 36 A86-15829	KABANOV, V. A.
JENSEN, A.	Regulation of hematopoiesis in rats exposed to	Protein-protein interactions in systems with synthetic polyelectrolytes p 210 N86-23225
Psychological and physiological stress reactions among	antiorthostatic hypokinetic/hypodynamia. II - Mechanisms of the 'anemia' p 80 A86-20404	polyelectrolytes p 210 N86-23225 KABITSKAYA, O. Y.
sports diver-students p 124 N86-19875 JENSEN, J. K.	• • • • • • • • • • • • • • • • • • • •	Changes in physical condition, vestibular function and
Mobile remote manipulator vehicle system	JOHNSON, P. C., JR. Cardiovascular deconditioning during space flight and	bone system of rats submitted to long-term rotation
[NASA-CASE-LAR-13393-1] p 187 N86-21147	the use of saline as a countermeasure to orthostatic	p 54 N86-14857
JENSEN, R. S.	intolerance p 8 A86-10257	Effect of 24,25-dihydroxyvitamin D3 on osteogenetic
Symposium on Aviation Psychology, 3rd, Columbus, OH,	•	precursor cells in immobilized rats p 56 N86-15877
April 22-25, 1985, Proceedings p 226 A86-29851	Fluid and electrolyte control in simulated and actual spaceflight p 214 A86-30385	Comparison of bone reactions of rats submitted to
The effects of expressivity and flight task on cockpit	•	clinostatic and antiorthostatic hypokinesia
communication and resource management	JOHNSON, T. S.  Effect of dexamethasone on symptoms of acute	p 174 N86-21125
[NASA-CR-177036] p 383 N86-29505	mountain sickness at Pikes Peak, Colorado (4300m)	Effect of diphosphonates on bones of hypokinetic rats
JEPSON, G. W.	[AD-A168662] p 425 N86-32963	p 279 N86-27890
In vivo dermal absorption method and system for	JOHNSTON, A.	KACHANOVSKII, K. N.
laboratory animals	Invariant tuning of motion aftereffect	Indicators of external respiration in young athletes during
[AD-D012325] p 417 N86-32951	p 94 A86-20899	adaptation to high environmental temperature
JEX, H. R.	JOHNSTON, D. E.	p 9 A86-10699 KACIUBA-USCILKO, H.
Comparison of the STI NIPIP tracking dynamics	Investigation of limb-sidestick dynamic interaction with	Exercise hyperthermia as a factor limiting physical
identification with the on-line Fourier analyzer DFA results including a time varying case p 442 N86-33010	roll control p 438 N86-32991	performance - Temperature effect on muscle
including a time varying case p 442 N86-33010  JHINGRAN, S. G.	JOINES, W. T.	metabolism p 1 A86-10104
In vivo nuclear magnetic resonance imaging	System for measurement of small vibrations at material	KADO, H.
[NASA-CR-171928] p 170 N86-21105	interfaces induced by electrostrictive forces	A study of the psychophysical measurement on
JOBIN, M.	[PB86-116530] p 222 N86-23276	fluctuating sound by a stochastic approximation method
Enhanced metabolic response to caffeine in	JONES, A. O.	p 41 A86-14575
exercise-trained human subjects p 7 A86-10106	US Department of Agriculture/Corps of Engineers	KADOO, A.
JOBSIS, F.	cooperative aquatic plant control research. Annual report	Changes of flying skills during non-flight periods
Non-invasive physiologic brain monitoring in USAF	for FY 1983; chemical control technology	p 41 A86-13944
operational environments p 85 A86-19332	[AD-A161867] p 212 N86-24184	KADYRALIEV, A. K.
JOHANNSEN, G.	JONES, D.	The environment and the heart p 25 A86-13460
Interaction between controlling, planning, and fault	The retrieval, storage, and recycling of water for a	KAFATOS, M.
managing in complex man-machine systems	manned base on Mars	The universal diagrams and life in the universe
p 240 A86-33184	[AAS 84-180] p 186 A86-28806	p 297 A86-38148 KAIFU, N.
JOHANSON, D. C.	JONES, D. H.	RAIFU, N.  Recent observations of organic molecules in nearby
Inflight loss of consciousness. II p 58 A86-18548	An evaluation of aviator training ability requirements	cold, dark interstellar clouds p 296 A86-38139
Inflight loss of consciousness - A first look at the U.S.  Navy experience p 396 A86-44780	scale ratings p 128 A86-23715	KAIJSER, L.
JOHANSSON, K. R.	An examination of ability requirements for various rotary wing missions p 128 A86-23716	Epinephrine-induced changes in muscle carbohydrate
Interaction between Escherichia coli and lunar fines	JONES, D. P.	metabolism during exercise in male subjects
p 30 N86-14088	Hepatic enzyme adaptation in rats after space flight	p 280 A86-39092
JOHN, S.	p 205 A86-30476	KAINE, B. P.
Wet chamber dives to test algorithms for electronic	JONES, D. R.	Sequence of the 16S rRNA gene from the
decompressiometers p 125 N86-19878	Self-control of psychophysiologic response to motion	thermoacidophilic archaebacterium Sulfolobus solfataricus
JOHNSON, A. E.	stress Using biofeedback to treat sickness	and its evolutionary implications p 104 A86-23998
The effects of preview period on descent detection	[AD-A163428] p 70 A86-18833	KAISER, M. K.
p 230 A86-29902	Flying and danger, joy and fear	Judgments of natural and anomalous trajectories in the
JOHNSON, A. G.	[AD-A166555] p 131 A86-25655	presence and absence of motion p 69 A86-16922
Suppression of antibody forming cells by muramyl	The healthy motivation to fly: No psychiatric diagnosis	Development of intuitive theories of motion - Curvilinear
Di-peptides	[AD-A164944] p 291 N86-26832	motion in the absence of external forces
[AD-A162400] p 159 N86-22084	US Air Force combat psychiatry	p 426 A86-49521
Studies on the mechanism of suppression of the immune	[AD-A165011] p 292 N86-27921	KAISER, R. High pressure oxygen (OHP) induced increase of serum
response by synthetic, non-toxic adjuvants	JONES, D. S.	prolactin is not due to a dopamine (DA)-receptor
[AD-A162444] p 160 N86-22085	Advantages of the gas exchange approach to	blockade p 123 N86-19867
JOHNSON, C. C.	microbiological studies [AD-A166887] p 393 N86-31207	Hygienic aspects of water supply for chamber sanitary
Wet oxidation of a spacecraft model waste	JONES, M. B.	facilities, changes of divers' bacterial mouth flora and
[SAE PAPER 851372] p 140 A86-23555	Automated Portable Test System (APTS) - A	effectiveness of ear prophylaxis in saturation dives
JOHNSON, C. H.	performance envelope assessment tool	p 124 N86-19874
The elusive mechanism of the circadian clock	[SAE PAPER 851775] p 263 A86-35427	KAJI, S.
p 82 A86-22650	JOSSE, A. P.	Studies on information processing mechanisms in the
JOHNSON, E. C.	Characterization of YAG lasers for ophthalmologic	central visual system of the cat
Noninvasive Doppler determination of cardiac output	applications	[EL-861] p 277 N86-27865
during submaximal and peak exercise	[SNIAS-852-430-107] p 93 N86-16894	KAKIMOTO, Y.
p 21 A86-10102	JOY, K. I.	Changes in catecholamine excretion during physical and
JOHNSON, E. W.	Design guidelines for the use of audio cues in computer	mental workload p 161 A86-28099
Light-Weight Radioisotope Heater Unit Safety Analysis	interfaces	Effects of physiological and mental stress on crew
Report (LWRHU-SAR). Volume 1. A. Introduction and	[DE85-015176] p 241 N86-23281	members in relatively long flight by C-1 jet transport
executive summary. B. Reference Design Document	JUKES, T. H.	aircraft p 161 A86-28100
(RDD)	A change in the genetic code in Mycoplasma capricolum p 105 A86-24000	KALANDAROV, S.
[DE86-001457] p 172 N86-21113	capricolum p 105 A86-24000 Investigations with methanobacteria and with evolution	Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884
JOHNSON, J. A.	of the genetic code p 306 N86-26890	
Solute conductance of blood-gas barrier in hamsters	JULESZ, B.	KALBFLEISCH, J. H.
exposed to hyperoxia p 391 A86-44195	Enhanced detection in the aperture of focal attention	Effect of head-out water immersion on response to exercise training p 396 A86-44194
JOHNSON, J. E.  The role of the oceans in the atmospheric mole of	during simple discrimination tasks p 403 A86-45955	•
The role of the oceans in the atmospheric cycle of carbonyl sulfide p 277 N86-26796	JUNGE, M. K.	KALITA, D.  The use of ellipsoidal solids to display human body.
	Space Station crew safety - Human factors model	The use of ellipsoidal solids to display human body dynamic response p 272 A86-36852
JOHNSON, J. M.  Mode of neural control mediating rat tail vasodilation	p 143 A86-23742	
	JUNKER, A. M.	KALLIANPUR, G.  Stochastic differential equations for neuronal behavior
·	Comparison of transient and steady state cortical evoked	· · · · · · · · · · · · · · · · · · ·
JOHNSON, L. C.  Renzodiazanine activity: Daytime affects and the sleen.	potentials p 183 A86-28431	
Benzodiazepine activity: Daytime effects and the sleep EEG	A linear, dynamic model for the visual-cortical evoked	KALONYKOVA, G. I.  The effect of equally effective neutron and X-ray
[AD-A158702] p 63 N86-14879	response system p 183 A86-28432	radiation doses on the epithelial cells of the hair bulb
JOHNSON, M. H.	Department in a superior of stoody state viewel	[BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104
Precision and accuracy of oculocentric direction for	Descriptive Linear modeling of steady-state visual	
targets of different luminances p 58 A86-17351	evoked response p 436 N86-32977	• • • • • • • • • • • • • • • • • • • •
	evoked response p 436 N86-32977 Analytical comparison of transient and steady state	KAMAREI, A. R.
- · · · · · · · · · · · · · · · · · · ·	evoked response p 436 N86-32977 Analytical comparison of transient and steady state visual evoked cortical potentials p 436 N86-32978	KAMAREI, A. R. Potential for utilization of algal biomass for components
JOHNSON, N. F.	evoked response p 436 N86-32977 Analytical comparison of transient and steady state visual evoked cortical potentials p 436 N86-32978  JUNKER, E.	KAMAREI, A. R. Potential for utilization of algal biomass for components of the diet in CELSS
JOHNSON, N. F. DNA analysis of epithelial cell suspensions	evoked response p 436 N86-32977 Analytical comparison of transient and steady state visual evoked cortical potentials p 436 N86-32978  JUNKER, E. Environmental factors and infant mortality	KAMAREI, A. R. Potential for utilization of algal biomass for components of the diet in CELSS [SAE PAPER 851388] p 140 A86-23567
JOHNSON, N. F. DNA analysis of epithelial cell suspensions [DE86-002403] p 249 N86-25977	evoked response p 436 N86-32977 Analytical comparison of transient and steady state visual evoked cortical potentials p 436 N86-32978  JUNKER, E. Environmental factors and infant mortality p 168 N86-21041	KAMAREI, A. R. Potential for utilization of algal biomass for components of the diet in CELSS [SAE PAPER 851388] p 140 A86-23567 Utilization of non-conventional systems for conversion
JOHNSON, N. F. DNA analysis of epithelial cell suspensions [DE86-002403] p 249 N86-25977 JOHNSON, P.	evoked response p 436 N86-32977 Analytical comparison of transient and steady state visual evoked cortical potentials p 436 N86-32978  JUNKER, E. Environmental factors and infant mortality p 168 N86-21041  JURGELSKI, W.	KAMAREI, A. R. Potential for utilization of algal biomass for components of the diet in CELSS [SAE PAPER 851388] p 140 A86-23567 Utilization of non-conventional systems for conversion of biomass to food components: Potential for utilization
JOHNSON, N. F. DNA analysis of epithelial cell suspensions [DE86-002403] p 249 N86-25977	evoked response p 436 N86-32977 Analytical comparison of transient and steady state visual evoked cortical potentials p 436 N86-32978  JUNKER, E. Environmental factors and infant mortality p 168 N86-21041	KAMAREI, A. R. Potential for utilization of algal biomass for components of the diet in CELSS [SAE PAPER 851388] p 140 A86-23567 Utilization of non-conventional systems for conversion

Potential for utilization of algal biomass for components of the diet in CELSS p 148 N86-19907 KAMENEVA. N. S.

Antistress effect of 1-chlormethylsilitrane

KAMENKOVICH, V. M.

D 105 A86-24300

The dynamics of the human estimation of image size and its neurophysiological correlates p 89 A86-22539
KAMENTOVICH, V. M.

Electroencephalograms and the read-out of information in the visual cortex during image recognition

p 33 A86-15512 KAMIYA, J.

General automatic components of motion sickness NASA-CR-176516] p 126 N86-19886 KAMMEL H

The visual stress model - A psycho-physiological method for the evaluation of operational reliability of pilots and COSMODante

[IAF PAPER 85-326] KAMPEN, S.

D 41 A86-15831

Control loops with human operators in space operations. Part 2: Robotics operations and manual control experiment [NLR-TR-84116-L-PT-2] p 444 N86-33024

KAMYNINA, M. F.

The effect of radiation on the concentration and metabolism of dopamine in the rat brain

p 276 A86-39722 KANAVARIOTI, A.

Cooperation of catalysts and templates

p 301 N86-26871

KANDA, S. CELSS experiment model and design concept of gas

recycle system [SAE PAPER 851393] p 141 A86-23570 CELSS experiment model and design concept of gas ecycle system p 148 N86-19909 recycle system

of the Investigation method to determine carboxyhaemoglobin in blood

[AD-A161061] D 127 N86-19892 KANTOWITZ B H

On scaling performance operating characteristics -Caveat emptor D 179 A86-28866 Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880 p 239 A86-29880 Biocybernetic analysis of a hybrid workload model AD-A159033] p 63 N86-14880

KAPANADZE, R. V. Morphological changes in some internal organs of guinea pigs due to the effect of a constant electromagnetic

p 103 A86-23490 KAPAUN, H.

Environmental factors and infant mortality

D 168 N86-21041 KAPITAN, K. S.

Pulmonary gas exchange in humans during exercise at sea level p 281 A86-39095

Use of laboratory simulated pyrolysis in tracing the

history of sedimentary organic matter p 304 N86-26884 KAPOOR, Y. P.

Dental evaluation of cosmonauts p 11 A86-12432 KARACALLIK, A.

A survey of aseptic bone negrosis in Turkish sponge divers, interim report p 124 N86-19871 KARAGUELLE, Z.

A survey of aseptic bone negrosis in Turkish sponge divers, interim report p 124 N86-19871 KARFI M

Potential for utilization of algal biomass for components of the diet in CELSS [SAE PAPER 8513881 p 140 A86-23567

Utilization of non-conventional systems for conversion of biomass to food components: Potential for utilization of algae in engineered foods [NASA-CR-176257] p 6 N86-11830

Potential for utilization of algal biomass for components of the diet in CELSS p 148 N86-19907 KARIMOV, M.

Production of gene bank from cotton plant chloroplast DNA foi HC/MF p 210 N86-23228 KARPENKO, A. V.

The use of cardiac-rhythm statistical characteristics in valuating mental work capacity p 420 A86-49265 KARPOV. B. A.

Device for combined study of visual tracking and verbal KARPUSHEVA, V. A.

Some human reactions during 7-day antiorthostatic p 286 N86-27885 KARST, G. M.

Effect of simulated weightlessness on exercise-induced anaerobic threshold p 250 A86-33756

KASENOV K II

The dependence of thromboelastographic indices in healthy subjects on geomagnetic-field conditions p 90 A86-22545

KATAYAMA, M.

Bioimpedance measurement with respect to pulsatile pulmonary blood flow KATKOV. A. IU.

Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 KATKOV. A. Y.

Man's tolerance to fulminant form of hypoxic hypoxia p 66 N86-15879

KATKOV, V. E.

Correlation between the arterial blood pressure, the pulmonary artery pressure, and central venous pressure

p 90 A86-22542 Cardiorespiratory responses to lower body negative pressure and tilt tests after exposure to simulated eightlessness p 215 A86-30387 KATKOV, V. Y.

Cerebral circulation and oxygenation in healthy man during graded exercise in antiorthostatic position

Human central hemodynamics during lower limb p 286 N86-27887 KATKOVA, L. S.

The contractile function and the energy metabolism of the myocardium under emotional stress and during adaptation of animals to short stress effects

p 392 A86-45322 KATO, K.

The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p.50 A86-17670

Microgravity changes in heart structure and cyclic-AMP metabolism p 203 A86-30465 KATOH, Z.

Changes of flying skills during non-flight periods D 41 A86-13944

KATSING, J. F. Climatic consequences of very high CO2 levels in Earth's

early atmosphere D 308 N86-26904 KATUNTSEV. V. P.

Cardiorespiratory responses to lower body negative pressure and tilt tests after exposure to simulated weightlessness p 215 A86-30387 KATZ. L.

A digital image processing facility for human factors p 143 A86-23737

KATZSCHNER, L.

Airway infections related to city climate and local immission load p 168 N86-21042

KAUFMAN, A. J.

Isotopic, petrologic and biogeochemical investigations of banded iron-formations p 305 N86-26885 KAUFMAN, E.

A simulation study of the effects of sleep deprivation, time of watch and length of time on watch on watchstanding effectiveness

[AD-A167729] p 424 N86-32956 KAUFMAN, W. C.

Thermal insulating capabilities of 'thin' clothing sulation p 22 A86-10263 Comparative cold responses of men and women to external and internal cold stimuli p 87 A86-20403

KAUNE, W. T. Physical interaction of humans and animals with power-frequency electric and magnetic fields

[DE86-007734] p 402 N86-31215

KAYFADZHYAN, M. A.

Changes in physicochemical properties of contractile and regulatory proteins in different types of muscles during and after exposure to accelerations p 61 N86-14860 KAZARIAN I

Effect of rotopositioning on the growth and maturation of mandibular bone in immobilized Rhesus monkeys p 106 A86-25659

KAZIMIROVSKAIA, V. B.

Antistress effect of 1-chlormethylsilitrane p 105 A86-24309

KAZNACHEEV, S. V.

The use of a constitutional approach in the evaluation of health status p 420 A86-49270 KEATINGE, W. R.

Effects of raised body temperature on reasoning memory, and mood p 86 A86-20002

Early postnatal development of rats gestated during flight of Cosmos 1514 p 195 A86-30402

Is the cerebellum involved in motor and perceptual timing: A case study [AD-A157452] p 16 N86-11842

Cognitive science program: Dissociation of the central timekeeper and the peripheral implementation processes in repetitive movements [AD-A157542]

D 21 N86-11852 KER :

Blood pressure and plasma renin activity as predictors of orthostatic intolerance p 32 A86-14312 KEIL L.C.

Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt

p 253 A86-36311

Speech compression as a potential aid to automated voice warnings in the cockpit D 185 A86-28445

Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing p 51 A86-18033

KELLY, M. J.

Performance measurement guidelines for research AD-A159055] p 71 N86-14891 [AD-A159055] KELLY, P. A.

Hesitations in continuous tracking induced by a concurrent discrete task

[NASA-CR-177019] p 382 N86-29503 Hesitation in tracking induced by a concurrent manual task n 439 NR6 32005

KELLY, R. T.

Operator loading effects in a simulated tactical decision-making problem p 130 A86-23739 KEM, D. C.

Plasma norepinephrine, blood pressure and heart rate response to graded change in body position

D 59 A86-18835 KEMMER, J.

Proposal for a new tomographic device providing information on the chemical properties of a body section [DE86-010547] p 425 N86-32964 KEMMLER, R.

The causes of causes' - Determinants and background variables of human factor incidents and accidents

p 233 A86-29930 KEMP, J. W.

Effects of N,N,N',N'-Ethylenediaminetetramethylene phosphonic acid and 1-Hydroxyethylidene-1,1-bisphosphonic acid on calcium phosphonic absorption, plasma calcium, longitudinal bone growth, and bone histology in the growing rat D 374 A86-43444 KENNEDY, J. M.

The Scientific Workstation Evaluation Project: Multidisciplinary experience with a scientific workstation [ANL-84-100] p 74 N86-14896 KENNEDY, K. W.

A collation of United States Air Force anthropometry [AD-A168485] p 443 N86-33019 KENNEDY, R. S.

Simulator sickness - Incidence of simulator aftereffects in Navy flight trainers p 85 A86-19346 Visual distortion - The correlation model

[SAE PAPER 841595] p 114 A86-26026 Automated Portable Test System (APTS) - A erformance envelope assessment tool [SAE PAPER 851775] p 263 A86-35427

Assessing the human performance envelope - A brief [SAE PAPER 851776] p 263 A86-35428

A comparison of postural equilibrium effects following exposure to different ground-based flight trainers D 418 A86-47754

An analysis of visual tasks in helicopter shipboard landing [AD-A161101] p 136 N86-19903

KENNER, K. Descriptive Linear modeling of steady-state visual

voked response p 436 N86-32977 KENNER, K. M. Comparison of transient and steady state cortical evoked

p 183 A86-28431 A linear, dynamic model for the visual-cortical evoked response system p 183 A86-28432

Analytical comparison of transient and steady state visual evoked cortical potentials p 436 N86-32978

Circadian variation of volume and concentration of orthostatically shifted fluid p 215 A86-30445 thostatically shifted fluid p 215 Abb-30445
Day course of blood and plasma density in relation to other hematological parameters p 215 A86-30446 KENNY, A. D.

Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamide

p 374 A86-43448 Role of carbonic anhydrase in bone resorption induced by 1,25 dihydroxyvitamin D3 in vitro p 375 A86-43449 Role of carbonic anhydrase in bone resorption induced by prostaglandin E2 in vitro p 375 A86-43453

The detection of various color combinations under

The effects of bimodal presentation of stimuli and noise

Multimodal versus unimodal information processing of

p 378 A86-41783

n 134 N86-18981

p 134 N86-18984

different chromatic ambient illuminations

[AD-A160122]

[AD-A160517]

words

Role of carbonic anhydrase in bone - Plasma KIERSZENBAUM, F. KLEIN, H. P. Enhancing effects of gamma interferon on phagocytic cell association with and killing of Trypanosoma cruzi acetazolamide concentrations associated with inhibition The evolution of CELSS for lunar bases p 239 A86-30164 of bone loss p 375 A86-43454 p 371 A86-40666 KLEIN. K. E. Partial recovery of neutrophil functions during prolonged Hemodynamic response to LBNP following 2 hours HDT p 246 A86-36220 n 252 A86-36309 hypothermia in pigs Some aspects of human amino acid metabolism at high (-6 dea) p 175 N86-21136 altitude Analysis of the potential association between noise-induced hearing loss and cardiovascular disease in JPL's role in the SETI program p 310 N86-26913 KLEINMAN, D. L. The D to H ratio on Titan and the planets: Implications Comparison of transient and steady state cortical evoked p 250 A86-33760 for origin and evolution of planetary atmospheres p 298 N86-26853 KENYON D. J. potentials n 183 A86-28431 Analytical comparison of transient and steady state Repetitive decompression tables for no-stop excursions KIMURA, H. p 125 N86-19876 visual evoked cortical potentials p 436 N86-32978

An experimental paradigm for team decision On the pilot's behavior of detecting a system parameter from saturation KEREN. G. p 145 A86-25229 KINASEWITZ, G. T. p 440 N86-33000 Cognitive aspects of command and control p 405 N86-30336 [IZF-1986-2] Exercise conditioning increases rat myocardial calcium KLFISS, J. A. KERRIDGE, J. F. Does location cueing increase the efficiency of the early uptake p 276 A86-39097 stages of perceptual processing? p 129 A86-23722 Isotopic characterisation of prebiotic synthesis of organic KING. A. I. p 300 N86-26865 Regional tolerance to impact acceleration
[SAE PAPER 850852] p 293 KLIMOV. P. K. material KHALENEVA. M. P. Calmodulin, a second messenger - History of p 293 A86-38512 Antibiotic properties of bifidobacteria investigation and physiological importance KING. D. S. p 157 A86-29256 p 219 N86-23236 Muscle metabolism during exercise in the heat in unacclimatized and acclimatized humans KLIMOVA, A. D. KHAMZAMULIN, R. O. p 36 A86-16051 Investigation of mechanisms of the radioprotective effect Condition of cardiovascular system in presence of acute of agonists of catecholamine receptors - Involvement of p 174 N86-21127 mountain sickness KING. M. Helicopter flight control with one hand subtypes of alpha-adrenoreceptors T and B components of immunity in the presence of radioprotective effect p 286 N86-27892 p 269 A86-34923 n 208 A86-32698 acute mountain sickness KLIMOVSKAYA, L. D. Flight test of a displacement sidearm controller KHANSON, K. P. p 439 N86-32992 Rat brain impedance in stationary magnetic field Molecular mechanisms of cell death induced by p 174 N86-21128 p 27 A86-15474 KINKEAD, E. R. radiation KLINKER, L. Acute toxicity studies on 2 Air Force hydraulic fluids KHARE, B. N. On the importance of cooling in climatic therapy (MLO 82-233 and MLO 82-585) p 298 N86-26852 The organic aerosols of Titan p 165 N86-21020 p 258 N86-25984 [AD-A163174] KHARIN, V. V. The experimental determination of safe atmospheric KLOPFENSTEIN, R. W. Use of flight simulators for demonstration of functional exposure concentrations of JP-10 jet fuel Spatial-frequency model for hyperacuity capacities of flight personnel p 72 N86-15870 p 19 A86-11147 p 258 N86-25985 [AD-A163179] KHARKOV. S. A. KLUGER, M. J. KIRBY, C. R. Characteristics of external respiration in inhabitants of Circadian variation in host defense Effect of simulated weightlessness on exercise-induced p 9 A86-10698 the northeastern USSR [AD-A161702] p 158 N86-21098 anaerobic threshold p 250 A86-33756 Respiratory function in inhabitants of northeastern KĽYACHKO, N. L. KIRBY, R. H. p 119 N86-19845 HISSE p 109 N86-19831 Eye-scan behavior in a flight simulation task as a function Micellar enzymology KHASKIN, V. V. of level of training p 260 A86-33794 KNAEUPER, A. A rule-based model of human problem-solving behavior Analysis of the functional structure of thermogenesis Visual information transfer. Part 1: Assessment of specific information needs. Part 2: Parameters of p 70 A86-17772 on the basis of pharmacological tests dynamic environments p 208 A86-33074 KNAEUPER. A. E. appropriate instrument scanning behavior [NASA-CR-176277] Pilot interaction with automated airborne decision p 21 N86-11850 KHAYDARLIU, S. K. making systems [NASA-CR-177002] Combined effects of stressors on the level of spinal KIRCHEN, M. E. reflex arc structures p 62 N86-14871 Effects of non weight bearing on callus formation p 385 N86-29508 KNIGHT, S. L. p 193 A86-30394 KHMELEVSKII, IU. V. Optimization of controlled environments for hydroponic Antioxidants as antiarrhythmic remedies KIRCHNER, J.-H. production of leaf lettuce for human life support in p 246 A86-35938 A basic concept for evaluating man-machine systems CELSS p 433 A86-47773 KHMELNITSKIY, Y. L. KNOLL A. H. KIRENSKAYA, A. V. p 109 N86-19831 Micellar enzymology The Precambrian evolution of terrestrial life Effect of immersion hypokinesia on characteristics of KHOLODKOVA, Y. V. programmed voluntary movements p 173 N86-21119 p 275 A86-38146 Effect of plasmids on virulence of pseudomonas KNOTT, W. M. KIRICHENKO, L. L. aeruginosa strains in mouse experiments Plan for CELSS test bed project p 149 N86-19915 Microcirculation and cellular hemostasis in men with p 210 N86-23237 p 149 N86-19916 Plant growth chamber M design borderline arterial hypertension submitted KHOMA, O. I. KNUDSON, G. B. neutral-temperature dry immersion in water Modeling of perception and decision-making p 61 N86-14854 Identification of vaccine resistant isolates of bacillus p 183 A86-27094 KIRILLOVA, Z. A. anthracis KHOMENKO, M. N. [AD-A162002] p 212 N86-24187 Experimental and general theoretical research: Nature Distinctions in reactions to active orthostatic and p 285 N86-27880 KOBAYASHI, K. of circulatory regulation in pilots water-loading tests of subjects differing in tolerance to Trace elements in chemical evolution, I. II - Synthesis positive Gz accelerations p 173 N86-21118 of amino acids under simulated primitive earth conditions Investigation of crew performance in a multi-vehicle supervisory control task p 440 N86-33001 p 189 A86-28722 KHOMSKAYA, Y. D. p 440 N86-33001 in the presence of trace elements An appraisal of dive profiles in shellfish divers with Eve-movement activity as index of functional state of KISELEV. L. L. p 14 N86-10756 The tryptophanyl-tRNA synthetases from eurocaryotes, reference to the risk of decompression sickness p 125 N86-19879 KHORVAT, G. N. procaryotes, and archebacteria have a common antigenia p 105 A86-24323 HBeAg and its antibodies in carriers of HSsAg in various determinant Synthesis and analysis in studies of chemical regions of USSR p 300 N86-26864 p 218 N86-23233 KISLIAKOV, V. A. evolution Interaction between the otolithic organ and the KOBRICK, J. L. KHOVANSKAYA, T. P. semicircular canals of the vestibular apparatus in the Effect of emotional stress on hemostasis system Effect of wearing chemical protective clothing in the heat p 19 N86-10745 system of spatial angular stabilization in humans healthy persons on signal detection over the visual field p 161 A86-27474 [AD-A164945] p 145 A86-25657 KHRISTOV. G. KITAYEV. M. I. Concerning barotrauma of the lungs-translation An automated system for comprehensive assessment p 289 N86-27914 T and B components of immunity in the presence of of visual field sensitivity [AD-A165006] p 286 N86-27892 acute mountain sickness p 178 N86-22104 KHRYASHCHEVA L A [AD-A162755] KJEMS. J. Automatic determination of cardiac output from Effects of wearing NBC (Nuclear, Biological and An intron in the 23S ribosomal RNA gene of the rheogram of the trunk p 66 N86-15889 Chemical) protective clothing in the heat on detection of archaebacterium Desulfurococcus mobilis KHUDAIBERDIEV, M. D. visual signals p 80 A86-21588 [AD-A162321] p 224 N86-24202 Heat sensitivity of the medial preoptic region of the ypothalamus during seasonal adaptation and KLAPP, S. T. Effect of heat and chemical protective clothing on On marching to two different drummers - Perceptual acclimatization to high ambient temperature cognitive performance p 426 A86-49870 aspects of the difficulties [AD-A162001] p 26 A86-14594 p 242 N86-24218 Hesitations in continuous tracking induced by a KHVINGIIA, M. V. KOBUS, D. A. concurrent discrete task

[NASA-CR-177019]

KLEIN, C.

KLEIN, H. G.

polycythemia

p 382 N86-29503

p 439 N86-32995

p 305 N86-26885

Hesitation in tracking induced by a concurrent manual

Isotopic, petrologic and biogeochemical investigations of banded iron-formations p 305 N86-26885

Effects of hemodilution on O2 transport in high-altitude

KIDWELL, R.

KIEFER. D. A.

measurements

[NASA-CR-176294]

Muscle vibrations and man-machine system dynamics

The role of reabsorption in the spectral distribution of

phytoplankton fluorescence emission p 50 A86-16924

optic pressure sensors in skin-friction

p 74 A86-18731

p 16 N86-11838

KOCH F

Comparison between meteorological complex values and a model of man's energy budget

p 169 N86-21050

KOCH, K. L.

Tachygastria and motion sickness p 32 A86-14315 Vection-induced gastric dysrhythmias and motion

[NASA-CR-1766201 KOCH, R. H.

No valid evidence exists for interstellar proteins, bacteria

KOCHETKOVA, A. N.
Effect of 24,25-dihydroxycholecalciferol on amino acid metabolism of hypokinetic rats p 55 N86-14869 KOCHUBEEV, A. V.

Possibility of optimizing respiratory activity by means of p 420 A86-49268 biocontrol

MTF's and Wiener spectra of radiographic screen-film systems. Volume 2: (Including speeds of screens, films and screen-film systems)

[PB86-184934] p 380 N86-29501

KOEHLER, R.

A flight test method for pilot/aircraft analysis

p 442 N86-33011 KOELLING, D. D.

The Scientific Workstation Evaluation Project: Multidisciplinary experience with a scientific workstation [ANL-84-100] p 74 N86-14896

KÖHL, R. L. Endocrine correlates of susceptibility to motion ckness p 59 A86-18834 Arousal and stability - The effects of five new sympathornimetic drugs suggest a new principle for the prevention of space motion sickness

p 113 A86-25656

KOIFMAN, M. M. A study of the effect of ultrasound on the antigenic activity of human erythrocytes p 254 A86-36495 KOJIRO, D. R.

A gas chromatograph experiment for a Titan entry robe p 299 N86-26856 Ion Mobility Drift Spectrometer (IMDS) as a flight analytical instrument technique p 300 N86-26861 KOKOREVA, L. V.

Physical endurance of rats during intensive and repeated exposure to stationary magnetic field

p 279 N86-27894

KOKOVA. N. I.

Hemodynamic parameters as related to different tolerance to head-pelvis accelerations p 61 N86-14859

KOLENDA, IU. V. The effect of kallikrein on the development of a general adaptation syndrome

p 49 A86-16751 KOLESNIKOVA, L N. Visual-contrast measurement - Measurement of the

spatial transfer functions of the visual system p 27 A86-15467

KOLKA, M. A. Environmental stress after atropine treatment

FAD-A1619231 p 223 N86-24197 Thermoregulation after atropine and pralidoxime administration [AD-A1658681 p 397 N86-30304

KOLOMIITSEVA, I. K. Activation of cholesterogenesis under the effect of p 207 A86-32697 ionizing radiation on a living body KOLOMIYETS, V. V.

Status of calcium metabolism in coal miners with vibration sickness p 220 N86-23251 KOLOS, Y. N.

Farm animals as source of yersiniosis

p 217 N86-23230 KOLOSOVA, N. G.

The mechanism of the adaptogenic effect of tocopherol n prolonged cold exposure p 414 A86-49367

KOLUPAEVA, T. V. The electrokinetic properties of cell nuclei in the human buccal epithelium in conditions of motion sickness and

hypoxia KOMAJDA, M. p 90 A86-22549 A practical attitude toward ventricular repolarization

abnormalities in flight crews p 282 A86-39773 Normal or pathological coronary status - Reflections and practical experiences for expertise with flight personnel

KOMAR, V. E.

Molecular mechanisms of cell death induced by radiation p 27 A86-15474

KOMICH, J. N. When should pilot discipline end and pilot savvy

p 228 A86-29891 An analysis of the dearth of assertiveness by subordinate crewmembers p 229

KONAGAYA, M.

A possible role for endogenous glucocorticoids in orchiectomy-induced atrophy of the rat levator ani muscle: Studies with RU38486, a potent and selective antiglucocorticoid NASA-CR-177029]

KONDA. N.

p 411 N86-30343

Cardiorenal-endocrine responses to head-out immersion p 91 A86-22666 Cutaneous vascular responses to heat simulated at a high altitude of 5.600 m p 252 A86-36219 KONDAKOVA, I. S.

Restraint system for waking Macaca mulatta monkeys during postural tests p 280 N86-27898 KONDRACHUK, A. V.

Dynamics of the cupula in the semicircular canal of the stibular analyzer p 421 A86-49339 KONDRAKOVA, O. A.

Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus

p 220 N86-23243 KONDRASHOV, A. Y.

Method of demonstrating calcium in human foot by neutron activation of (alpha, N)-sources p 287 N86-27899

KONDRASHOVA, M. N.

Mitochondrial manifestations of stress and response to hormonal stimulation and hydroaeroions

p 84 N86-16885 KONOVALOV, Y. D.

One aspect of crew training p 72 N86-15885 KONSTANTINOV, G. A.

Neurochemical mechanisms of artificial hypobiosis and chemical thermoregulation p 27 A86-15525 KONSTANTINOV M A

Individual typological self-regulation of cardio-vascular p 13 N86-10752 KOONCE, J. M.

The training and certification of the general aviation

[SAE PAPER 841468] p 132 A86-26013 Comparison of novice and experienced pilots using analog and digital flight displays p 227 A86-29865 KOPANEV, S. V.

Effect of active antiorthostatic conditioning on tolerance to cranial redistribution of blood p 175 N86-21135

The influence of the initial value of a parameter on its change under the action of external factors p 157 A86-29275

Determination of the load and stress on a cockpit crew during flight using tasking networks and the SAINT simulation language p 432 A86-47770 KORBUT, V. A.

Greenhouses with curvilinear planting surface

p 159 N86-21132

KOREIN, J. D. TEMPUS: Simulating personnel and tasks in a 3-D environment

[NASA-CR-171901] p 22 N86-10785 KORMILITSYN, A. V.

Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 KORNECKI, E.

Ecto-protein kinase activity on the external surface of neural cells p 207 A86-31650

KORNEVA, Z. N.

A study of the effect of ultrasound on the antigenic activity of human erythrocytes p 254 A86-36495 KOROLEV, L. A.

Heat adaptation during training by graded hyperthermia p 89 A86-22538

KOROLKOVA, T. A.

Spectral-correlation characteristics of EEG in the course of short-term memory tests. I - A study of spectral-correlation parameters of the potentials in the human neocortex during correct short-term memorizing p 419 A86-49263

KOROTAYEV. M. M.

Effect of active antiorthostatic conditioning on tolerance to cranial redistribution of blood p 175 N86-21135 KOROTKOV, Y. A.

Dynamics of changes of statistical indicators of heart rhythm of persons with different degree of motion sickness p 12 N86-10743

KORTE D. W. JR

Acute oral toxicity (LD50) of guanidine hydrochloride in [AD-A1657471 p 376 N86-28608

KORYAKINA, L. A.

Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice

p 5 N86-10766

KORZHOVA, V. V.

Experimental arrhythmia and its prevention p 174 N86-21129

KORZUN, E. I.

The electrokinetic properties of cell nuclei in the human buccal epithelium in conditions of motion sickness and hypoxia p 90 A86-22549 KOSHCHIY, G. N.

Homocamosin in rat brain during adaptation to cold p 5 N86-10762

KOSHELEV, V. N.

KOSMOLINSKII, F. P.

Heat transfer mechanism in human extremities p 14 N86-10759

Development of a zero-prebreathe spacesuit

p 96 A86-19304

Designing the conditions of life and work of cosmonauts (2nd revised and enlarged edition) p 290 A86-38984

Improvement in direction discrimination - No role for eve movements p 234 A86-32073 KOSOWER, E. M.

Bimane derivatives as fluorescent probes for biological macromolecules

AD-A1627251 p 160 N86-22088 KOSSLYN, S. M.

Visual hemispheric specialization: A computational

[AD-A161296] p 235 N86-23279

KOSTELIANETS, N. B.

Electroencephalograms and the read-out of information in the visual cortex during image recognition

p.33 A86-15512 The dynamics of the human estimation of image size and its neurophysiological correlates p 89 A86-22539 KOSTINA, L. N.

Experiments with developing plants aboard Salyut-5, Salvut-6 and Salvut-7 oribital stations

KOTAKA. S.

What is the parameters for the prediction of seasickness susceptibility? - On the point of view for visual-vestibular-somatosensory interaction

p 279 N86-27891

p 377 A86-41645

KOTANI M Effects of cation ions in nerve excitation

p 37 N86-12377

KOTCHMAR D .I. Health effects of ambient ozone exposure in vigorously

exercising adults [PB86-156940] p 258 N86-25989 KOTEROV. A. N.

Cyclic adenosine-3',5'-monophosphate and cyclic guanosine-3',5'-monophosphate in the blood plasma of mice injected with chemicals of different radioprotective efficiency KOTIK, M. A.

Control errors: Psychological causes - An automated method of analysis p 270 A86-35460

Forced expiration parameters in healthy man submitted to simulated weightlessness p 173 N86-21121

KOTOV, V. P. Restraint system for waking Macaca mulatta monkeys during postural tests p 280 N86-27898 KOTOVSKAYA, A. R.

Basic results of experiments with long-term rotation of rats as applied to the problem of artificial gravity
p 56 N86-15878

KOTROZOS, I.

The design of natural language interfaces [AD-A162181] p 242

p 242 N86-24220 KOUYAMA, T.

Photoconversion from the light-adapted to the dark-adapted state of bacteriorhodopsin p 374 A86-43434

KOVACH. A. J.

Static feed water electrolysis system for Space Station O2 and H2 generation [SAE PAPER 851339] p 138 A86-23526

KÖVALENKO, A. F.

Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 KOVALENKO, E. A.

Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Some results of a study of the bioenergetics of rat muscle in weightlessness p 49 A88-16754
The electrokinetic properties of cell nuclei in the human p 49 A86-16754

buccal epithelium in conditions of motion sickness and hypoxia KOVALENKO, Y. A.

Oxygenation and regional circulation in gingival mucosal under effect of head-to-pelvis tissues accelerations p 65 N86-15872

p 439 N86-32992

KOVALEV. E. E.

Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays

p 373 A86-41787 KOVALEV. Y. Y.

Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam

p 84 N86-16886 KOVALZON, V. M.

Hypnogenic activity of a cyclic structural analog of delta-sleep-inducing peptide p 105 A86-24368 KOVROV, B. G.

Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable

[IAF PAPER 85-308] p 45 A86-15820 KOZHEMIAKIN. L. A.

An anaerobic shift in energy metabolism in the mouse

brain during recovery from acute radiation sickne n 276 A86-39720

KOZHEVNIKOVA, L K.

Detection of HBsAg in families of children with viral hepatitis B p 218 N86-23232 KOZHUKHAR, A. Y.

HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 KOŽÍN, A. N.

Characteristics of external respiration in inhabitants of the northeastern USSR p 9 A86-10698 Respiratory function in inhabitants of northeastern p 119 N86-19845

KOZŁOVA, V. G.

Changes in the blood electric conductivity caused by body immersion p 90 A86-22543

KOZLOVSKAJA I R The effects of real and simulated microgravity on

p 193 A86-30390 vestibulo-oculomotor interaction KOZLOVSKAYA, I. B. Effect of 7-day immersion hypokinesia on characteristics

of precision movements p 65 N86-15874 Effect of immersion hypokinesia on characteristics of rogrammed voluntary movements p 173 N86-21119

KOZLOVSKIY, A. P. Psychoemotional pilot stress prior to ejection and its p 292 N86-27881 role in appropriate performance

KOZLOWSKI, S. Exercise hyperthermia as a factor limiting physical performance - Temperature effect

metabolism p 1 A86-10104 KOZYREVA, T. V.

Mechanism of noradrenaline effect on the skin termoreceptors p 103 A86-23491 thermoreceptors Development of responses to noradrenalin injection in control and cold-adapted rats p 373 A86-43424 KOZYREVSKAYA, G. I.

Body position during hypokinesia, and fluid-electrolyte metabolism p 60 N86-14853

KRAEMER, W. J.

Physiological effects of training

[AD-A157417] p 16 N86-11841 KRAFT, L.

Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454 KRAMER, A. F.

Event-related brain potentials and resource allocation - From dual-task decrements to dual-task integrality A86,33820

p 261 KRAMER. J.

The attitude and information components of the risk p 229 A86-29892 assessment-judgement process KRAMER, W. G.

Plasma volume and estimated liver plasma flow during hyperbaric and hyperoxic exposures in awake dogs p 52 A86-18841

KRASNOGOLOVETS, V. V.

Proton transfer in bacteriorhodopsin

p 413 A86-49345 Proton ejection from bacteriorhodopsin

p 413 A86-49346 Proton injection into bacterorhodopsin

D 414 A86-49347 The retinal cycle in bacteriorhodopsin

p 414 A86-49348

KRASNOV, I. B. Basic results of experiments with long-term rotation of

rats as applied to the problem of artificial gravity
p 56 N86-15878

KRASNOV, V. V. search for interstellar glycine

p 274 A86-33668 KRASNYKH, I. G. Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months

p 54 N86-14856 KRATIN, Y. G. TV monitoring control system in electrophysiological p 14 N86-10765 KRAUHS, J. M.

Endocrine and fluid metabolism in males and females of different ages after bedrest, acceleration and lower body negative pressure

[NASA-TM-58270] D 39 N86-13886

KRAUSE, N.

The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 p 223 N86-24193

KRAVCHUK, A. N.

Direct spectrophotometric method of assaying ammonia concentration in gas environment of seeding chambers p 280 N86-27900

KRAVIK, S. E.

Blood pressure and plasma renin activity as predictors of orthostatic intolerance p 32 A86-14312

KRAVTSOV, A. B.

Visual form perception from halftone images

p 120 N86-19847

KREIDICH IU V. The effects of real and simulated microgravity on vestibulo-oculomotor interaction p 193 A86-30390 KRESSIN. N. A.

Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 KRETSCH. M. J.

Energy expenditure and activity patterns of cadets at the United States Military Academy, West Point, New

[AD-A157857] p 38 N86-12960

KRICHEVSKAYA A A

Homocarnosin in rat brain during adaptation to cold p.5 N86-10762 KRIKORIAN, A. D.

Tissue culture apparatus for flight experimentation p 201 A86-30444

KRIKUN, I. S.

Man's tolerance to fulminant form of hypoxic hypoxia p 66 N86-15879

KRISTJANSSON, H.

Dicyclohexylcarbodiimide-sensitive **ATPase** alobacterium saccharovorum p 49 A86-16902 Is the ATPase from halobacterium saccharovorum an Halobacterium saccharovorum p 306 N86-26891 evolutionary relic? KRIVOSHCHEKOV, S. G.

The mechanisms of muscle activity regulation in humans depending on biorhythm type p 254 A86-36528 KRIZEK. L

Hygienic aspects of water supply for chamber sanitary facilities, changes of divers' bacterial mouth flora and effectiveness of ear prophylaxis in saturation dives p 124 N86-19874

KROBUSEK, R. D.

Aircrew aspects of United Stated future fighter aircraft p 398 N86-30310

KROEMER, K. H. E.

Preferred declination of the line of sight p 406 A86-45014

KROL, V. M.

Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 KRONAUER, R. Ė.

Phase shifting two coupled circadian pacemakers mplications for jet lag p 377 A86-40684 KROPOTOV. IU. D.

Neuronal reactions and evoked potentials in the subcortical brain structures in the process of visual recognition. I - Formulation of the problem and basic p 9 A86-10696 methods for its solution

Neurons as detectors of errors in the subcortical p 111 A86-24307 structures of the human brain Neuronal responses and the evoked potentials in

subcortical structures of the human brain during visual recognition. II - The effect of stimuli relevance on the evoked neuronal responses p 216 A86-30894 KROPOTOV, Y. D.

Neuronal response and evoked potentials in subcortical formations in visual perception. Part 1: Problem formulation and principles of solution

p 119 N86-19844 KROTOV, V. P.

Investigation of possibility of using two-frequency impedometry for estimation of proportion of total and extracellular body fluids KRUCHININA, N. Á.

Types of work capacity and the frequency of the development of ischemic heart disease and hyperto p 34 A86-15516

KRUEGER, A. G.

An engineering test and evaluation of several new anti-G p 430 A86-47734 KRUK R

Exercise hyperthermia as a factor limiting physical performance - Temperature effect on muscle p 1 A86-10104 metabolism

KRUK, R.

Flight test of a displacement sidearm controller

KRUK. R. V.

Helicopter flight control with one hand p 269 A86-34923

Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary

AD-A1595121 n 53 N86-14842 KRUSHEL NITSKIY Y

Meteorological adaptation research at biology institute p 158 N86-20890

KRUTYANSKAYA. G. I.

Investigation of reactogenic and antigenic activity of chromatographically purified, concentrated and inactivated dry vaccine against tick borne encephalitis

p 119 N86-19837

Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity p 417 A86-47741 KRUTZ. R. W.

The relationship of intravascular bubbles to bends at altitude p 418 A86-47765

KRUTZ. R. W., JR.

Minimum pressure for a zero-prebreathe pressure suit [SAE PAPER 851315] p 137 A86-23505

KRYLOV, I. N.

The oldest traces of life (according to papers presented at the 27th session of the International Geological

Congress) p 47 A86-13974

Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments

p 210 N86-23237

KUBAN, D. P. Advanced servomanipulator development

[DE85-017720] p 100 N86-17989

KUBASOV, V. N. Cosmonaut training

p 293 A86-38988

KUBILIS, P. S. A comparison of the protection against immersion hypothermia provided by Coast Guard anti-exposure

clothing in calm versus rough seas [AD-A158413] p 75 N86-14898

KUDIA, L. M. Extremely Low Frequency (ELF) communications

system bio-effects library development [AD-A1628391 p 225 N86-24204 ELF (Extremely Low Frequency) biological effects

literature data base management system [AD-A162900] p 225 N86-24205

KUDINOVA, M. P.

The alleviating effect of arbitrary movements on the vestibulomotor p 216 A86-30898

KUDRIASHOV. IU. A. Changes in the vascular functions of skeletal muscles due to acute hypothermia p 3 A86-12522

KUDRIASHOV, IU. B.

Radiation-sickness mechanisms p 27 A86-15444 KUDRIAVTSEVA. I. N.

Responses of cat red-nucleus neurons to auditory sianals p 52 A86-18181

KUDRYASHOVA, Z. M. Man's tolerance to fulminant form of hypoxic hypoxia p 66 N86-15879

KUEPPERS, B.-O.

Molecular theory of evolution: Ou physico-chemical theory of the origin of life Outline of a p 76 A86-17623

KUES, H. A.

Nonionizing radiation damage in the eye

p 251 A86-33838 KUHN, F. E. Testosterone and muscle hypertrophy in female rats

p 2 A86-12026

p 5 N86-10766

KUIPERS, R. M. Early detection and treatment of avascular bone necrosis p 124 N86-19872

KUKULIANSKAIA, M. F.

Changes in the carbohydrate energy metabolism in the rat brain under laser radiation p 276 A86-39719 KULAYEV, B. S.

Investigation of possibility of using two-frequency impedometry for estimation of proportion of total and extracellular body fluids p 66 N86-15888

KULIKOV, A. V. Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice

KULIKOV, V. IU.

The mechanism of the adaptogenic effect of tocopherol in prolonged cold exposure p 414 A86-49367

p 202 A86-30458

~111	INSKII.		
NUL	ルママルリル	₹.	1

Investigation of mechanisms of the radioprotective effect of agonists of catecholamine receptors - Involvement of subtypes of alpha-adrenoreceptors radioprotective effect p 208 A86-32698 KULKARNI, J. S.

Medical evaluation of cosmonauts - Physiological stress testina p 11 A86-12427

EEG studies in episodic unconsciousness, seizure disorder and syncope p 12 A86-12434

Evaluation of precordial mapping before and after submaximal exercise amongst normal and asymptomatic subjects with non specific ST-T abnormalities

p 251 A86-35290 Respiratory diseases - Aeromedical aspects including disposal KULLMAN, R. D.

Soft contact lens wear during +G(Z) acceleration [AD-A165013] p 289 N86-27915 KULWICKI, P. V.

A technology forecasting and assessment method for evaluating system utility and operator workload

p 142 A86-23704

KUMAR, P. requirements for Space Station p 2 em architectural p 269 A86-34957

KUMAROO, K. K. Effects of pressure on uptake and release of calcium hy brain synaptosomes p 247 A86-36225

Hydrogen production from salt water by Marine blue green algae and solar radiation p 245 A86-34985

Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary

(AD-A159512) p 53 N86-14842 KUNZ, T. H.

The effect of a microwave radiation (2.45 GHz CW) on the molt of house finches (Carpodacus Mexicanus)

p 52 A86-18513

Morphology of human embryonic kidney cells in cultur after space flight p 201 A86-30452

KUPERMAN, A. M. Visual form perception from halftone images

p 120 N86-19847 KUPERMAN. G.

Color coding of synthetic aperture radar imagery

p 142 A86-23713 KUPERMAN, G. G.

A digital image processing facility for human factors p 143 A86-23737 Feature positive coding effects on object localization

p 267 A86-33789 Pro-SWAT applied to advanced helicopter crew station p 267 A86-33795 concepts A workload analysis for strategic conventional standoff

capability missions KUPRIYANOV, A. A.

Use of flight simulators for demonstration of functional p 72 N86-15870 capacities of flight personnel KURMANALIEVA, R.

Use of a linguistic test in the course of large-scale physiological selection of men for work in an advers environment p 35 A86-15523 KUROCHKIN, I. V.

Experimental estimate of the parameters of a stochastic model of a human operator sensor system

p 407 A86-45117 KURT-UMEROV, V. O.

Modeling of perception and decision-making processes p 183 A86-27094 KUTSENKO, A. I.

Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833 KUTYNA, F. A.

Human physiological adaptation to extended Space Flight and its implications for Space Station

[SAE PAPER 851311] p 110 A86-23502 KUZIUTA, E. I.

Prediction of the functional state of the body during adaptation to high altitudes p 31 A86-13298 KUZMINA, G. I.

Interaction of the thermoreceptor and vestibular signals in the regulation of the activity of flexor and extensor motor nuclei during cold tremors KVETNANSKY, R. p 103 A86-23493

Catecholamine content of single brain nuclei in August rats following immobilization stress p 3 A86-12521 KVETON, V.

Meteorotropic changes of cardiac patients' blood pressure and pulse frequency during a complex bath cure p 166 N86-21031

Weather and subjective health complications in cardia patients p 167 N86-21032 KWONG, E.

Carbon isotopic fractionation in heterotrophic microbial metabolism p 371 A86-40669 Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, Mexico: Implications for stromatolite S13C values p.308 N86-26900

KYLLONEN, P. C.

Theory-based cognitive assessment [AD-A164083] . р 266 N86-25991

L

LAANANEN, D. H.

The use of ellipsoidal solids to display human body dynamic response p 272 A86-36852 Simulation of aircraft seat response to a crash p 272 A86-36879 Validation of SOM-LA occupant response

[SAE PAPER 850850] p 293 A86-38510 LABETSKAYA, O. I.

Metabolic distinctions of human red blood during long-term spaceflights p 60 N86-14850 Effect of intensive operator work on lipid peroxidation p 286 N86-27882 processes in man

caffeine Enhanced metabolic response to p 7 A86-10106 exercise-trained human subjects LACEFIELD, D. J.

Drugs of abuse in aviation fatalities. 1: Marijuans AD-A1619111 p 223 N86-24196 LACEY, J. C., JR.

Rationalization of some genetic anticodonic p 189 A86-28723 Chirally selective, intramolecular interaction observed in p 372 A86-41046 an aminoacyl adenylate anhydride Intramolecular interactions in aminoacyl nucleotides: Implications regarding the origin of genetic coding and protein synthesis p.302 N86-26873 LACKNER, J. R.

The effective intensity of Coriolis, cross-coupling stimulation is gravitoinertial force dependent - Implications p 163 A86-29093 for space motion sickness Sudden emesis following parabolic flight maneuvers Implications for space motion sickness

p 250 A86-33759 Head movements in non-terrestrial force environments elicit motion sickness - Implications for the etiology of space motion sickness p 253 A86-36315

Remarkable metabolic availability of oral glucose during p 216 A86-30684 long-duration exercise in humans

Effect of elevated FFA on carbohydrate and lipid oxidation during prolonged exercise in humans

p 215 A86-30679

The synthesis of primitive 'living' forms - Definitions. goals, strategies and evolution synthesizers p 372 A86-41045

Adsorption and condensation of amino acids and nucleotides with soluble mineral salts p 301 N86-26869

LAKATTA, E. G.

Age-related augmentation of plasma catecholamines during dynamic exercise in healthy males p 10 A86-12376

LAM. W.

Single stage rapid response anti-G valve p 432 A86-47762

LANCE, N. Electrochemical CO2 concentration for the Space

Station Program [SAE PAPER 851341] p 138 A86-23528

LANCE, N., JR. An expert systems approach to automated fault management in a regenerative life support subsystem

[AIAA PAPER 86-0321] p 98 A86-19811 LANDSTROM, D. K.

An engineering analysis of a closed cycle plant growth nodule p 150 N86-19919 LANDY, F. J.

Adaptive motivation theory

[AD-A157440] p 21 N86-11851

LANE. D. M.

Does location cueing increase the efficiency of the early stages of perceptual processing? p 129 A86-23722 LANGAN-FOX. C. P.

'Actions not as planned' in military air-traffic control p 70 A86-18546

LANGE, C. B.

Microplankton species assemblages at the Scripps Pier from March to November 1983 during the 1982-1984 El p 207 A86-31833 Nino event

LANGE, R. D.

Regulation of hematopoiesis in rats exposed to antiorthostatic hypokinetic/hypodynamia. II - Mechanisms p 80 A86-20404 Hematologic parameters of astrorats flown on SL-3

LANGENBERG-PANZER, S. L.

Reduction of circadian disruption following surgery by ingestion of caffeine in the laboratory rat p 201 A86-30447

LANYI, J. K.

Functional and evolutionary relationships between bacteriorhodopsin and halorhodopsin in the archaebacterium, halobacterium halobium p 306 N86-26892

LANZETTA, T. M.

Information processing in vigilance performance Complexity revisited p 259 A86-33778

LAPA, V. V.

Investigation of factors determining pilot's geocentric rientation p 72 N86-15868 orientation

LAPAEV. E. V. Determination of vestibular asymmetry with application to aviation medicine p 31 A86-13299

LAPAYEV. E. V. Cumulative effect of coriolis accelerations on coronary hemodynamics p 61 N86-14861

Spatial illusions of vestibular genesis during flights in aircraft p 172 N86-21115 LAPENKO, N. T.

Phases of muscular thermogenesis under experimental p 373 A86-43425 hyperthyrosis LAPIERRE, D.

Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers p 122 N86-19863

LAPOINTE M. R. The retrieval, storage, and recycling of water for a manned base on Mars

FAAS 84-1801 p 186 A86-28806

SHINA. N. A.

Characteristics of accelerations in aerobatic flight as a sport p 172 N86-21117

Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833 LARGER, C.

Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers p 122 N86-19863

LARKIN, W. D.

Human reactions to transient electric currents [PB86-117280] p 222 N86-23277 LARKINS, J. T.

Static feed water electrolysis system for Space Station O2 and H2 generation [SAE PAPER 851339]

p 138 A86-23526 LARKOV, V. A. Condition of cardiovascular system in presence of acute

ountain sickness p 174 N86-21127 LARRY, C. Age, degraded viewing environments, and the speed

of accommodation p 87 A86-20407 LARSEN, R.

The effect of spironolactone on the cardiocirculatory responses to upright tilt at sea level and at simulated high attitude [AD-A157734] p 39 N86-13887

LARSEN, R. F. Effect of spironolactone on acute mountain sickness

p 377 A86-41781 LARSON, A. The retrieval, storage, and recycling of water for a

manned base on Mars [AAS 84-180] p 186 A86-28806 LARSSON, G.

Report from a behavioral science study grip to Australia, 23 Aug. - 10 Sep. 1985 [FOA-C-50027-H3]

p 235 N86-23280 Rapid measurement of individual stress reaction level: Development of the Emotional Reaction Questionnaire

(ESRQ) [FOA-C-50034-H3] p 383 N86-29506 LASLEY, M. L.

Physical, anthropometrical, and body composition characteristics of workers at Kennedy Space Center [NASA-TM-83102] p 272 N86-25122

LATIMER, J. G. Effects of mechanical stresses, abscisic acid, and outdoor exposure on growth and water relations of

eggplant LAUBER, J. K. p 196 A86-30416 Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature

[NASA-TM-88197]

p 92 N86-16890

Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in the atmosphere p 280 N86-27903

LAUGHLIN, J. S.	LEDOVSKOY, S. M.	LENOX, R. H.
Biomedical research with cyclotron produced radionuclides	Some human reactions during 7-day antiorthostatic hypokinesia p 286 N86-27885	Ecto-protein kinase activity on the external surface of neural cells
[DE86-000327] p 221 N86-23269	LEE, J. A.	neural cells p 207 A86-31650 LENTZ, R. J.
LAUGHLIN, M. H.  The effects of +Gz on the coronary circulation - A	Calcium antagonists in the prevention of motion	Retrospective analysis of Naval Special Boards of Flight
review p 86 A86-20401	sickness p 87 A86-20405 LEE, K. W.	Surgeons, 1974-83 p 251 A86-33763 LEONARD, J. I.
LAURER, G. R.	Stochastic models of man-machine system	Understanding metabolic alterations in space flight using
In vivo detection, localization and measurement of radionuclides in man: a detection system for the localization	effectiveness p 242 N86-24216	quantitative models - Fluid and energy balance
and measurement of small amounts of photon emitters	LEE, M. C.  Comparison of CO2 reduction process - Bosch and	[IAF PAPER 85-325] p 36 A86-15830 Development of countermeasures for use in space
[DE85-017601] p 93 N86-16893 LAURIG, W.	Sabatier	missions
Techniques of asking questions in the evaluation of	[SAE PAPER 851343] p 139 A86-23530	[IAF PAPER 85-327] p 36 A86-15832 LEOPOLD, A. C.
man-machine systems p 433 A86-47774	LEE, P. Strength modeling report	Gravistimulation-induced changes in current patterns
LAURINAVICIUS, R. S. Investigations of higher plants under weightlessness	[NASA-CR-171896] p 15 N86-10770	around root caps p 196 A86-30411
p 192 A86-30388	LEE, S. S.	LEPPLA, S. H.  Cloning and analysis of genes for anthrax toxin
LAUROVA, V. M.  Changes in the carbohydrate energy metabolism in the	Carbon dioxide evolution rate as a method to monitor and control an aerobic biological waste treatment	components
rat brain under laser radiation p 276 A86-39719	system p 151 N86-19930	[AD-A161901] p 212 N86-24186 <b>LESKIN, G. S.</b>
LAVIE, P.	LEE, T. W.	Effect of positive pressure breathing on hemodynamics
A 24-hour structure of vigilance under prolonged sleep deprivation: Relationship with performance	Application of screw calculus to the evaluation of manipulator workspace	in patients with borderline hypertension submitted to water
[AD-A167399] p 422 N86-32089	[AD-P004947] p 75 N86-14946	immersion p 61 N86-14855 LESSARD, C. S.
LAVRENTEV, G. A.	LEE, W. R.	Correlation of constant flow rate with frequency
Simulation of thermal polycondensation processes of amino acids during the migration of their aqueous solutions	Molecular mechanisms of mutagenesis determined by the recombinant DNA technology	spectrum of respiratory sounds when measured at the
in the earth's lithosphere p 274 A86-34489	[DE85-016353] p 30 N86-13884	trachea p 217 A86-31223 Analysis of nystagmus response to a pseudorandom
LAYCOCK, J.	LEGEZA, V. I.	velocity input p 402 N86-31426
Human factors: The Cinderella discipline in cockpit interface design p 294 N86-26825	The effect of radiation on the concentration and	LESSARD, E. T.
LAYNE, S. P.	metabolism of dopamine in the rat brain p 276 A86-39722	Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954
Raman activity in synchronously dividing bacteria	LEGROS, P.	[DE85-014695] p 17 N86-11846
[DE85-015672] p 28 N86-12951 LAZAR, I.	Time course of muscular blood metabolites during	LESTER, L. F.
Hypokinezia and space flight reflected on rats	forearm rhythmic exercise in hypoxia p 252 A86-36222	Private pilot judgment training in flight school settings - A demonstration project p 228 A86-29890
stomach p 200 A86-30442	LEGUAY, G.	LESTER, P. T.
LAZARENKO, P. V.  Thermoregulatory reactions to chilling in ice-cold water	Complete right branch blocking and the flight fitness	Inflight evaluation of four measures of pilot workload
in fans of winter swimming p 90 A86-22544	of pilots p 31 A86-13567 Gastric and duodenal ulcers and the flight fitness of	p 130 A86-23745 LETAW, J. R.
Development of responses to noradrenalin injection in	pilots p 113 A86-24509	Radiation transport of cosmic ray nuclei in lunar material
control and cold-adapted rats p 373 A86-43424  LEA, I. T.	Mitral valve prolapse in a young person - An estimation	and radiation doses p 191 A86-30168
Further studies on the application of the	of the risk of arrhythmia - The impact on the flight fitness of a pilot p 113 A86-24510	LEU, A.
compartmentalization/airlock concept to aircraft and	Flight fitness and a past myocardial infarction	Carbon isotopic fractionation in heterotrophic microbial metabolism p 371 A86-40669
spacecraft p 53 A86-18842 LEACH, C. S.	p 281 A86-39772	LEUPP, D. G.
Fluid and electrolyte control in simulated and actual	Continuous ECG monitoring of Mirage 2000 pilots (comparison with Mirage 3 and F1 pilots)	Team performance with large and small screen
spaceflight p 214 A86-30385	p 399 N86-30315	displays [AD-A158761] p 75 N86-14899
Endocrine and fluid metabolism in males and females of different ages after bedrest, acceleration and lower body	LEHNER, P. E.	[AU-A158761] p 75 N86-14899 LEUTIN, V. P.
negative pressure	Human factors in rule-based systems [AD-A165309] p 295 N86-26840	The risk of arterial hypertension and the features of
[NASA-TM-58270] p 39 N86-13886	LEHNERT, B. E.	functional brain asymmetry in workers employed in
LEBAN, F.  Modified superposition: A simple time series approach	Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169	regularly repeated expedition-type work p 88 A86-22534
to closed-loop manual controller identification	gravity - A theoretical study p 213 A86-30169 LEIBOWITZ, H. W.	LEVASHOV, A. V.
p 442 N86-33009	Tachygastria and motion sickness p 32 A86-14315	Micellar enzymology p 109 N86-19831
Changes in the heart rate and in the cerebral vascular	LEIGHTY, R.  The importance of specialized cognitive function in the	LEVASHOV, M. M.
tonus affected by alternating physical and mental loads	The importance of specialized countries function in the	Significance of ventileular requirement and discretican-1
		Significance of vestibular recruitment and directional dominance of nystagmus in diagnostic tests
p 89 A86-22535	selection of military pilots [AD-A165889] p 404 N86-30330	dominance of nystagmus in diagnostic tests p 62 N86-14864
P 89 A86-22535	selection of military pilots [AD-A165889] p 404 N86-30330 <b>LEITCH, D. R.</b>	dominance of nystagmus in diagnostic tests p 62 N86-14864 LEVENS, M. J.
p 89 A86-22535  LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676	selection of military pilots [AD-A165889] p 404 N86-30330  LEITCH, D. R.  Electrocardiographic changes in serious decompression	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J. Effect of simulated weightlessness and chronic
p 89 A86-22535  LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.	selection of military pilots [AD-A165889] p 404 N86-30330 LEITCH, D. R. Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254	dominance of nystagmus in diagnostic tests p 62 N86-14864 LEVENS, M. J.
p 89 A86-22535  LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision	selection of military pilots [AD-A165889] p 404 N86-30330  LEITCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.
p 89 A86-22535  LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision	selection of military pilots [AD-A165889] p 404 N86-30330  LEITCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J. Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S. How does skeletal muscle effectively function both in
p 89 A86-22535  LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness p 58 A86-18831  Spinal cord decompression sickness - A comparison of	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.
p 89 A86-22535  LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision	selection of military pilots [AD-A165889] p 404 N86-30330  LEITCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements? p 105 A86-24308  LEVIN, A. D.
p 89 A86-22535  LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles  [AD-A156969] p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness p 58 A86-18831  Spinal cord decompression sickness - A comparison of	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements? p 105 A86-24308  LEVIN, A. D.  Effect of nonionizing microwave radiation on the
LEBEDEV, N. N. Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L. Mild hypoxia and visual performance with night vision goggles p 249 A86-33755 Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  LEBLANC, A. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements? p 105 A86-24308  LEVIN, A. D.
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles  [AD-A156969] p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  LEBLANC, J.	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness  p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model  p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements? p 105 A86-24308  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A88-24425  LEVIN, IA. I.
LEBEDEV, N. N. Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L. Mild hypoxia and visual performance with night vision goggles p 249 A86-33755 Mild hypoxia and visual performance with night vision goggles [AD-A156969] p 23 N86-10787  LEBLANC, A. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements? p 105 A86-24308  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425  LEVIN, IA. I.  The effect of 24-hr sleep deprivation on the metabolism
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles  [AD-A156969] p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging  [NASA-CR-171928] p 170 N86-21105  LEBLANC, J.  Enhanced metabolic response to caffeine in exercise-trained human subjects p 7 A86-10106  Energy balance in exercise-trained rats acclimated at	selection of military pilots [AD-A165889] p 404 N86-30330  LEITCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886  LEMAIGNEN, L  Hermes ECLSS - Review of general requirements and application to the spaceplane definition	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements?  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425  LEVIN, IA. I.  The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  LEBLANC, J.  Enhanced metabolic response to caffeine in exercise-trained human subjects p 7 A86-10106  Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886  LEMAIGNEN, L.  Hermes ECLSS - Review of general requirements and application to the spaceplane definition [IAF PAPER 85-304] p 45 A86-15817	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements? p 105 A86-24308  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum p 106 A86-24425  LEVIN, IA. I.  The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700  LEVIN, Y. I.  Effects of 24 h sleep deprivation on biogenic amine
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles  [AD-A156969] p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging  [NASA-CR-171928] p 170 N86-21105  LEBLANC, J.  Enhanced metabolic response to caffeine in exercise-trained human subjects p 7 A86-10106  Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685  LEBUIS, D. A.	selection of military pilots [AD-A165889] p 404 N86-30330  LEITCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness  p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model  p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886  LEMAIGNEN, L  Hermes ECLSS - Review of general requirements and application to the spaceplane definition [IAF PAPER 85-304]  LEMESHCHENKO, N. A.  Investigation of factors determining pilot's geocentric	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements? p 105 A86-24308  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425  LEVIN, IA. I.  The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700  LEVIN, Y. I.  Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  LEBLANC, J.  Enhanced metabolic response to caffeine in exercise-trained human subjects p 7 A86-10106  Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685  LEBUIS, D. A.  Multiparameter data acquisition systems for studies of Circadian rhythms	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886  LEMAIGNEN, L.  Hermes ECLSS - Review of general requirements and application to the spaceplane definition [IAF PAPER 85-304] p 45 A86-15817  LEMESHCHENKO, N. A.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements?  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425  LEVIN, IA. I.  The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700  LEVIN, Y. I.  Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846  LEVINE, S. N.
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging p 170 N86-21105  LEBLANC, J.  Enhanced metabolic response to caffeine in exercise-trained human subjects p 7 A86-10106  Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685  LEBUIS, D. A.  Multiparameter data acquisition systems for studies of Circadian rhythms  [DE86-004041] p 398 N86-30308	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886  LEMAIGNEN, L.  Hermes ECLSS - Review of general requirements and application to the spaceplane definition [IAF PAPER 85-304] p 45 A86-15817  LEMESHCHENKO, N. A.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements? p 105 A86-24308  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425  LEVIN, IA. I.  The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700  LEVIN, Y. I.  Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles  [AD-A156969] p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging  [NASA-CR-171928] p 170 N86-21105  LEBLANC, J.  Enhanced metabolic response to caffeine in exercise-trained human subjects p 7 A86-10106  Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685  LEBUIS, D. A.  Multiparameter data acquisition systems for studies of Circadian rhythms  [DE86-004041] p 398 N86-30308  LECHELER, J.	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness  p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886  LEMAIGNEN, L.  Hermes ECLSS - Review of general requirements and application to the spaceplane definition [IAF PAPER 85-304] p 45 A86-15817  LEMESHCHENKO, N. A.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  LEMOT, J.  Physical training of Mirage 2000 pilots	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements?  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425  LEVIN, IA. I.  The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700  LEVIN, Y. I.  Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846  LEVINE, S. N.  Exercise conditioning increases rat myocardial calcium uptake p 276 A86-39097
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles  [AD-A156969] p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging  [NASA-CR-171928] p 170 N86-21105  LEBLANC, J.  Enhanced metabolic response to caffeine in exercise-trained human subjects p 7 A86-10106  Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685  LEBUIS, D. A.  Multiparameter data acquisition systems for studies of Circadian rhythms  [DE86-004041] p 398 N86-30308  LECHELER, J.  Weather and asthma symptoms p 166 N86-21029  Height-dependent reduction of airborne pollen and	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness  Spinal cord decompression sickness p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886  LEMAIGNEN, L.  Hermes ECLSS - Review of general requirements and application to the spaceplane definition [IAF PAPER 85-304] p 45 A86-15817  LEMESHCHENKO, N. A.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  LEMOT, J.  Physical training of Mirage 2000 pilots p 401 N86-30324  LENCKI, W.	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements?  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425  LEVIN, IA. I.  The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700  LEVIN, Y. I.  Effects of 24 h sleep deprivation on biogenic amine p 120 N86-19846  LEVINE, S. N.  Exercise conditioning increases rat myocardial calcium uptake p 276 A86-39097  LEVINSKIKH, M. A.  Investigation of distinctions referable to growth,
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles  [AD-A156969] p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging  [NASA-CR-171928] p 170 N86-21105  LEBLANC, J.  Enhanced metabolic response to caffeine in p 7 A86-10106  Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685  LEBUIS, D. A.  Multiparameter data acquisition systems for studies of Circadian rhythms  [DE86-004041] p 398 N86-30308  LECHELER, J.  Weather and asthma symptoms p 166 N86-21029  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial	selection of military pilots [AD-A165889] p 404 N86-30330  LEITCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886  LEMAIGNEN, L.  Hermes ECLSS - Review of general requirements and application to the spaceplane definition [IAF PAPER 85-304]  LEMESHCHENKO, N. A.  Investigation of factors determining pilot's geocentric orientation  LEMOT, J. Physical training of Mirage 2000 pilots p 401 N86-30324  LENCKI, W.  Animal studies on Spacelab-3	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements? p 105 A86-24308  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425  LEVIN, IA. I.  The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700  LEVIN, Y. I.  Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846  LEVINE, S. N.  Exercise conditioning increases rat myocardial calcium uptake p 276 A86-39097  LEVINSKIKH, M. A.  Investigation of distinctions referable to growth, development and metabolism of Closteriopsis acicularis
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 249 A86-30757  LEBLANC, A.  In vivo nuclear magnetic resonance imaging p 170 N86-21105  LEBLANC, J.  Enhanced metabolic response to caffeine in exercise-trained numan subjects p 7 A86-10106  Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685  LEBUIS, D. A.  Multiparameter data acquisition systems for studies of Circadian rhythms  [DE86-004041] p 398 N86-30308  LECHELER, J.  Weather and asthma symptoms p 166 N86-21029  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness  Spinal cord decompression sickness p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886  LEMAIGNEN, L.  Hermes ECLSS - Review of general requirements and application to the spaceplane definition [IAF PAPER 85-304] p 45 A86-15817  LEMESHCHENKO, N. A.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  LEMOT, J.  Physical training of Mirage 2000 pilots  LENCKI, W.  Animal studies on Spacelab-3 [NASA-TM-88212] p 92 N86-16889  LENCKI, W. A.	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements?  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425  LEVIN, IA. I.  The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700  LEVIN, Y. I.  Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846  LEVINE, S. N.  Exercise conditioning increases rat myocardial calcium uptake p 276 A86-39097  LEVINSKIKH, M. A.  Investigation of distinctions referable to growth, development and metabolism of Closteriopsis acicularis alage when cells are limited in nitrogen as related to biological life-support systems for man
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles  [AD-A156969] p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging  [NASA-CR-171928] p 170 N86-21105  LEBLANC, J.  Enhanced metabolic response to caffeine in p 7 A86-10106  Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685  LEBUIS, D. A.  Multiparameter data acquisition systems for studies of Circadian rhythms  [DE86-004041] p 398 N86-30308  LECHELER, J.  Weather and asthma symptoms p 166 N86-21029  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness  p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model  p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886  LEMAIGNEN, L  Hermes ECLSS - Review of general requirements and application to the spaceplane definition [IAF PAPER 85-304] p 45 A86-15817  LEMESHCHENKO, N. A.  Investigation of factors determining pilot's geocentric orientation  LEMOT, J.  Physical training of Mirage 2000 pilots  p 401 N86-30324  LENCKI, W.  Animal studies on Spacelab-3 [NASA-TM-88212] p 92 N86-16889  LENCKI, W. A.  Ames Research Center life sciences payload - Overview	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements? p 105 A86-24308  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425  LEVIN, I. I.  The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700  LEVIN, Y. I.  Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846  LEVINE, S. N.  Exercise conditioning increases rat myocardial calcium uptake p 276 A86-39097  LEVINSKIKH, M. A.  Investigation of distinctions referable to growth, development and metabolism of Closteriopsis acicularis algae when cells are limited in nitrogen as related to biological life-support systems for man
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles p 250  [AD-A156969] p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging p 170 N86-21105  LEBLANC, J.  Enhanced metabolic response to caffeine in p 7 A86-10106  Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685  LEBUIS, D. A.  Multiparameter data acquisition systems for studies of Circadian rhythms  [DE86-004041] p 398 N86-30308  LECHELER, J.  Weather and asthma symptoms p 166 N86-21029  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036  LECLERCQ, J.  Radioprotection update  [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness  p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886  LEMAIGNEN, L.  Hermes ECLSS - Review of general requirements and application to the spaceplane definition [IAF PAPER 85-304] p 45 A86-15817  LEMESHCHENKO, N. A.  Investigation of factors determining pilot's geocentric orientation p 72 N86-15868  LEMOT, J.  Physical training of Mirage 2000 pilots p 401 N86-30324  LENCKI, W.  Animal studies on Spacelab-3 [NASA-TM-88212] p 92 N86-16889  LENCKI, W. A.  Ames Research Center life sciences payload - Overview of results of a spaceflight of 24 rats and 2 monkeys	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements? p 105 A86-24308  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425  LEVIN, IA. I.  The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700  LEVIN, Y. I.  Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846  LEVINE, S. N.  Exercise conditioning increases rat myocardial calcium uptake p 276 A86-39097  LEVINSKIKH, M. A.  Investigation of distinctions referable to growth, development and metabolism of Closteriopsis acicularis algae when cells are limited in nitrogen as related to biological life-support systems for man
LEBEDEV, N. N.  Digestive system rhythms and the body's biological clock p 391 A86-43676  LEBER, L. L.  Mild hypoxia and visual performance with night vision goggles p 249 A86-33755  Mild hypoxia and visual performance with night vision goggles  [AD-A156969] p 23 N86-10787  LEBLANC, A.  In vivo nuclear magnetic resonance imaging  [NASA-CR-171928] p 170 N86-21105  LEBLANC, J.  Enhanced metabolic response to caffeine in exercise-trained human subjects p 7 A86-10106  Energy balance in exercise-trained rats acclimated at two environmental temperatures p 206 A86-30685  LEBUIS, D. A.  Multiparameter data acquisition systems for studies of Circadian rhythms  [DE86-004041] p 398 N86-30308  LECHELER, J.  Weather and asthma symptoms p 166 N86-21029  Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma	selection of military pilots [AD-A165889] p 404 N86-30330  LETCH, D. R.  Electrocardiographic changes in serious decompression sickness [AD-A160944] p 2 A86-10254  Additional pressurisation for treating nonresponding cases of serious air decompression sickness  p 58 A86-18831  Spinal cord decompression sickness - A comparison of recompression therapies in an animal model  p 372 A86-41784  LEKAREV, A. V.  Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886  LEMAIGNEN, L  Hermes ECLSS - Review of general requirements and application to the spaceplane definition [IAF PAPER 85-304] p 45 A86-15817  LEMESHCHENKO, N. A.  Investigation of factors determining pilot's geocentric orientation  LEMOT, J.  Physical training of Mirage 2000 pilots  p 401 N86-30324  LENCKI, W.  Animal studies on Spacelab-3 [NASA-TM-88212] p 92 N86-16889  LENCKI, W. A.  Ames Research Center life sciences payload - Overview	dominance of nystagmus in diagnostic tests p 62 N86-14864  LEVENS, M. J.  Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425  LEVIK, IU. S.  How does skeletal muscle effectively function both in the case of posture maintenance and twitch movements? p 105 A86-24308  LEVIN, A. D.  Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425  LEVIN, I. I.  The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700  LEVIN, Y. I.  Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846  LEVINE, S. N.  Exercise conditioning increases rat myocardial calcium uptake p 276 A86-39097  LEVINSKIKH, M. A.  Investigation of distinctions referable to growth, development and metabolism of Closteriopsis acicularis algae when cells are limited in nitrogen as related to biological life-support systems for man

monkeys [AIAA PAPER 86-0583]

p 79 A86-19963

trauma [AD-A160436]

p 108 N86-18959

LEV	/IS	ON,	w.	. н.		
	Α	linea	ır,	dynamic	model	fo

r the visual-cortical evoked p 183 A86-28432 Descriptive Linear modeling of steady-state visual evoked response p 436 N86-32977 Some computational techniques for estimating human operator describing functions

LEVITSKAYA, A. V. Clinico-epidemiological characteristics of Q fever in Carpathian foothills p 118 N86-19834 LEVITSKII, A. P.

The effect of kallikrein on the development of a general adaptation syndrome p 49 A86-16751 LEVKOVICH, IU. I.

Visual-contrast measurement - Measurement of the

spatial transfer functions of the visual system p 27 A86-15467

LEVY. L. Monitoring of circadian waveforms in rodents exposed to high-intensity static magnetic fields

p 28 N86-12952 [DE85-015225] LEVY, R. A. Self-control of psychophysiologic response to motion

stress Using biofeedback to treat sickness p 70 A86-18833

LEWANDOWSKI, L. J. The effects of bimodal presentation of stimuli and noise

on target detection [AD-A160122] p 134 N86-18981 Multimodal versus unimodal information processing of

[AD-A160517]

p 134 N86-18984

Rule-based analysis of pilot decisions p 261 A86-33816

Issues in rule identification and logical induction p 434 A86-49634

Pilot interaction with automated airborne decision making systems [NASA-CR-177002] p 385 N86-29508

Pilot interaction with automated airborne decision making systems [NASA-CR-176986] p 408 N86-31218

Representation for closed form significance testing in VL 1 p 408 N86-31219 LEWIS, J. L.

Space Station crew interface specifications and standards [SAE PAPER 851801]

p 270 A86-35433 Astronaut crew performance Recent space experience

[SAE PAPER 851802] p 264 A86-35434 LEWIS. M. L.

Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452

LEY. A. Biosynthetic porphyrins and the origin of p 306 N86-26894 photosynthesis

LIAKHOVICH, IU. S. Changes in the contractile and electrical activities of the rat myocardium under the effect of verapamil under

p 246 A86-35939 insufficient oxygenation LIBKIND, V. I. Effect of level of physical activity on lipid metabolism flight personnel

p 65 N86-15871 LIEBERMAN, H. R. Effects of consuming various foods and nutrients on objective and subjective aspects of human performance

and behavior [NASA-CR-177003] p 385 N86-29509 LIENHART, H.

A cold thyroid nodule - Statistical data and aeronautical aptitude p 112 A86-24507 LIFANTEV. V. I.

The contractile function and the energy metabolism of the myocardium under emotional stress and during adaptation of animals to short stress effects

p 392 A86-45322 LIJNEN, P.

Plasma levels of renin, angiotensin II, and 6-ketoprostaglandin F1-alpha in endurance athlete p 8 A86-10111

LIKHTENSHTEYN, V. A. Enhancement of somniferous effects of thermal

pulsation by simultaneous application to two reflexogenic p 120 N86-19849 LILIENTHAL, M. G.

Simulator sickness - Incidence of simulator aftereffects in Navy flight trainers p 85 A86-19346 A comparison of postural equilibrium effects following exposure to different ground-based flight trainers

p 418 A86-47754 LILLO, R. S.

Decompression outcome following saturation dives with multiple inert gases in rats [AD-A163720] p 28 A86-16054 LIM. J. S.

A new application of adaptive noise cancellation p 99 A86-22626

LIN, C. H. Performance and endurance testing of a prototype carbon dioxide and humidity control system for Space

Shuttle extended mission capability [SAE PAPER 851374] p 140 A86-23557 LIN. J. C.

Remote sensing of body signs and signatures AD-A1621061 p 224 N86-24199 LIN, P. S. Y.

Advanced operator/system interface concepts for the Space Station [AIAA PAPER 86-2317] p 407 A86-46945

LIND. J. H. Operations research techniques for human factors

[AD-A1593841 p 99 N86-16904 LINDBERG, R. E.

Kinematics and reaction moment compensation for a spaceborne elbow manipulator [AIAA PAPER 86-0250] p 182 A86-26616

LINDBLAD, I. M. Tachygastria and motion sickness p 32 A86-14315 LINDEMARK. C.

Lung rupture as a complication in free escape

p 122 N86-19862 LINDSETH, K. A.

The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina

p 50 A86-17679 LINDSTEN, D. C. Development of U.S. Army reverse osmosis water

purification equipment [AD-A165667] p 385 N86-28621

An attempt to counteract nitrogen narcosis by naloxone administration p 123 N86-19865 LINNARSSON, D.

Effects of gravity on the fluid balance and distribution p 214 A86-30383

Stanford Hardware Development Program p 309 N86-26910

Part-training strategies in simulated carrier landing final

approach training p 131 A86-23749 LIPPAY, A. L. Helicopter flight control with one hand

p 269 A86-34923 Flight test of a displacement sidearm controller

p 439 N86-32992 LISHMANOV, IU. B.

Modern concepts regarding some nontraditional neuroendocrine mechanisms of stress p 49 A86-16800

LISOVSKI, G. M. Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable

part [IAF PAPER 85-308] p 45 A86-15820 LITASOVA, E. E.

Unsteady blood flow in humans under artificial conditions p 33 A86-15443 LITTLE, S. F.

Identification of vaccine resistant isolates of bacillus anthracis [AD-A162002] p 212 N86-24187

LITTLEFIELD, V. M. Psychological considerations in long-duration space missions An overview [AAS 84-188] p 179 A86-28814

LITTLETON, L W. Biomedical and Environmental Sciences Program

publications 1984 p 28 N86-12953 LITVACK, F.

Laser ablation of human atherosclerotic plaque without adjacent tissue injury p 91 A86-22711 LITVAK, I. I.

Electronic displays p 241 A86-33322

LIVANSKAYA, O. G. Investigation of mineral nutrition of a new form of

microalgae to be used in biological life-support systems p 57 N86-15892 LIVINGSTONE, S. D.

Effect of increased body clothing insulation on hand emperature in a cold environment [AD-A156597] p 22 N86-10786

LLOYD-EVANS, T. The effect of a microwave radiation (2.45 GHz CW) on the molt of house finches (Carpodacus Mexicanus)

LOBB, M. L.

Effects of atropine sulfate on aircrew performance FAD-A1650631 p 290 N86-27919

LOCHRIDGE, G. K Behavioral Airsickness Management program for

[AD-A1612661 p 18 A86-10258

LOFF. S.

Operator environment in the nineties [FOA-A-50002-H2] p 99 N86-16905

LOELLGEN. H. Hemodynamic response to LBNP following 2 hours HDT p 252 A86-36309 LOESER. H.

Concepts for the life support subsystem in the EURECA **Botany Facility** 

[DGLR PAPER 85-126] p 245 A86-34573

LOESER, H. R.

Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based

[SAE PAPER 851397] Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation p 149 N86-19912

LOGINOVA, L. G. Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648

LOMBA-GAUTIER, I. M.

The effect of impulse intensity and the number of impulses on hearing and cochlear pathology in the chinchille

[AD-A1612301 p 109 N86-19827 LOMOV. O. P.

Hematological criteria of the heat adaptation of p 90 A86-22569

LONCLE. M Thermal stress imposed on pilots by NBC protective p 44 A86-13571

LONDON, J. E.

Toxicological study of NTO [DE86-003296] p 258 N86-25986

LONG. G. J.

A lightweight impermeable suit for chemical protection in warm conditions: A preliminary look at the concept p 295 N86-26839

LONGMAN, R. W. Kinematics and reaction moment compensation for a spaceborne elbow manipulator

[AIAA PAPER 86-0250] p 182 A86-26616

LOO, L. N.

MTF's and Wiener spectra of radiographic screen-film systems. Volume 2: (Including speeds of screens, films ind screen-film systems) [PB86-1849341

p 380 N86-29501 LOPEZ-ALTIMIRAS, X. Explaining the unexplained dysbaric sport diving coidents p 123 N86-19864 accidents

LORENZ, B. Experience and performance in video games and its influence on aptitude tests in aviation psychology [DFVLR-FB-85-43] p 73 NB6 p 73 N86-15915

LOSEE-OLSON, S. A benzodiazepine used in the treatment of insomnia

phase-shifts - The mammalian circadian clock p 372 A86-40875

LOTENS, W. A. Heat transfer in impermeable clothing: Sweat plays a role after all

[IZF-1985-9] p 100 N86-17992 LOTZ, W. G.

Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life [AD-A168733] p 417 N86-32953

LOUGHNA, P. Effect of inactivity and passive stretch on protein turnover in phasic and postural rat muscles

p 413 A86-47871

LOUWERENS, J. W.

The effects of the antidepressants oxaprotiline, mianserin, amitryptiline and doxepin upon actual driving

performance p 290 N86-26827 Zopiclone's residual effect upon actual driving

performance versus those of nitrazepam and flunitrazepam [VK-84-101 p 423 N86-32954

LOVAN, W. D. Retrospective analysis of Naval Special Boards of Flight Surgeons, 1974-83

An engineering test and evaluation of several new anti-G valves p 430 A86-47734 LOWER, D. R.

Stromatolites from the 3,300-3,500-Myr Swaziland Supergroup, Barberton Mountain Land, South Africa p 155 A86-26490

LOWRY, L. D.

Effects of head and body restraint on experimental motion-induced sickness in squirrel monkeys

p 26 A86-14314

LOZINSKII, P. A. The effect of high temperature on the heat exchange and the nutritional status of pilots p 397 A86-45325

LOZINSKIY, P. A.

Some human reactions during 7-day antiorthostatic hynokinesia p 286 N86-27885

New physical methods for biological aerosol detection [AD-A158218] p 29 N86-13881

LUCAS, J. H. Effects of 60 Hz electric fields on operant and social

tress behaviors of nonhuman primates p 209 N86-23221 [DE86-002587] Effects of 60 Hz electric fields on operant and social

stress behaviors of nonhuman primates [DE86-0037481 p 310 N86-27923

LUCIANI, R. J.

Operational medical planning for Space Station

[AIAA PAPER 86-2337]

p 421 A86-49560 LÜEHRSEN, K. R. Phylogenetic origins of the plant mitochondrion based

on a comparative analysis of 5S ribosomal RNA p 2 A86-12002 LUKYANOVA, R. I.

Model of experimental pixuna virus infection in white p 211 N86-23253

Assessing the human performance envelope - A brief

quide [SAE PAPER 851776] p 263 A86-35428 LÜNINA. N. V.

Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under p 80 A86-21454 reduced barometric pressure

LUNINE A L The D to H ratio on Titan and the planets: Implications

for origin and evolution of planetary atmospheres p 298 N86-26853

LUPANDIN, IU. V.

Interaction of the thermoreceptor and vestibular signals in the regulation of the activity of flexor and extensor motor nuclei during cold tremors p 103 A86-23493 LUPYR, V. M.

The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points

p 414 A86-49921

p 178 N86-22104

The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783

An evaluation of color sets for CRT displays p 273 N86-25125 FAD-A1638941

LUSSIER. A. R.

An automated system for comprehensive assessment of visual field sensitivity

[AD-A162755] LUTZ, F. C.

The WPI space glove design project

p 383 A86-40522

LVOVA. S. P.

Study of brain biochemistry during hypothermia p 285 N86-27875

The effect of asymmetric transfer on dual-task sessment of voice technology p 141 A86-23702 assessment of voice technology

Model-based approaches for partitioning subjective workload assessments

[NASA-CR-177030] p 382 N86-29504 Modified Petri net model sensitivity to workload p 436 N86-32979 manipulations

LYNE, P. J. Evaluation of a passenger mask modified with a rebreather bag for protection from smoke and fumes

[AD-A162473] p 188 N86-22116 LYSAGHT, R. J.

Information processing in vigilance performance Complexity revisited LYTLE, J. S.

Protein concentration elevations in lungs of mice following sudden, transient cephalad (+Gz) acceleration p 199 A86-30437

LYUBARSKAYA, I. I.

Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131

MACELROY, R. D.

The evolution of CELSS for lunar bases

p 239 A86-30164 Controlled Ecological Life Support Systems: CELSS 1985 Workshop [NASA-TM-88215] p 148 N86-19906

Molecular microenvironments: Solvent interactions with nucleic acid bases and ions p 302 N86-26872 MACEWEN, J. D.

Toxic hazards research unit annual technical report:

[AD-A161558] p 176 N86-22097 The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel

[AD-A163179] p 258 N86-25985

MACGREGOR, R. R.

Determination of the lumped constant and the kinetic constants for deoxyglucose and fluorodeoxyglucose in p 118 N86-18978

[DE86-000317]

MACHALEK, A. Weather and migraine p 166 N86-21027 The Austrian biometeorological service

p 167 N86-21034

Environmental factors and infant mortality p 168 N86-21041

MACIEJCZYK, J.

Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869

MACINTYRE M S Extremely Low Frequency (ELF) communications

stem bio-effects library development [AD-A162839] p 225 N86-24204

MACK, J. M.

Reduction of circadian disruption following surgery by ingestion of caffeine in the laboratory rat n 201 A86-30447

MACKINNON, D. P. Modified Petri net model sensitivity to workload p 436 N86-32979 manipulations

MACKLIN, J. W. Cooperation of catalysts and templates

p 301 N86-26871

MADNI, A

Operator alertness/workload assessment using tochastic model-based analysis of myoelectric signals [AD-A168567] p 428 N86-32973

assessment using Operator alertness/workload stochastic model-based analysis of myoelectric signa (AD-A1685681 p 429 N86-32974

MADSEN, J.

Excursion limits in shallow water heliox saturation diving p 125 N86-19877

A study of the effect of ultrasound on the antigenic p 254 A86-36495 activity of human erythrocytes MAGE, D. T.

Assessment of individual human exposures to ozone in a health study [PB85-245975] p 94 N86-17984

MAGEDOV, V. S.

Electrocardiogram in NEHB type leads of Macaca p 175 N86-21137 mulatta monkeys MAGNUSON J. W.

Tissue culture apparatus for flight experimentation

p 201 A86-30444

Operational development of small plant growth p 149 N86-19917

MAILIAN, E. S.

Cosmonaut training

Some results of a study of the bioenergetics of rat muscle in weightlessness p 49 A86-16754 The electrokinetic properties of cell nuclei in the human

buccal epithelium in conditions of motion sickness and hypoxia p 90 A86-22549 MAILLE, M.

A new test of the color vision of professionals

p 112 A86-24505 MAINS, R. C.

Vivaria requirements for animal life cycle studies on p 200 A86-30443 US monkey and rat experiments flown on the Soviet

Satellite Cosmos 1514 [NASA-TM-88223] p 375 N86-28606

MAKHNOVSKII, V. P.

Prediction of the functional state of the body during p 31 A86-13298 adaptation to high altitudes MAKSIMENKO, I. M.

Fab-fragment of heterologic immunoglobulin for flu

prophylaxis and treatment MAKSIMOV, S. N. p 219 N86-23241

p 293 A86-38988

MAKSIMOVA V. N.

Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion bean

p 84 N86-16886

MAKSIMOVICH, V. A. Prediction of human physical work capacity in high-temperature environments p 34 A86-15522 MAĽACINSKI, G. M.

Response of amphibian egg non-yolk cytoplasm to ravity orientation p 195 A86-30407 MALIGONOV F A

Synchronization of heart contractions and respiration during thermoregulatory polypnea in dogs p 245 A86-34490

MALIKOV, U. M.

Proteins and RNA in the neuron-neuroglia system of n. raphe dorsalis neurons of the ground squirrel brain during

MALIN, J. T.

An expert systems approach to automated fault management in a regenerative life support subsystem [AIAA PAPER 86-0321] p 98 A86-19811 p 98 A86-19811

MALKIN, F. J. U.S. Army helicopter voice technology applications SAE PAPER 841609] p 147 A86-26028 [SAE PAPER 841609]

A comparison of voice and keyboard data entry for a p 237 A86-29859 helicopter navigation system MALMSTROM, F. V.

Age, degraded viewing environments, and the speed p 87 A86-20407 of accommodation

MALTSEV, A. A.

Experimental estimate of the parameters of a stochastic model of a human operator sensor system

p 407 A86-45117

MALYSHEV, V. V. Antistress effect of 1-chlormethylsilitrane

p 105 A86-24309 The contractile function and the energy metabolism of the myocardium under emotional stress and during adaptation of animals to short stress effects

MAMALYGA, L. M.

Combined effects of stressors on the level of spinal reflex arc structures p 62 N86-14871 Change of RNA and protein level in neurons-glia system

under effects of hyperthermia and hypoxia

MAMEDOV S V Effect of intensive visible light on activity of glutathione peroxidase in pigmented epithelium of eye

MANCHESTER, D. L.

Is the cerebellum involved in motor and perceptual timing: A case study p 16 N86-11842

AD-A157452]

MANDEL, A. D. Effect of flight in mission SL-3 on interferon-gamma production by rats p 204 A86-30467

MANDELL A.J. Arousal and stability - The effects of five new sympathomimetic drugs suggest a new principle for the prevention of space motion sickness

p 222 N86-23272

p 392 A86-45322

p 210 N86-23226

MANE A M Acquisition of perceptual-motor skill - Adaptive and part-whole training p 129 A86-23727

MANENT. P. J. A new test of the color vision of professionals

p 112 A86-24505

MANGELSDORF, D. J. 1,25-Dihydroxyvitamin D3 receptors in space-flown vs grounded control rat kidneys p 204 A86-30472

MANKOV, IU. U. The effect of centedrin on the work capacity of perators p 426 A86-49371

operators MANNINO, J. A.

Comparative cold responses of men and women to external and internal cold stimuli p 87 A86-20403 MANNO, B. R.

The effect of antimotion sickness drugs on habituation p 377 A86-41780 to motion MANNO, J. E.

The effect of antimotion sickness drugs on habituation p 377 A86-41780 MANNY, E. F. Measurement techniques use with for

technique/exposure guides [PB86-123718]

MANO. Y. Investigation of Eustachianal function in JASDF pilots by new apparatus. I - On the pressural regulation of the p 32 A86-13941 Eustachian tube in normal human

MANOHAR, V. Development of vaccines to the mycotoxin T-2 [AD-A158544] p 63 N86-14877

PERSONAL AUTHOR INDEX		MAUZERALL, D
MANUCCIA, T. J.	MARRERO, T. R.	MASUDA, M.
Infrared optical measurement of blood gas concentrations and fiber optic catheter	Solid waste treatment processes for space station	Biochemical responses of Xenopus Laevis muscles to
[AD-D011836] p 37 N86-12955	p 47 N86-14091 MARSH, R. W.	changes in environment. I Comparison to Rana Catesbeiana and exposure to gravic environment
MANUKHIN, B. N.	Self-control of psychophysiologic response to motion	p 415 A86-5028
Short term heat effect on adreno- and cholino-sensitivity of rat's small intestine p 4 N86-10754	stress Using biofeedback to treat sickness [AD-A163428] p 70 A86-18833	Biochemical responses of Xenopus laevis muscles to
MANYKIN, E. A.	MARSH, T. L.	changes in environment. II - Responses to gravity and pressure p 415 A86-5028
Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833	RNA catalysis and the origin of life p 372 A86-41043	MASUREL, G.
MAR, A.	MARSHAK, W.	Ultrasonic detection of circulating bubbles in ewe
The principle of cooperation and life's origin and evolution p 303 N86-26880	Voice and manual control in dual task situations	exposed to simulated dives deeper than 800 msw unde isobaric conditions and with unchanged gas mixtures
evolution p 303 N86-26880 MARACHEV, A. G.	p 262 A86-33826 The effects of voice and manual control mode on dual	p 125 N86-1988
Characteristics of external respiration in inhabitants of	task performance p 438 N86-32987	Less bubble formation in women divers p 126 N86-1988:
the northeastern USSR p 9 A86-10698 Respiratory function in inhabitants of northeastern	MARSHALL, G. J.  Effects of non weight bearing on callus formation	MATHES, K. L.
USSR p 119 N86-19845	p 193 A86-30394	Cardiovascular responses of women to lower bod
MARCHENKO, L. V. Toxicological evaluation of gas emission from	MARTELLO, N. V. Controlled Ecological Life Support Systems: CELSS	negative pressure p 377 A86-41779 MATHEW, M. K.
heat-stable tetrafluoroethylene-based polymers when	1985 Workshop	Coupling between the bacteriorhodopsin photocycle and
heated p 175 N86-21131 MARCHIONDA-FROST, K.	[NASA-TM-88215] p 148 N86-19906	the protonmotive force in Halobacterium halobium ce
Comparison of voice types for helicopter voice warning	Development of space technology for ecological habitats p 153 N86-19943	envelope vesicles. Ill - Time-resolved increase in the transmembrane electric potential and modeling of the
systems	MARTIN, B. J.	associated ion fluxes p 373 A86-4343
[SAE PAPER 841611] p 147 A86-26030 MARCINIK, E. J.	Adapted head- and eye-movement responses to added-head inertia p 250 A86-33758	MATHIPRAKSAM, B.  Development of thermoelectric water heating-cooling
A comparison of the effects of circuit weight training	Inhibitory effects of combined agonist and antagonist	devices
on men and women [AD-A159419] p 69 N86-15910	muscle vibration on H-reflex in man p 395 A86-44090 MARTIN, D. G.	[AD-A166949] p 409 N86-3122
Changes in fitness and shipboard task performance	Plasma viscosity elevations with simulated	MATOUSEK, J.  Meteorotropic changes of cardiac patients' blood
following circuit weight training programs featuring continuous or interval running	weightlessness p 253 A86-36312 MARTIN, E. A.	pressure and pulse frequency during a complex bat
[AD-A163110] p 225 N86-24206	An investigation regarding the use of a dynamic seat-pan	cure p 166 N86-2103 MATSUMIYA, H.
MARCUS, R. A.	display for training and as a device for communicating	Basic consideration on CELSS
Application of electron-transfer theory to several systems of biological interest	roll-axis motion information p 239 A86-29918  The influence of tactual seat-motion cues on training	[IAF PAPER 85-307] p 45 A86-15819 MATSUMOTO, K.
[DE85-015835] p 55 N86-15860	and performance in a roll-axis compensatory tracking task	A hierarchical model of pilot's procedural behavior fo
MARESH, C. M.  Aldosterone, cortisol, and electrolyte responses to	setting p 22 N86-10784 MARTIN, H. L.	cockpit workload analysis p 263 A86-3398;
hypobaric hypoxia in moderate-altitude natives	Duty-cycle analysis of a human-controlled manipulator	MATTHEW, C. B.  An atropinized heat-stressed rat model: Anticholinergic
p 32 A86-14316 MARET, K. H.	p 137 A86-23424 MARTIN, J. I.	and anticholinesterase drug potency
Nocturnal periodic breathing at altitudes of 6,300 and	Evaluation of materials for thermal protection	[AD-A157620] p 6 N86-1183; A system of rat restraint using a cone-shaped, plexiglas:
8,050 m p 419 A86-47875 MARGALIOT, S.	[AD-P004901] p 187 N86-20638 MARTIN, K, W.	and stainless steel rod cage
Systolic blood pressure in fighter pilots after 12-15 years	Human factors: The Cinderella discipline in cockpit	[AD-A158428] p 83 N86-16876 MATTHEW, W. T.
service p 250 A86-33762 Low back pain in pilots p 395 A86-44092	interface design p 294 N86-26825 MARTIN, M. F.	A system of rat restraint using a cone-shaped, plexiglas
The significance of recurrent childhood respiratory	The system integration and verification testing of an	and stainless steel rod cage [AD-A158428] p.83 N86-1687(
disorders in flight training applicants p 395 A86-44095 MARGOLIN, A. L.	orbital maneuvering vehicle for an air bearing floor	[AD-A158428] p 83 N86-16879 MATTHEWS, C. N.
Protein-protein interactions in systems with synthetic	[NASA-CR-178350] p 242 N86-24217 MARTIN, R. B.	Universal protein ancestors from hydrogen cyanide and
polyelectrolytes p 210 N86-23225	Osteocalcin as an indicator of bone metabolism during	water p 296 A86-3814 MATTHEWS, R. A.
MARGULIS, L. Microbial contributions to the Precambrian Earth	spaceflight p 205 A86-30474 MARTIN, Z. E.	Inflight loss of consciousness - A first look at the U.S
p 307 N86-26899	On marching to two different drummers - Perceptual	Navy experience p 396 A86-4478
MARIANOVICH, A. T.  Adaptation of the human organism to the repeated	aspects of the difficulties p 426 A86-49870  MARTINEK, K.	Adaptation of man to extreme conditions of Antarctica
short-term exposures to a hot environment	Micellar enzymology p 109 N86-19831	p 13 N86-1075
p 10 A86-10701	MARTINEZ, O.	Characteristics of external respiration in inhabitants of
1,25-Dihydroxyvitamin D3 receptors in space-flown vs.	Simultaneous determination of fluid shifts during thermal stress in a small animal model	the northeastern USSR p 9 A86-10696 MATVEYEV, L. N.
grounded control rat kidneys p 204 A86-30472 MARKARYAN, S. S.	[AD-A159363] p 83 N86-16877	Capacity for work and hemodynamics in males residing
Dynamics of changes of statistical indicators of heart	MARTONE, J. A.  USAF toxicology research on petroleum and	at middle and high latitudes p 13 N86-1074
rhythm of persons with different degree of motion	shale-derived aviation gas turbine fuels	Respiratory function in inhabitants of northeaster USSR p 119 N86-1984
MARKOVA, E. A.	[ASME PAPER 85-GT-34] p 80 A86-22023 MASHIKO. S.	MATVIYENKO, N. I.
The distinctive features of the energetic metabolism,	Modified superposition: A simple time series approach	Production of gene bank from cotton plant chloroplas DNA foi HC/MF p 210 N86-2322
glycolysis, and tissue respiration of the myocardium in rats having high and low resistance to hypoxia	to closed-loop manual controller identification p 442 N86-33009	MAUL, G. G.
p 80 A86-21455	MASHINSKIY, A. L.	Nuclear lamins and peripheral nuclear antigens durin fertilization and embryogenesis in mice and sea urchins
MARKOVSKAIA, I. V.  The effect of radiation on the concentration and	Modification of cytogenetic and physiological effects of	p 371 A86-4067
metabolism of dopamine in the rat brain	space flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624	MAUREL, C. Selection and medical testing of Mirage 2000 pilots
p 276 A86-39722	MASLENNIKOVA, L. S.	Report of echocardiography p 399 N86-3031
Age-related changes in electroencephalograms of	The effect of noradrenaline on oxidation metabolism in cold-adapted golden harmsters p 413 A86-49155	MAUREL, C. M.
pilots p 62 N86-14867	MASSEY, L. T.	Ischemic cardiopathology in pilots - The risk, the methods of detection and prevention
MARMOLIN, H. Operator environment in the nineties	The helicopter to fixed wing conversion program: A critical review	p 113 A86-2451
[FOA-A-50002-H2] p 99 N86-16905	[AD-A156820] p 42 N86-12968	MAURITZSON-SANDBERG, E. Psychological problems associated with the wearing of
MAROTTE, H. Positive pressure respiration, a means of protecting	MASSIMINO, D.  The C23A system, an example of quantitative control	respiratory protective devices: A review
against +Gz accelerations - A theoretical approach	of plant growth associated with a data base	[FOA-C-40216-C2] p 101 N86-1799: MAURO, C. A.
p 31 A86-13568 Nonhypoxic syncopes at high altitude - The results of	[SAE PAPER 851395] p 104 A86-23572 The C23A system, an exmaple of quantitative control	A nonlinear regression procedure for evoked potentia
two observational trials in a hypobaric chamber	of plant growth associated with a data base	data analysis . [AD-A157680] p 53 N86-1483
p 31 A86-13572 Circadian variations of systolic time intervals	p 148 N86-19911	Statistical research on problems of biodynamics
p 394 A86-44087	MASTROIANNI, G. R. Helicopter-control-referenced strength capabilities of	[AD-A157993] p 67 N86-1589 MAUROUX, J. L.
MARQUARDT, M. B. The scientific/engineering workstation experiment:	small individuals p 213 A86-29855	Volume regulating hormones p 214 A86-3038
Preliminary results, conclusions and recommendations	Helicopter-referenced single control, center-position force exertion capabilities of males and females	MAUZERALL, D.  Biosynthetic porphyrins and the origin of
[AD-A163059] p 386 N86-29510	[AD-A161234] p 154 N86-19946	photosynthesis p 306 N86-2689

p 214 A86-30384

the origin of p 306 N86-26894

MAY S R

Testosterone and muscle hypertrophy in female rate p 2 A86-12026

Effects of suspension hypokinesia/hypodynamia on rat skeletal muscle p 26 A86-14313 Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and

denervated skeletal muscles of the rat p 49 A86-16901

A possible role for endogenous glucocorticoids in orchiectomy-induced atrophy of the rat levator ani muscle: Studies with RU38486, a potent and selective antialucocorticoid p 411 N86-30343

[NASA-CR-177029] MAXWELL, D. L.

Somatostatin inhibits the ventilatory response to hypoxia in humans p 216 A86-30681 MAXWELL, V. B.

Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098 MAYDINA, V. P.

Gas chromatographic analysis of free fatty acids of skin p 67 N86-15891 surface lipids MAYER, E

Physical causes of air draft phenomena, new facts p 164 N86-21018

MAYER, H.

Problems in city climate evaluation in human p 169 N86-21050 biometeorological terms MAYER, L. S.

Statistical inferences in cross-lagged panel studies [AD-A163892] p 265 N86-25120 MAZENZKI, M.

Age-related changes in electroencephalograms of nilote p 62 N86-14867 MAZUR, P.

Freezing of living cells

[DE85-016297]

p 55 N86-15862

MCANULTY, D. M.

An evaluation of aviator training ability requirements scale ratings p 128 A86-23715 An examination of ability requirements for various rotary p 128 A86-23716

MCBRIDE, D. K.

and physiological effects acceleration-induced (+Gz) loss of consciousness p 8 A86-10253

Simple and choice reaction time in a secondary task under varied stimulus modality probabilities p 135 N86-19896

[AD-A159698] Multitask performance: Predicting success in Naval Aviation primary flight training p 428 N86-32972

AD-A1682461 MCBRIDE, J. K.

A computer-based system for workstation design and p 142 A86-23707 analysis

Computer-based tools for cockpit design

p 184 A86-28436 MCCALLEN, R. C. Suit penetration study: Preliminary analysis of flow about

a circular cylinder [DE86-0057601 p 385 N86-28623

MCCALLY, R. L.

Nonionizing radiation damage in the eye p 251 A86-33838

MCCAULEY, D. S. Laboratory and flight testing of ballistic protective headgear for rotary wing aircrew p 97 A86-19344

MCCAULEY, H. Flight deck design methodology using computerized

anthropometric models p 146 A86-26003

[SAE PAPER 841472]

MCCAULEY, M. E.

Person computer dialogue: A human engineering data

base supplement [AD-A163074] p 243 N86-24223

MCCLELLAND, J. L. Interactive activation models of perception and

[AD-A161362] p 181 N86-21143

MCCLOSKEY, M.

Development of intuitive theories of motion - Curvilinear motion in the absence of external forces

p 426 A86-49521

MCCLOY, T. M.

An empirical demonstration of multiple resources p 141 A86-23703 Workload assessment - Progress during the last

decade [SAE PAPER 851877] p 270 A86-35440

MCCLURG, T. D.

Comparison of transient and steady state cortical evoked p 183 A86-28431 Analytical comparison of transient and steady state

visual evoked cortical potentials p 436 N86-32978 MCCONNAUGHEY, M. M.

Effects of weightlessness on neurotransmitter receptors p 203 A86-30462 in selected brain areas MCCORMICK, D.

Simulated terrain following flight - Visual and radar terrain correlation requirements p 231 A86-29906

MCCOY, C. E. The role of fundamental expression in instrument flight p 229 A86-29896 performance

MCCREARY, J. Correlation between plasma fibronectin level and experimental rat heat stress mortality

[AD-A160943]

MCCULLOUGH, R. E.

Headache at high altitude is not related to internal carotid p8 A86-10108 arterial blood velocity Low acute hypoxia ventilatory response and hypoxic

depression in acute altitude sickness p 252 A86-36224

MCCULLOUGH, R. G.

Headache at high altitude is not related to internal carotid p 8 A86-10108 arterial blood velocity Low acute hypoxia ventilatory response and hypoxic depression in acute attitude sickness p 252 A86-36224

MCDERMID, I. S.

The role of reabsorption in the spectral distribution of phytoplankton fluorescence emission p 50 A86-16924 MCDONALD, J.

A comparative study of prebiotic and present day p 303 N86-26877 translational models

MCDONALD, R. C.

Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitroge p 156 A86-29089 dioxide

MCDOUGAL, J. N.

In vivo dermal absorption method and system for laboratory animals [AD-D012325] p 417 N86-32951

MCGHEE, J. E.

An experimental trial to test the efficacy of temazepam to induce sleep and improve subsequent performance during partial sleep deprivation and circadian rhythm desynchronosis [AD-A160795] p 116 N86-18972

MCGINNIS, K.

Photoactive pigments in halobacteria from the Gavish p 415 A86-49998 Sabkha

MCGRANAHAN, G. M., JR.

Cardiovascular standards for selection and retention of high performance pilots in the USAF: Perspectives for the next decade p 399 N86-30313 MCGREEVY, M. W.

Virtual space and 2-dimensional effects in perspective p 441 N86-33005 MCINTYRE, J. A.

Human performance aspects of accident investigation p 233 A86-29931 MCKAY, C.

Naloxone enhances motion sickness - Endorphins implicated p 395 A86-44088 MCKEE, S. P.

The spatial and temporal parameters of velocity discrimination

[AD-A158735] p 43 N86-13896 MCKINLAY, W. H.

Automation and pilot interactions in night or all-weather tactical operations p 293 N86-26319 MCKINLEY, J. B.
Potential controller error modes in Automated En Route

ATC (AFRA) p 238 A86-29871 MCLAUGHLIN, J.

On-orbit manipulators - Sensory and control approaches [AIAA PAPER 86-2185] p 429 A86-47467

MCLEAN, D.

Interstellar isomers p 298 N86-26848 MCLEAN, W. E.

Aeromedical lessons learned with night vision devices p 283 N86-26810 MCLEOD, R. W.

A design guide for visual displays and manual tasks in vibration environments. Part 2: Manual tasks p 443 N86-33015 [ISVR-TR-134]

MCMANIS M Production and characterization of antibodies to benzo(a)pyrene

p 222 N86-23271 [DE86-002204]

MCMILLAN, G. R.

The effects of psychophysical matching on the transfer of training between alternative motion simulators p 232 A86-29919

Tactual cuing can produce better performance than p 239 A86-29920 visual cuing

MCMILLEN R A

Effects of weightlessness on neurotransmitter receptors in selected brain areas p 203 A86-30462

MCMONAGLE, D. R.

Advanced fighter technology integration (AFTI) F-16 -The nilat interface [SAE PAPER 841633] p 146 A86-26018

MCNAUGHTON, G. B.

Vision in spatial disorientation (SDO) and loss of situational awareness p 226 A86-29853

MCRUER, D. T. Investigation of limb-sidestick dynamic interaction with n 438 N86-32991 MEAD K

Rapid identification of micro-organisms

[AD-A159945] p 107 N86-18952

MEADOR, M.

The Sternberg memory search task as an index of pilot workload p 227 A86-29883

MEDKOVA, I. L.

Functional state of the pancreas under conditions of prolonged bed rest D 421 A86-49271

MEDNIEKS, M. I. Biochemical and morphological evaluation of the effects

of space flight on rat salivary glands p 204 A86-30468

MEDVEDEV, O. S.

Hemodynamic correlates of immobilization stress in p 373 A86-43423 rate

MEDVEDEV. S. V.

On the interrelationship between different ranges of bioelectric activity of the human brain p 422 A86-49975

MEDVEDEV. V. I. Use of a linguistic test in the course of large-scale physiological selection of men for work in an adverse

environment MEEHAN, J. P.

Cardiovascular receptors and fluid volume control (1985 p 157 A86-29099 Armstrong Lecture)

MEEHAN, R. T. Flow cytometry analysis of hormone receptors on human

peripheral blood mononuclear cells to identify stress-induced neuroendocrine effects

p 403 N86-31428

MEEKER, L. J. An engineering test and evaluation of several new anti-G valvas p 430 A86-47734

MEERTSUK, F. E.

Hemodynamic correlates of immobilization stress in rats p 373 A86-43423

MEHM. W. J.

Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761

p 386 N86-29513

p 35 A86-15523

MEIJER, T. Driving performance the day after use of loprazolam,

flunitrazepem and placebo p 290 N86-26826 Flurazepam HCL's residual (hangover) effects upon

actual driving performance p 291 N86-26834 [VK-83-02]

MEINTEL, A. J., JR.

Space teleoperation research. American Nuclear Society Executive conference: Remote operations and robotics in the nuclear industry; remote maintenance in

[NASA-TM-89234]

MEKHTI-ZADE, E. R. Modification of cytogenetic and physiological effects of space flight factors by biologically active compoun-INASA-TM-879871 p 386 N86-286. p 386 N86-28624

MELDRUM, D. R.

Direct model reference adaptive control of a flexible

robotic manipulator [NASA-CR-176659]

p 188 N86-22113 MELNICHENKO, V. P.

Electrocardiogram in NEHB type leads of Macaca sulatta monkeys p 175 N86-21137 mulatta monkeys Restraint system for waking Macaca mulatta monkeys p 280 N86-27898 during postural tests

MELNIK. S. G.

Controlling of pilot work capacity by psychosomatic self-regulation techniques p 265 A86-36500

MELNIKOV. L. N.

Designing the conditions of life and work of cosmonauts (2nd revised and enlarged edition) p 290 A86-38984

MELVILLE, B. E. The effect of intervening task performance on subjective p 144 A86-23746

workload ratings MELVIN, W. W.

Pilot interface with fly by wire control systems

p 438 N86-32990

MEN	DEI	SOHN.	M.	L

Prospects for DNA methods to measure human heritable

mutation rates [DE85-014555]

p 17 N86-11847

MENITSKIY. D. N. Individual typological self-regulation of cardio-vascular p 13 N86-10752 evetem

MENNINGER, F. J.

Reverse osmosis water purification system

p 384 N86-28291

MENSHOV, P. I. Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 MENTKEVICH, L. M.

Production of gamma- and alpha-interferon by human blood leukocytes under successive induction conditions p 217 N86-23229

MENU. J. P.

Sensitivity to color contrasts and the selection of p 400 N86-30318 navigator personnel MENU. J.-P.

Intermediate collimation: Description - Goals - First results p 44 A86-13570

MENU, J.-P. R.

Head-up/head-down transition - Measurement of transition times p 186 A86-29092

MERCER-SMITH, J. A.

Biosynthetic porphyrins and the the origin of p 306 N86-26894 photosynthesis MEREDITH, C. N.

Metabolic changes following eccentric exercise in trained and untrained men

[AD-A166521] p 402 N86-31211 MERKLE, P. J., JR.

A comparison of postural equilibrium effects following exposure to different ground-based flight trainers p 418 A86-47754

MERKUREV. I. A.

The effect of prolonged physical work at the levels of submaximal and extreme intensity upon the mass transfer and utilization of oxygen p 89 A86-22536 MERKYS, A. J.

Investigations of higher plants under weightlessness p 192 A86-30388

MERRIFIELD, R. M.

The development and evaluation of color systems for airborne applications: Fundamental visual, perceptual and display systems considerations [AD-A168563] p 443 N86-33020

MERRILL, A. H., JR.

p 68 N86-15905

Hepatic enzymes of sphingolipid and glycerolipid biosynthesis in rats from Spacelab 3

p 205 A86-30475

MERRILL, D. C.

The use of thoracic impedance for determining thoracic blood volume changes in man p 87 A86-20406 MERTENS, H. W.

The effects of age, sleep deprivation, and altitude on complex performance

[AD-A156987] p 15 N86-10771 Some effects of alcohol and simulated altitude on complex performance scores and breathanalyzer readings [AD-A1589251

MESHALKIN, E. N.

Unsteady blood flow in humans under artificial conditions p 33 A86-15443

MESHCHERIAKOVA, S. A.

The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700

MESHCHERYAKOVA, S. A.

Effects of 24 h sleep deprivation on biogenic amine p 120 N86-19846 metabolism MESHKATI, N.

Physiological reflections of mental workload

p 41 A86-14321 MESICK, H. H.

Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen p 156 A86-29089

MESSINGER-RAPPORT, B. J.

The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750

METGES P J

The vertebral column: Selection and aptitude of combat aircraft pilots of the future p 400 N86-30322 METZGER, J. M.

Models of disuse - A comparison of hindlimb suspension and immobilization p 391 A86-44196

MEVZGODINA, L. V.

Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam

p 84 N86-16886

MEYER SEDEJ. M.

Implementing supercritical water oxidation technology a lunar base environmental control/life support

Evolutionary paths for artificial intelligence technologies in operator interactions with space station robots

p 269 A86-34971 MEYERS. D. G.

Morphological evidence of mechanoreceptive gravity perception in a water flea - Daphnia magna p 199 A86-30435

MEZIDOVA, K. A.

Short term heat effect on adreno- and cholino-sensitivity of rat's small intestine p 4 N86-10754 NIK. M. N.

The photobiological aspects of radiation damage in cells p 392 A86-44295 MICCO, A. J.

Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness n 252 A86-36224

MICHAS, R. D.

Tactical Life Support System (TLSS) aircrew integrated p 431 A86-47746

MICHEL, H. V.

Geochemical anomalies, bolide impacts and biological extinctions on the Earth p 308 N86-26903

MICKLEY, G. A. Stimulation of brain muscarinic acetylcholine receptors

acutely reverses radiogenic hypodipsia (AD-A167057) p 156 A86-29096

MIKAYELAN, E. M.

Dynamics of peroxide oxidation of lipids during stress p 83 N86-16883

MIKHAILOV, A. V.

The effect of a weak variable ultralow-frequency magnetic field on the development of hypercoagulation syndrome in rats caused by restricted mobility

p 79 A86-19300

p 105 A86-24368

Evaluation of radiation-induced damage in the erythrocyte membranes of rats and dogs according to changes in the erythrocyte sedimentation behavior

p 106 A86-24424 MIKHALEVA, I. I. Hypnogenic activity of a cyclic structural analog of

MIKHAYLOV, M. I. HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233

MIKHNENKO, A. Y.

delta-sleep-inducing peptide

Some aspects of determining human physical work apacity under hyperbaric conditions p 76 N86-15867 MIKULAS, M. M., JR.

Mobile remote manipulator vehicle system

[NASA-CASE-LAR-13393-1] p 187 N86-21147 MILGRAM P.

Control theoretic analysis of human operator mediated rendezvous and docking [NLR-MP-85020-U1 p 435 N86-32106

Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques [NLR-TR-84116-L-PT-1]

Control loops with human operators in space operations Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop [NLR-TR-84116-L-PT-3] p 435 N

p 435 N86-32108 Control loops with human operators in space operations. Part 4: Research requirements for human-in-the-loop

space teleoperator development [NLR-TR-84116-L-PT-4] p 435 N86-32109 Control loops with human operators in space operations.

Part 5: Executive summary [NLR-TR-84116-L-PT-5] p 435 N86-32110

Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003 MILLEDGE, J. S.

Nocturnal periodic breathing at altitudes of 6,300 and p 419 A86-47875

MILLER, C. W. Space Station Environmental Control/Life Support

System engineering [SAE PAPER 851375] p 140 A86-23558

Environmental control/life support system for Space Station p 407 A86-45692

MILLER. J. C. Syllogistic reasoning tasks, a methodological review [AD-A159190] p 71 N86-14892

p 71 N86-14892 MILLER, J. D.

Changes in functional metabolism in the rat central nervous system following spaceflight p 199 A86-30433

Effects of weightlessness on neurotransmitter receptors in selected brain areas p 203 A86-30462 MILLER, K. H.

Ensuring Space Station human productivity
AF PAPER 85-500] p 45 A86-15944 [IAF PAPER 85-500]

Space Station crew interface specifications and standards

[SAE PAPER 851801] n 270 A86-35433

MILLER, R. A.

A discrete control model of operator function - A methodology for information display design p 384 A86-41381

Twenty-First Annual Conference on Manual Control [NASA-CP-2428] p 436 N86-32976 Investigation of crew performance in a multi-vehicle

supervisory control task p 440 N86-33001

MILLER, R. C.

The effects of stimulus modality and task integrality: Predicting dual-task performance and workload from single-task levels p 436 N86-32981

MILLER, R. E., II The effects of hypoxia induced by low atmospheric pressure on soft contact lens wear

[AD-A158556] p 38 N86-12963 Night vision manual for the flight surgeon

[AD-A159720] p 114 N86-18961

MILLER, S. C.

Effects of N,N,N',N'-Ethylenediaminetetramethylene nhosphonic 1-Hydroxyethylidene-1,1-bisphosphonic acid on calcium absorption, plasma calcium, longitudinal bone growth, and bone histology in the growing rat p 374 A86-43444

MILLER, S. L. Energy yields in the prebiotic synthesis of hydrogen cyanide and formaldehyde p 300 N86-26863

MILLER, W. C. Response of enlarged alveolar vessels to acute hypoxia p 378 A86-41785

MILLER, W. L.

Mass loss of shuttle space suit orthofabric under simulated ionospheric atomic oxygen bombardment

[NASA-TM-87149] p 46 N86-13899 MILLS, G. S.

The case for training for the potentially catastrophic situation

[SAE PAPER 851917] p 264 A86-35447

MILTENBERGER, R. P.

Thyroid absorbed dose for people at Rongelap, Utirik nd Sifo on March 1, 1954

[DE85-014695] MINGOLLA, E.

Neural dynamics of perceptual grouping - Textures, boundaries, and emergent segmentations

[AD-A165648] p 70 A86-17352

MININA. Z. B.

Dynamics of the salivary electrolyte composition and renal excretory function during human adaptation to an p 216 A86-30899 altered gaseous environment

Variation in baseline sister chromatid exchange frequencies in humans

[DE85-016084] MINKOVA. M. I.

Studies of radioprotective properties of adeturon and polyanion, applied separately and in combination p 208 A86-32699

p 64 N86-14883

The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679

Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999

MIRAMBEAU. G. Positively supercoiled DNA in a virus-like particle of an archaebacterium p 372 A86-40879

MIRONIUK, D. IA. Prediction of human physical work capacity in high-temperature environments MIROSHNIKOVA, Y. B. p 34 A86-15522

Effect of 24,25-dihydroxycholecalciferol on amino acid metabolism of hypokinetic rats p 55 N86-14869 Investigation of some aspects of human amino acid

metabolism during 120-day antiorthostatic hypokinesia p 65 N86-15873 Effect of restricted motor activity on alanine level in human plasma p 173 N86-21122

Amino acid spectrum of human blood in the presence of emotional stress MIRRAKHIMOV, M. M. p 287 N86-27901

Hemodynamics during short-term application of lower body negative pressure p 33 A86-15514 Condition of cardiovascular system in presence of acute p 174 N86-21127

T and B components of immunity in the presence of cute mountain sickness p 286 N86-27892 acute mountain sickness

MISHCHENKO, V. F.

Biocidal synthetic coatings based on high-molecular p 55 N86-14870 metalograanic compounds MISHELL R. L.

Molecular and biological properties immunopotentiating complex polysaccharide adjuvant produced by a gliding bacterium

[AD-A162664] p 160 N86-22086 MISHORI, M.

Central serous retinopathy (choroidopathy) in pilots p 254 A86-36317

MISHUSTIN, Y. N. Phosphorobacterin and its effectiver

p 248 N86-25973 [AD-A164508]

MISSIUL. B. V. Calmodulin, a second messenger - History of investigation and physiological importance p 157 A86-29256

MISULA, I. R.

The distinctive features of the energetic metabolism. glycolysis, and tissue respiration of the myocardium in rats having high and low resistance to hypoxia

p 80 A86-21455 MITANI, K.

Water recycling system using thermopervaporation p 150 N86-19921 method

MITCHELL C. A

Plant growth responses to atmosphere and other environmental variables in the Space Shuttle Plant Growth p 196 A86-30415 Effects of mechanical stresses, abscisic acid, and

outdoor exposure on growth and water relations of p 196 A86-30416 eggplant Optimization of controlled environments for hydroponic production of leaf lettuce for human life support in

CFLSS. p 152 N86-19936 MITCHELL, C. M.

Cognitive attributes to guide display design in automated command-and-control systems p 142 A86-23723 A discrete control model of operator function - A

methodology for information display design p 384 A86-41381 Pilot interaction with automated airborne decision

making systems [NASA-CR-176986] p 408 N86-31218

A discrete control model of PLANT

p 408 N86-31220

MITCHELL, J. C.

Proceedings of a workshop on Radiofrequency Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984 [AD-A157090] p 38 N86-12959

A blitz of bends - Decompression sickness in four

students after hypobaric chamber training p 378 A86-41790

MITCHELL, R. E. Cardiovascular epidemiology, exercise, and health -

40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789

Characterization and optimization of hydrogen production by a salt water blue-green alga Oscillatoria sp.

Miami BG 7. II - Use of immobilization for enhancement p 156 A86-28860 of hydrogen production Hydrogen production from salt water by Marine blue p 245 A86-34985 n algae and solar radiation MITTLEMAN, K.

A comparison of the effects of circuit weight training on men and women

[AD-A159419] p 69 N86-15910

MIXON, R. W. Baseline experiments in teleoperator control

[NASA-TP-2547] p 294 N86-26836 MIZUMOTO, C.

The effects of circuit weight training and G experience +Gz tolerance MIZUNO. Y.

Effects of -Gz centrifugal acceleration upon cardiac p 415 A86-50290

output of hamster MIZYSHIMA, Y.

Effect of low and high environmental temperatures on decompression sickness in the aging rat p 126 N86-19884

MKHITARYAN, V. G.

Dynamics of peroxide oxidation of lipids during stress p 83 N86-16883 MODELL, M.

Supercritical waste oxidation of aqueous wastes p 150 N86-19922

MOE. R. B. Effects of task difficulty and learning strategies in

multiple-task training p 178 A86-28451 MOFFITT, K. Criteria for a state-of-the-art vision test system p 45 N86-12973 [AD-A157099]

MOISE, S. L., JR.

An investigation of the use of steady-state evoked potentials for human performance and workload sessment and control

[AD-A166205] p 404 N86-30332

MOISEEV, A. A. A handbook of radiation dosimetry and hygiene p 25 A86-13457

MOISEEVA, O. I. Blood transport of oxygen (The role of erythrocytes) p 208 A86-33073

MOKHOREVA, S. I.

Changes in the carbohydrate energy metabolism in the p 276 A86-39719 rat brain under laser radiation MOKROV, M. N.

Special features of surgical intervention under conditions of weightlessness

[AD-A167916] p 423 N86-32092 MOMMADOV, I. M.

Effect of inclusion of supplementary ascorbic acid in daily diet on degree of vitamin saturation of body and thermoresistance of erythrocytes while working in arid zone

MONACO, W. A.

Visual capabilities related to fighter aircrew performance in the F-14 and adversary aircraft p 400 N86-30320 MONAHAN, J. C.

Behavioral effects of microwave radiation absorptio p 222 N86-23275 [PB86-113735]

MONEY K F Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996

MONGE, C. C.

Effects of hemodilution on O2 transport in high-altitude p 37 A86-16053 polycythemia

Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813

MONSON, C.

Oxygen consumption during cold exposure at 2.1 G in rats adapted to hypergravic fields p 199 A86-30432 MONSON, C. B.

Growth and development of mice and rats conceived and reared at different G-intensities during chronic p 195 A86-30403 centrifugation

Clinical problems encountered by a squadron flight D 112 A86-24502

surgeon MONTGOMERY, L. D.

Cardiovascular dynamics associated with tolerance to p 253 A86-36310 lower body negative pressure MONTOUR, J. J.

Canadian developments in aircrew chemical defence p 97 A86-19342 protection

MOON, R. E.

Pulmonary gas exchange in humans exercising at sea vel and simulated altitude p 419 A86-47874 level and simulated altitude

MOONEN, P. I. L. A Computer Aided Design (CAD) system as a tool for

the ergonomist in developing man-machine systems [IZF-1985-10] p 100 N86-17993

MOORE, A. A.

The relationship of intravascular bubbles to bends at altitude p 418 A86-47765 MOORE, D. H., II

Variation in baseline sister chromatid exchange frequencies in humans [DE85-016084] p 64 N86-14883

MOORE, G. T.

Effects of 60 Hz electric fields on operant and social

stress behaviors of nonhuman primates p 209 N86-23221 [DE86-002587]

Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates p 310 N86-27923

[DE86-003748] MOORE, J.

Growth and differentiation of mammalian embryonic

tissues exposed to hypergravity in vivo and in vitro p 194 A86-30400

MOORE, J. W. Biological investigations of adaptive networks. Neuronal control of conditioned responding

[AD-A160345] p 126 N86-19887 MOORE, L. G.

Headache at high altitude is not related to internal carotid arterial blood velocity p 8 A86-10108 Low acute hypoxia ventilatory response and hypoxic depression in acute altitude sickness

p 252 A86-36224

Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418 MOORTHY, A

Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954

[DE85-014695] p 17 N86-11846 MÒRAN. D. S.

Development of a portable oxygen system analyzer p 430 A86-47742

MORAY, N.

Hitts Law? A test of the relationship between information load and movement precision p 440 N86-32998 MOREY-HOLTON, E.

Bone loss during simulated weightlessness - Is it glucocorticoid mediated? p 197 A86-30423 Effect of simulated weightlessness and chronic Effect of simulated weightness to 1,25-dihydroxyvitamin D administration on bone metabolism p 198 A86-30425 The temporal response of bone to unloading

[NASA-TM-89228] p 397 N86-30303 MOREY-HOLTON, E. R.

Spaceflight and calcium metabolism

p 192 A86-30378 Transient dehydration of lungs in tail-suspended rats p 200 A86-30438

Skeletal response to short-term weightlessness INASA-TM-887781 p 379 N86-29496

MOREY, W. A.

Vision test battery threshold and response time as predictors of air-to-air visual target acquisition in F-14 and p 400 N86-30321 adversary aircraft

MORGAN, B. B., JR. Effects of task difficulty and learning strategies in utiline-task training p 178 A86-28451 multiple-task training

MORGAN D R The effects of mild hypoxia on a logical reasoning

p 18 A86-10261

MORGAN, E. W.

Acute oral toxicity (LD50) of guanidine hydrochloride in rate [AD-A165747] p 376 N86-28608

MÒRGAN, M. Helicopter flight control with one hand

p 269 A86-34923 controll

Flight test of a displacement sidearm

p 439 N86-32992 MORGAN, M. G. Stimulus specificity and individual stereotypy of autonomic responses to motion stressors

NASA-CR-1765431 p 171 N86-21107 MORIMOTO, M. Recent observations of organic molecules in nearby

cold, dark interstellar clouds p 296 A86-38139 MORIZUMI, N.

On the pilot's behavior of detecting a system parameter p 145 A86-25229 change MORONEY, W. F.

Development of an automated anthropometric data p 144 A86-23748 measurement system (AADMS) Automated anthropometric data measurement system [AD-D012299] p 443 N86-33017 MOROZE, M.

Comparison of novice and experienced pilots using p 227 A86-29865 analog and digital flight displays MOROZOV. A.

Review of book on principles of aviation psychology p 235 N86-23261

MORRIS, A.

Vision test battery threshold and response time as predictors of air-to-air visual target acquisition in F-14 and dversary aircraft p 400 N86-30321 MORRIS, A. C., JR.

Power and signal transmission for mobile teleoperated

IDF85-0139941 p 45 N86-12975

MORRIS, N. M. The effects of type of knowledge upon human problem

solving in a process control task p 74 A86-17771 PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774 Review and evaluation of empirical research in troubleshooting

p 186 A86-28865 [AD-A168660] An experimental approach to validating a theory of p 260 A86-33792 human error in complex systems On looking into the black box: Prospects and limits in

the search for mental models [AD-A159080] p 73 N86-15913

Pilot interaction with automated airborne decision making systems [NASA-CR-177002] p 385 N86-29508

Pilot interaction with automated airborne decision making systems
[NASA-CR-176986] p 408 N86-31218

MORRISON, D. R.

Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452 MORRISSEY, S. J.

Applicability of using the CAR-II model in design and evaluation of multioperator workstations with shared controls p 268 A86-33805

Microprobe analysis of epiphyseal plates from Spacelab 3 rats p 204 A86-30469

MORUKOV, B. V.

Body position during hypokinesia, and fluid-electrolyte metabolism p 60 N86-14853

Role of vitamin D3 active metabolites in regulation of calcium metabolism in hypokinetic rats

p 174 N86-21124

Effect of diphosphonates on bones of hypokinetic rats p 279 N86-27890 Method of demonstrating calcium in human foot by neutron activation of (alpha, N)-sources

p 287 N86-27899

MORWAY, P. E.

The effect of spectrally selective filters on visual search performance AD-A1658351 p 404 N86-30329

MOSELEY, M. J.

A design guide for visual displays and manual tasks in ration environments. Part 1: Visual displays

p 442 N86-33014 [ISVR-TR-133-PT-11 MOSER D

In the beginning . . . there was clay?

p 297 A86-38624 MOSER, M.

Circadian variation of volume and concentration of orthostatically shifted fluid Day course of blood and plasma density in relation to other hematological parameters p 215 A86-30446 Fluid and protein shifts after postural changes in p 421 A86-49523

MOSHKIN, M. P.

Problems in medical biorhythmology

p 206 A86-31371 MOSIER, K. L.

Levels of Information Processing in a Fitts law task (LIPFitts) p 436 N86-32980

MOSKALENKKO, IU. E.

Circulation and oxygen tension in the brain of wakeful rabbits in conditions leading to motion sickness

p 373 A86-43422

A comparison of dichotic listening task scoring methods

[AD-A159920] p 133 N86-18980 MOSORA, F.

Remarkable metabolic availability of oral glucose during long-duration exercise in humans p 216 A86-30684 MOSS, C. E.

Compendium of protective eyewear

[PB86-135779] p 273 N86-25126 MOSS, I. K.

A survey of speech audiometry in the National Health Service

[NPL-AC-105] p 221 N86-23267 MOSS, R. W.

Automation in the cockpit - Who's in charge? [SAE PAPER 841534]

p 146 A86-26005 Cockpit automation - Design and implementation

[SAE PAPER 851921] D 270 A86-35431 MOSSA, M.

Effects of carbon monoxide on personnel

[AD-P004882] p 163 N86-20628

MOTOYAMA, E. K. Bioimpedance measurement with respect to pulsatile

pulmonary blood flow p 271 A86-36316 MOYER, J. J. An examination of the life support equipment

development and acquisition process [AD-A162241] p 242 N86-24221

MOYZES, R.

Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result p 168 N86-21040

Immission and weather effects on children's airway troubles in Berlin (1979-1982). Time series investigations: Croup syndrome and asthmatic airway troubles

D 168 N86-21044 Emmission and weather effects on children's airway troubles in Berlin (1979-1982). Comparison of two different immissions: Loaded residential areas in West Berlin polluted areas p 168 N86-21045 MOZHAROV, O. T.

Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 MUDRÁIA, I. S.

Changes in the contractile and electrical activities of the rat myocardium under the effect of verapamil under insufficient oxygenation p 246 A86-35939

MUGUTDINOV, T. M.

Enhancement of somniferous effects of thermal pulsation by simultaneous application to two reflexogenic p 120 N86-19849

MUKHAMEDOV, E. G.

Possible effect of hyperlipemia on the development and course of atherosclerosis in flight personnel

p 90 A86-22568 MULLAHY .I.

Ambient ozone and human health: An epidemiological

PB85-2451811 p 93 N86-16896 Executive summary: Ambient ozone and human health: An epidemiological analysis

[PB86-114089] p 226 N86-24212 Ambient ozone and human health: An epidemological analysis, volume 3

[PB86-114105] p 226 N86-24213

MULLEN, S.

An automated system for comprehensive assessment of visual field sensitivity [AD-A162755]

p 178 N86-22104 MULLER, P. J.

Determination of increment of Bacillus subtilis biomass p 57 N86-15881 in weightlessness

MULLINS, D. W., JR.

Rationalization of some genetic anticodonic p 189 A86-28723 assignmente Chirally selective, intramolecular interaction observed in an aminoacyl adenylate anhydride p 372 A86-41046 Intramolecular interactions in aminoacyl nucleotides: Implications regarding the origin of genetic coding and p 302 N86-26873 protein synthesis MUND, K.

Determination of increment of Bacillus subtilis biomass in weightlessness p 57 N86-15881

MUNDT. J. C.

Teleoperation of legged vehicles - Unique problems associated with walking and foot placement p 268 A86-33811

MUNIPOV, V. M.

Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 p 65 N86-15866 MUNOZ E

Carbon isotopic fractionation in heterotrophic microbial metabolism p 371 A86-40669

MUNSON, R. C.

Event-related potential indices of workload in a single p 130 A86-23733 task paradigm Processing inferences derived from event-related

potential measures in a monitoring task p 262 A86-33822

MURAKAMI, D. M.

Changes in functional metabolism in the rat central nervous system following spaceflight

p 199 A86-30433 Effects of weightlessness on neurotransmitter receptors p 203 A86-30462 in selected brain areas

The effect of a hyperdynamic environment on the development of the rat retina p 203 A86-30463

MURASHEV, A. N. Hemodynamic correlates of immobilization stress in p 373 A86-43423 rats

MURAVEV A V.

Changes in pericardial microcirculation in dogs during p 392 A86-45321 adaptation to static muscle loads MURCHISON, C. M.

Production and characterization of antibodies to enzo(a)pyrene [DE86-002204] p 222 N86-23271

MURPHY, B. P.

Development of a mechanical analog of a human spine p 418 A86-47753

Cognitive attributes to guide display design in automated

command-and-control systems p 142 A86-23723 MURPHY, M. R. Aircrew coordination and decisionmaking: Peer ratings

of video tapes made during a full mission simulation p 440 N86-32999

MURPHY, T. V.

Foodborne and waterborne disease outbreaks. A compilation and subjective profile [AD-A158536] p 63 N86-14876

MUSACCHIA, X. J.

true weightlessness

Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content

p 106 A86-25660 Altered carbohydrate metabolism in the whole body suspended rat p 199 A86-30431

Effect of seven days of spaceflight on hindlimb muscle protein, RNA and DNA in adult rats p 204 A86-30471 The use of suspension models and comparison with

p 205 A86-30480

MUSOLINE, S. V.

Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954 [DE85-0146951

MUZA. S. R.

p 17 N86-11846

Thermoregulatory and blood responses during exercise at graded hypohydration levels p 36 A86-16052 Human thermoregulatory responses to cold air are altered by repeated cold water immersion

p 281 A86-39094

Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] p 68 N86-15904

Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress [AD-A165014]

p 289 N86-27916 Human vascular fluid responses to cold stress are not altered by cold acclimation

[AD-A1658691 p 398 N86-30305 Induced erythrocythemia and maximal aerobic power:

An examination of modifying factors [AD-A166522] p 402 N86-31212 MYERS, K. J.

Visual perception in correlated noise

p 181 N86-22106

Effects of 9-hour time zone changes on fatigue and circadian rhythms of sleep/wake and core temperature [NASA-TM-88197] p 92 N86-16890 MYHRE, K.

Analyses of maximum cardiopulmonary performance during exposure to acute hypoxia at simulated altitude -Sea level to 5000 meters (760-404 mm Hg)

p 60 A86-18839 Proteinuria in fighter pilots after high +Gz exposure p 113 A86-25653

MYLES, W. S.

The energy cost of combat engineer tasks [AD-A161861] p 223

p 223 N86-24195

## N

NAALSUND, L. U.

Chemically induced damage to the hippocampal formation

[NDRE/PUBL-86/1002] NACHTWEY, D. S.

p 255 N86-25112

Physiological considerations for EVA in the Space Station era

[SAE PAPER 851313] p 111 A86-23504 NADAL. M.

Positively supercoiled DNA in a virus-like particle of an archaebacterium NADEL, E. R.

Forearm skin and muscle vasoconstriction during lower body negative pressure p 280 A86-39093 NAGANO, H.

Mental fitness for duty and control of arousal state [SAE PAPER 851778] p 263 A86-35429 NAGASAWA, Y.

Changes of flying skills during non-flight periods

p 41 A86-13944 Review on secondary task technique for workload assessment Some consideration of secondary task paradigms and an assessment model

p 403 A86-43539 NAGEL, D. C.

Pilots of the future - Human or computer?

p 74 A86-18541 NAIDU. J. R.

Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954

[DE85-014695] p 17 N86-11846 NÀIFEH, K.

General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 Exploratory studies of physiological components of motion sickness: Cardiopulmonary differences between high and low susceptibles

[NASA-CR-176541] p 171 N86-21108 NAJJAR, L. J.

The effects of redundancy, target density and practice on a complex visual search task p 142 A86-23712 NAKAMURA, A.

Changes in catecholamine excretion during physical and ental workload p 161 A86-28099 Changes in glycolytic intermediates in rat erythrocytes mental workload during exposure to simulated high altitude

p 156 A86-29097 Alteration of rat brain catecholamine levels under

p 391 A86-43540 Effect of low and high environmental temperatures on

decompression sickness in the aging rat p 126 N86-19884

p 109 N86-19839

p 90 A86-22567

n 88 A86-22534

p 208 A86-32699

p 210 N86-23247

n 276 A86-39718

Covalent crosslinks between filaments in DNA induced

Calculation method for determining energy expenditure

The risk of arterial hypertension and the features of

Study of cell-wall antigen determinants in ribosomal

Studies of radioprotective properties of adeturon and

Search for DNA host specificity systems in salmonella

Cyclic adenosine-3',5'-monophosphate and cyclic

The effect of high frequency electromagnetic fields on

A study of the effect of ultrasound on the antigenic

human beings (frequency range between 1 kHz and 1000

guanosine-3',5'-monophosphate in the blood plasma of

mice injected with chemicals of different radioprotective

polyanion, applied separately and in combination

functional brain asymmetry in workers employed in

regularly repeated expedition-type work

preparations of group a streptococcus

NIKOGOSYAN, D. N.

NIKOLAEV. E. A.

for operators

NIKOLAEVA, E. I.

NIKOLAYEV, L. V.

NIKOLOV. I. T.

NIKOLSKAYA, I. I.

NIKOLSKII, A. V.

efficiency

NISNEVICH. M. M.

NIMTZ. G

GHz)

by laser

NAKASHIMA, T. NAKASHIMA, T. Protobiological informatoin, bidirectional recognition and D 303 N86-26878 reverse translation Modification of the resting oxygen consumption level of biological body and its tissues, during prolonged hypodynamics exposure p 194 A86-30398 NAKHOST 7 Potential for utilization of algal biomass for components of the diet in CELSS [SAE PAPER 851388] p 140 A86-23567 Utilization of non-conventional systems for conversion of biomass to food components: Potential for utilization of algae in engineered foods [NASA-CR-176257] p 6 N86-11830 Potential for utilization of algal biomass for components of the diet in CELSS p 148 N86-19907 NALETTE, T. A. Development status of regenerable solid amine CO2 control systems [SAE PAPER 851340] p 138 A86-23527 NARAKI, N. Effect of low and high environmental temperatures on decompression sickness in the aging rat p 126 N86-19884 NARKATES, A. J. Impaired pulmonary conversion of angiotensin I to andiotensin II in rats exposed to chronic hypoxia NARVAEZ. A. Syllogistic reasoning tasks, a methodological review [AD-A159190] p 71 N86-14892 NASHIMOTO, I. An appraisal of dive profiles in shellfish divers with reference to the risk of decompression sickness p 125 N86-19879 NASOLODIN, V. V. Manganese metabolism in healthy humans during different times of the year p 255 A86-36533 NAUMENKO, G. M. Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum p 106 A86-24425 proteins NAVAKATIKIAN, A. O. Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory systems muscular work p 422 A86-49919 NAVARRO, T. Comparison of voice types for helicopter voice warning [SAE PAPER 841611] p 147 A86-26030 Vectorcardiographic studies during Indo-Soviet joint space project p 251 A86-35288 NAYDINA, V. P. Metabolic distinctions of human red blood during long-term spaceflights p 60 N86-14850 Evaluation of condition of human skin in a closed environment by means of chromatography p 174 N86-21130 NAZHIVIN, IU. S. A quick method for evaluating operators work p 420 A86-49268 NEADES, D. N. An examination of injury criteria for potential application to explosive safety studies [AD-P004883] p 163 N86-20629

Immunological analyses of U.S. Space p 162 A86-29091 NEATHAMMER, R. D. The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110 NECHAEVA, L. A. A quick method for evaluating operators' work p 420 A86-49268 NEDBAEVA, N. D. Seasonal dynamics of circadian rhythms of oxygen consumption and heat production in youths in Sibe p 254 A86-36529 NEEDELS, M. C. Stereoselective aminoacylation of RNA p 302 N86-26875 NEFF. A. W. Response of amphibian egg non-yolk cytoplasm to gravity orientation p 195 A86-30407 NEGRON-MENDOZA, A.

NIKETIC. V.

Shuttle Radiation chemistry of a multicomponent aqueous NIKIFOROV, V. G. system relevant to chemistry of cometary nuclei

p 77 A86-17740

p 88 A86-22532

Individual and typological functional properties of the

sympathoadrenal system as a prognostic index of the

functional state of an organism in complex environmental

NICHIPORUK, I. A. NICHOLS, D. A. Decluttering NICHOLSON, A. N. Performance overnight in shiftworkers operating a day-night schedule NICOGOSSIAN, A. E. T. Development of countermeasures for use in space [IAF PAPER 85-327] NICOLO, D. M. Improvements and modifications to naval helicopter NIELSEN, A. M. Carotid bodies are required for ventilatory acclimatization to chronic hypoxia NIEMEYER, D. Determination of the load and stress on a cockpit crew during flight using tasking networks and the SAINT ation language NIEWOEHNER, D. Solute conductance of blood-gas barrier in hamsters exposed to hyperoxia NIGMATULLIN, T. G. Search for DNA host specificity systems in salmonella

NELSON, B. The role of plant disease in the development of controlled ecological life support systems p 153 N86-19942 NEMIROFF. M. J. A comparison of the protection against immersion hypothermia provided by Coast Guard anti-exposure clothing in calm versus rough seas AD-A1584131 p 75 N86-14898 NENASHEV. A. A. Mechanical resistance of erythrocytes and oxygen mass transport in hypoxic states due to different conditions p 88 A86-21452 The detection of various color combinations under different chromatic ambient illuminations p 378 A86-41783 The effects of color-coding in geosit displays. 1: Color as a redundant code [AD-A161107] An evaluation of color sets for CRT displays [AD-A163894] p 273 N86-25125 The effects of color-coding in GEOSIT (geographical situational) displays. 2: Redundant versus non-redundant color-coding p 405 N86-30334 (AD-A166263) NERTNEY, R. J. Basic human factors considerations D 409 N86-31223 [DE86-008181] Impact of the human on system safety analysis [DE86-008182] p 409 N86-31224 Human factors management [DE86-008184] p 409 N86-31226 NETICK, A. concurrent discrete task [NASA-CR-177019] NETUDYKHATKA, O. Y. NEWELL, K. M. NEWMAN, J. A. systems for high performance aircrew helmet NEWTON, G. L. NIBLEY, C. W. Cooperation of catalysts and templates

activity of human erythrocytes p 254 A86-36495 Hesitations in continuous tracking induced by a NITTA, K. Basic consideration on CELSS [IAF PAPER 85-307] p 382 N86-29503 p 45 A86-15819 CELSS experiment model and design concept of gas Influence of shipboard environmental factors recycle system conditioned reflex activity of experimental animals during a long voyage p 278 N86-27873 [SAE PAPER 851393] p 141 A86-23570 Sodium and potassium recycle closed ecosystem-space agriculture p 144 A86-25199 The role of impulse parameters in force variability CELSS experiment model and design concept of gas p 439 N86-32997 p 148 N86-19909 Gas and water recycling system for IOC vivarium The development of two prototype facial protection experiments p 150 N86-19920 Water recycling system using thermopervaporation p 430 A86-47739 method p 150 N86-19921 NITZBERG, D. Evolution of thiol protective systems in prokaryotes The perception of motion during colinear p 307 N86-26896 p 41 A86-14143

Aldosterone, cortisol, and electrolyte responses to p 301 N86-26871 hypobaric hypoxia in moderate-altitude natives p 32 A86-14316 The role of hormonal changes in the development of NOBLE, D. F. motion sickness in man p 216 A86-30896 Schema-based theory of information presentation for distributed decision making methods hiah density [AD-A163150] p 266 N86-25992 computer-generated graphic displays NODDELAND, H.

p 267 A86-33790

p 179 A86-29095

p 36 A86-15832

p 431 A86-47761

p 206 A86-30682

p 432 A86-47770

p 391 A86-44195

p 210 N86-23247

p 23 A86-12003

NOBLE, B. J.

Proteinuria in fighter pilots after high +Gz exposure p 113 A86-25653 NOLAN, R. W. Effect of increased body clothing insulation on hand

temperature in a cold environment [AD-A156597] p 22 N86-10786 NOLAN, W. F. Effect of hypocapnia on ventral medullary blood flow and pH during hypoxia in cats p 413 A86-47869

NOLD, J. B. Topical effects of molten salt on rat integument - A histological and photometric assessment

Human cognition and performance [AD-A157665] NORMAN, J. Target detection and recognition

NEIZHMAKOVA, N. A.

p 10 A86-10701 NIKIFOROV. V. I. Oxygenation and regional circulation in gingival mucosal accelerations

short-term exposures to a hot environment

under effect of head-to-pelvis (+Gz) p 65 N86-15872

Radiation chemistry of an aqueous solution of glycine

Adaptation of the human organism to the repeated

Compounds of interest to chemical evolution studies

NOSAR, V. I.

Effect of hyperoxic gas mixtures on oxygen mass transfer through the hematoparenchymatous barrier

p 103 A86-23492

NOSKOV. V. B. Body position during hypokinesia, and fluid-electrolyte metabolism p 60 N86-14853 NOSOFSKY, R.

similarity and the identification Overall separable-dimension stimuli - A choice model analysis p 133 A86-26296

NOVIKOV. I. V.

Effect of emotional stress on hemostasis system of healthy persons p 19 N86-10745 NOVIKOV, V. S.

Methods of regulating the adaptation and resistance processes in navy personnel p 110 A86-23495 The theoretical principles of adaptation

p 208 A86-33072

Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p 13 N86-10750 NOVIKOV, V. Y.

Effect of weightlessness and some of its models on mechanical properties of animal bones submitted to torsion p 173 N86-21123

NOVIKOVA, N. D.

Reproductive capacity of microflora on polymers used in sealed environments p 280 N86-27897 NOVODVORSKIY, I.

Discovery regarding electron redistribution among cell membranes p 217 N86-23227

NOVOZHILOV, G. N.
Mechanism of adaptogenic action of prickly

eleuterococcus on man during heat stress p 14 N86-10757

NOYES, G.

dioxide reduction

Development of a carbon formation reactor for carbon [NASA-CR-171907] p 46 N86-13898 NOYES, G. P.

Initial development and performance evaluation of a process for formation of dense carbon by pyrolysis of

[SAE PAPER 851342] p 138 A86-23529 NUCKOLS, M. L.

Design guidelines for carbon dioxide scrubbers, revision

[AD-A1601811 p 147 N86-18989 NUELL, M.

Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 NULLMEYER, R. T.

Relationships among aircrew performance measures for evaluating flight simulator training effectiven

p 381 A86-40479 NUNNELEY, S. A.

Immersion cooling - Effect of clothing and skinfold

FAD-A1634271 p 59 A86-18837 NUSBAUM, H. C.

Effects of speech rate and pitch contour on the perception of synthetic speech p 234 A86-31824 NYGREN, T. E.

Axiomatic and numeric conjoint measurement - A comparison of three methods for obtaining subjective workload (SWAT) rankings p 178 A86-28435

Method for the determination of respiratory work in protective masks

[FOA-C-40213-C2] p 380 N86-29500

0

OBAR, R.

Molecular archaeology of the mitochondrial genome p 104 A86-23996 Microbial contributions to the Precambrian Earth

p 307 N86-26899 OBATA, T.

Changes of flying skills during non-flight periods P 41 A86-13944 OBERBECK, V. R. W.

A gas chromatograph experiment for a Titan entry p 299 N86-26856 OBERMAYER, R. W.

Performance measurement guidelines for research p 71 N86-14891 OBRIEN, J. J.

A comparison of the effects of circuit weight training on men and women [AD-A159419] p 69 N86-15910

Changes in fitness and shipboard task performance following circuit weight training programs featuring continuous or interval running [AD-A163110] p 225 N86-24206

OBRODOVICH, H.

Hypoxia-induced vasopressin release and coagulopathy in a normal subject p 60 A86-18844 OBUKHOVA, L. K.

The geroprotective activity of 2,6-dimethyl 3,5-diethoxycarbonyl 1,4-dihydropyridine

p 49 A86-16783 OCAMPO-FRIEDMANN, R. Microfossils in the Antarctic cold desert: Possible

implications for Mars p 307 N86-26897 OCONNOR, M. E.

Teratogenic effects of microwave radiation [PB85-2074621

p 7 N86-11837 OCONNOR, M. Ó.

Energy expenditure and activity patterns of cadets at the United States Military Academy, West Point, New

[AD-A157857] p 38 N86-12960 ODEAN, M. J.

Studies on the mechanism of suppression of the immune response by synthetic, non-toxic adjuvants [AD-A1624441 p 160 N86-22085

ODENHEIMER, R. C. The effect of antimotion sickness drugs on habituation to motion p 377 A86-41780

Physiological profile of world-class high-altitude climbers p 281 A86-39098

The influence of heliometeorologic factors on circulation and some vegetative functions p 165 N86-21021

OERNHAGEN, H. The Eleventh Annual Meeting of the European Undersea Biomedical Society (EUBS) on Diving and Hyperbaric

[FOA-C-50021-H1] p 121 N86-19854 An attempt to counteract nitrogen narcosis by naloxone p 123 N86-19865

OERTENDAHL, T. Oral changes in divers working with electrical equipment p 124 N86-19873

OGANESYAN, S. S. Changes in physicochemical properties of contractile and regulatory proteins in different types of muscles during and after exposure to accelerations p 61 N86-14860 OGANOV. V. S.

Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations

p 54 N86-14858 Effect of weightlessness and some of its models on mechanical properties of animal bones submitted to torsion p 173 N86-21123

OGANYAN, R. O. Effects of cold exposure on thermal status of men and vomen p 285 N86-27874

OGAWA, W. Cold water immersion test of prototype anti-exposure suits for aircrews p 44 A86-13942 OGINO, H.

The organic aerosols of Titan OGUCHI, M. p 298 N86-26852

CELSS experiment model and design concept of gas recycle system

[SAE PAPER 851393] p 141 A86-23570 Utilization of membranes for H2O recycle system

[SAE PAPER 851394] p 141 A86-23571 CELSS experiment model and design concept of gas recycle system p 148 N86-19909

Utilization of membranes for H2O recycle system p 148 N86-19910

OHANLON, J. F. Driving performance the day after use of loprazolam,

flunitrazepem and placebo [VK-83-04] p 290 N86-26826 The effects of the antidepressants oxaprotiline, mianserin, amitryptiline and doxepin upon actual driving performance

[VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon

actual driving performance [VK-83-02] p 291 N86-26834

Zopiclone's residual effect upon actual driving performance versus those of nitrazepam and flunitrazepam

p 423 N86-32954 OHARA, B. J.

A gas chromatograph experiment for a Titan entry probe p 299 N86-26856 Molecular and Elemental Dust Analyzer (MEDA) for the

comet rendezvous asteroid flyby mission p 299 N86-26857 OHIRA. M.

Biochemical responses of Xenopus laevis muscles to changes in environment. II - Responses to gravity and pressure p 415 A86-50289 OHIRA, Y.

Biochemical responses of Xenopus Laevis muscles to changes in environment. I. Comparison to Rana Catesbeiana and exposure to gravic environment

p 415 A86-50288 Biochemical responses of Xenopus laevis muscles to changes in environment. II - Responses to gravity and p 415 A86-50289 OHISHI, M.

Recent observations of organic molecules in nearby cold, dark interstellar clouds p 296 A86-38139 OHTA, N.

HLA-D: The T cell perspective

[AD-A160019] p 84 N86-17976 OHYA. H.

Utilization of membranes for H2O recycle system [SAE PAPER 851394] p 141 A86-23571 Wet-oxidation waste management system for CELSS [SAE PAPER 851398] p 141 A86-23575 Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199

Utilization of membranes for H2O recycle system p 148 N86-19910

OKADA. A. Effect of immobilization stress on body weight in rats p 81 A86-22324

OKAUF M Psychological states of student pilots in flight training

p 41 A86-13943

Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment

p 87 A86-20410 OKUBO, J.

Investigation of Eustachianal function in JASDF pilots by new apparatus. I - On the pressural regulation of the Eustachian tube in normal human p 32 A86-13941 OKUNEVA, G. N.

Unsteady blood flow in humans under conditions D 33 A86-15443 OLEARY D. S.

Mode of neural control mediating rat tail vasodilation during heating p 28 A86-16055 OLEM. H.

Kinetics of biological ferrous iron oxidation [DE85-014616]

p 4 N86-10736 OLIVER, B. M.

Overview of the NASA SETI Program

p 309 N86-26909 OLIVER, J. G.

Situation versus command [SAE PAPER 841638]

p 147 A86-26023 OLLIVIER, J. P.

Complete right branch blocking and the flight fitness of pilots p 31 A86-13567 OLOFF, C. M.

The effects of ketamine on Rhesus monkey skeletal dynamics AD-A162848] p 213 N86-24189

OLSEN, E. T. Goldstone field test activities: Sky survey

p 310 N86-26912 OLSEN, G. J.

Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus

and its evolutionary implications p 104 A86-23998 OLSEN, J. Carbon isotopic fractionation in heterotrophic microbial

metabolism p 371 A86-40669 OLSEN, R. E. The roles of astronauts and machines for future space

operations [SAE PAPER 851332] p 137 A86-23521

OLSEN, R. G.

A comparison of the specific absorption rate in a homogeneous man model and a man model containing realistic model bones [AD-A168547]

p 424 N86-32960

OLSON, J. E.

Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function p 395 A86-44089

The relationship of intravascular bubbles to bends at altitude p 418 A86-47765

OMAN, C. M. Spacelab experiments on space motion sickness

[IAF PAPER 85-312] p 35 A86-15823 OMAROVA, K. P. The dependence of thromboelastographic indices in

healthy subjects on geomagnetic-field conditions p 90 A86-22545 OMLIE, L. C. OMLIE, L. C. An automated methodology for conducting human factors evaluations of protective garments p 268 A86-33817 Environmental impact research program. Status and source of habitat models and literature reviews. December p 28 N86-12950 FAD-A1568991 ONISHCHENKO, P. M. The diaphoretic reflex in a complex of methods for p 88 A86-21453 estimating operator efficiency Sweating reflex in complex of methods for evaluating p 285 N86-27872 operator efficiency ONSTOTT, E. D. Maximum normalized acceleration as a flying qualitie p 442 N86-33012 parameter OPALINSKAIA. A. M. Effect of cosmoheliogeophysical factors on bacterial p 155 A86-27473 agglutionation in vitro The effect of external factors on the reactions modeling biological processes (Piccardi test) p 247 A86-36498 OPARIL S. Impaired pulmonary conversion of angiotensin I to angiotensin II in rats exposed to chronic hypoxia p 246 A86-36218 OPPEDAL, B. R. Diffuse pulmonary ossification and spontaneous pneumothorax in a pilot - A case report p 395 A86-44093 OPRSALOVA, Z. Catecholamine content of single brain nuclei in August rats following immobilization stress p 3 A86-12521 OPRYSHKO, A. V. Characteristics of accelerations in aerobatic flight as a p 172 N86-21117 sport OREMLAND, R. S. Aspects of the biogeochemistry of Big Soda Lake, p 51 A86-18031 ORENBERG, J. Adsorption and condensation of amino acids and nucleotides with soluble mineral salts p 301 N86-26869 ORESTANO, F. V. Elements of Radiation Protection [ISS-L-84/7] p 288 N86-27908 Operating radiation protection: Physical aspects p 288 N86-27911 ORGEL, L. E. Template-directed oligonucleotide de ligation on p 393 A86-45960 hydroxylapatite Molecular replication p 302 N86-26874 ORLITA, R. Some problems in flight mechanics with respect to flight p 131 A86-23772 safety

ORLOV, I. V.

Neck and oculomotor reflexes induced by electrical stimulation of the semicircular canal ampullae in the pigeon p 26 A86-14595
ORLOV, O. N.

Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 ORLOY, V. N.

Effect of positive pressure breathing on hemodynamics in patients with borderline hypertension submitted to water immersion p 61 N86-14855
Effect of dry immersion model on parameters of

fluid-electrolyte metabolism, blood plasma aldosterone and cortisol levels in individuals differing in body fluid content p 65 N86-15875 ORLOVA, G. S.

Changes in immunity under stress p 420 A86-49267
ORLOVA. M. I.

Reproductive capacity of microflora on polymers used in sealed environments p 280 N86-27897 ORLOVA, T. G.

Production of gamma and alpha-interferon by human blood leukocytes under successive induction conditions p 217 N86-23229

ORLOVA, Z. S.
Changes in immunity under stress

p 420 A86-49267

ORO, J.

The principle of cooperation and life's origin and

or cooperation and life's origin and evolution p 303 N86-26880

DRR, J. L.

Effects of 60 Hz electric fields on operant and social

stress behaviors of nonhuman primates
[DE86-002587] p 209 N86-23221
Effects of 60 Hz electric fields on operant and social
stress behaviors of nonhuman primates
[DE86-003748] p 310 N86-27923

OSADA, H.

Changes in glycolytic intermediates in rat erythrocytes during exposure to simulated high altitude

p 156 A86-29097

OSGOOD, R.
Pilot usage of decoupled flight path and pitch controls
p 236 A86-29854

OSSENKOPP, K.-P.

Animal models of motion sickness - Are nonemetic species an appropriate choice? p 193 A86-30393 OSSENKOPP, M. D.

Animal models of motion sickness - Are nonemetic species an appropriate choice? p 193 A86-30393 OSTASHEVA, N. Y.

Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131

OSTROVSKAIA, E. E.

Spectral-correlation characteristics of EEG in the course of short-term memory tests. I - A study of spectral-correlation parameters of the potentials in the human neocortex during correct short-term memorizing p 419 A86-49263

OTSUBO, K.

Gas and water recycling system for IOC vivarium experiments p 150 N86-19920

OTSUBU, S.

Operator alertness/workload assessment using stochastic model-based analysis of myoelectric signals [AD-A168567] p 428 N86-32973
Operator alertness/workload assessment using

Operator alertness/workload assessment using stochastic model-based analysis of myoelectric signals [AD-A168568] p 429 N86-32974
OTTO D.

Application of portable microprocessor-based system for electrophysiological field testing of neurotoxicity [PB86-145471] p 379 N86-28615

OUTLAW, W. H., JR.
Guard cell biochemistry: Response to environmental stimuli causing changes in gas exchange
[DE86-010287] p 416 N86-32086

[DE86-010287] p 416 N86-32086

OUYANG, L.

Space motion sickness preflight adaptation training

Preliminary studies with prototype trainers
[IAF PAPER 85-311] p 35 A86-15822

OWE, J. O.

Analyses of maximum cardiopulmonary performance during exposure to acute hypoxia at simulated altitude - Sea level to 5000 meters (760-404 mm Hg)

Sea level to 5000 meters (760-404 mm Hg)
p 60 A86-18839

OWEN, D. H.

The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion

p 230 A86-29901 The effects of preview period on descent detection p 230 A86-29902

Sources of optical information and their metrics for detecting loss in altitude p 230 A86-29903 Increasing sensitivity to optical information specifying p 230 A86-29904 Optical and event-duration self-motion perception [AD-A161836] p 223 N86-24194

OWENS, J. M.

Simple and choice reaction time in a secondary task under varied stimulus modality probabilities [AD-A159698] p 135 N86-19896

OXENDER, D.
Japanese Technology Evaluation Program (JTECH):
Biotechnology Panel
[PB86-109386] p 161 N86-22092

OYAMA, J.
Increased gluconeogenesis in rats exposed to hyper-G
stress increased gluconeogenesis in rats exposed to hyper-G
stress p 103 A86-23311

Growth and development of mice and rats conceived and reared at different G-intensities during chronic centrifugation p 195 A86-30403

Ρ

PAAP, K. R.

Cognitive network organization and cockpit automation p 237 A86-29858

PACE, N.
Skeletal mass change as a function of gravitational loading p 192 A86-30380
PACE, N. R.

Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 RNA catalysis and the origin of life p 372 A86-41043

PACIOREK, J. A.

A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure p 121 N86-19857

PACKER, L

Application of photosynthetic N2-fixing cyanobacteria to the CELSS program p 151 N86-19929 Proceedings: Protons and Membrane Reactions held at Santa Barbara, California on 28 January - 1 February 1985 [AD-A161331] p 159 N86-22082

PADALINO, M.

Control of arachidonic acid release in chick muscle cultures p 198 A86-30429

PAFCH. S.

The life sciences on board of Spacelab D1 p 106 A86-24610

PAECHT-HOROWITZ. M.

Further work on sodium montmorillonite as catalyst for the polymerization of activated amino acids

p 301 N86-26868

Pótency of photoflash-produced retrograde amnesia in rats

[AD-A159149] p. 55 N86-15859
PALETS, B. L.
Hemodynamics during gravitational overloads
(methodelical modelica)

(mathematical modeling) p 12 N86-10739

PALINKAS, L. A.

Health and performance of antarctic winter-over

Health and performance of antarctic winter-over personnel: A follow-up study
[AD-A161773] p 182 N86-22109

PALLIKARAKIS, N.

Remarkable metabolic availability of oral glucose during long-duration exercise in humans p 216 A86-30684

The influence of preview period and global optical flow rate on sensitivity to loss in speed of self motion

p 230 A86-29901 PALMER, E. A.

Division of attention as a function of the number of steps, visual shifts, and memory load [NASA-TM-88775] p 404 N86-30328

[NASA-TM-88775] p 404 N86-3032
PALMER, J. F.

Inflight loss of consciousness - A first look at the U.S.
Navy experience p 396 A86-44780
PALOMER, J.

\*ALOMER, J.

Explaining the unexplained dysbaric sport diving accidents p 123 N86-19864

PALOSOVA, T. A.

Leukocytic reactions caused by emotional stress

p 34 A86-15519 PANCHENKO, V. S.

Some human reactions during 7-day antiorthostatic hypokinesia p 286 N86-27885 PANDOLF, K. B.

Thermoregulatory and blood responses during exercise at graded hypohydration levels p 36 A86-16052 Plasma hormonal responses at graded hypohydration levels during exercise-heat stress

[AD-A164941] p 86 A86-20004 Effects of body mass and morphology on thermal responses in water

responses in water p 162 A86-28123
Human thermoregulatory responses to cold air are attered by repeated cold water immersion p 281 A86-39094

Circulatory and thermoregulatory actions of hydration during exercise-heat stress [AD-A158440] p 63 N86-14875

Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] p 68 N86-15904

Prediction modeling of physiological responses and human performance in the heat

[AD-A160513]

p. 115 N86-18965

[AD-A160513] p 115 N86-18965 Factors which alter human physiological responses during exercise-heat acclimation

during exercise-heat acclimation
[AD-A160580] p 115 N86-18967

Perceptual and physiological responses during exercise in cool and cold water

[AD-A165491] p 283 N86-26600

[AD-A165491] p 283 N86-26800 Human vascular fluid responses to cold stress are not altered by cold acclimation

[AD-A165869] p 398 N86-30305 Induced erythrocythemia and maximal aerobic power:

Induced erythrocythemia and maximal aerobic power
An examination of modifying factors

[AD-A166522] p 402 N86-31212 PANFEROVA, N. Y.

Prospects for using ultraviolet radiation in long-term spaceflights p 285 N86-27879 Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893

PANKOVA, A. S.

Comparison of bone reactions of rats submitted to clinostatic and antiorthostatic hypokinesia

p 174 N86-21125

Effect of diphosphonates on bones of hypokinetic rats		
	PATTERSON, J. H., JR.	PERRAMON, A.
p 279 N86-27890	The effect of impulse intensity and the number of	
PANKOVA, I. M.	impulses on nearing and cochlear pathology in the	Biological parameters in Japanese quail genetically selected for resistance or sensitivity to an acute hypoxic
Artificial closed ecosystem 'man-plants' with a full	CHINCHINA	
regeneration of atmosphere, water and ration vegetable part	[AD-A161230] p 109 N86-19827	PERSIANOV, G. M.
FIAR BARRE OF THE STATE OF THE	A chinchilla restraint system	Clastical and a structure
	[AD-A167408] p 416 N86-32084	PERTSOV. O. L. p 241 A86-33322
PANTEV, T. P.	PATTERSON, M. J.	Heat transfer mechanism in human extremities
Studies of radioprotective properties of adeturon and	The effects of redundancy, target density and practice	
polyanion, applied separately and in combination	on a complex visual search task p 142 A86-23712	PESWANI, R. p 14 N86-10759
p 208 A86-32699	Use of a signal detection paradigm to assess subjective	Effects of raised body temperature on reasoning,
PAPAGIANNIS, M. D.	intersection points in a target location task	memory, and mood p 86 A86-20002
Using the IRAS data to search in the asteroid belt for	The effects of acres acres p 129 A86-23720	PETAR, D.
any potential evidence of galactic colonization	The effects of aerial perspective on altitude estimation	Hyberbaric oxygen in the treatment of Bell's palsy
p 309 N86-26908	p 130 A86-23730	p 124 N86-19870
PARAMORE, B.	Altitude estimation of pilot and non-pilot observers using real-world scenes	PETERKA, R. J.
Human Factors Review Plan [DE86-010561] n 444 N86-33023	PATTERSON, S.	Normal and abnormal human vestibular ocular
	Oxygen consumption during cold exposure at 2.1 G in	Tunction
PARASURAMAN, R.		[NASA-CR-176820] p 257 N86-25978
The use of signal detection theory in research on	PATTON, J. F.	PETERS, R. M.
human-computer interaction p 266 A86-33779	An evaluation of tests of anaerobic power	Advanced clinical research in shock and trauma
Event-related brain potentials and intermodal divided	[AD-A162826] p 224 N86-24203	[AD-A162730] p 177 N86-22103
attention p 262 A86-33821	Aerobic capacity and coronary risk factors in a	PETERS, R. M., JR.
PARDUHN, N. L.	middle-aged army population AD-A163998 HC A02/MF	Nocturnal periodic breathing at altitudes of 6,300 and
Recovery of viable thermoactinomyces vulgaris and	A01	8,050 m p 419 A86-47875
other aerobic heterotropic thermophiles from a varved	[AD-A163998] p 257 N86-25979	PETERSEN, G. R.
sequence of ancient lake sediment p 51 A86-18030	PAULL, R. M.	Determining a carbohydrate profile for Hansenula
PARFENOV, G. P.	Cardiovascular standards for selection and retention of	polymorpna p 82 A86-22710
Determination of increment of Bacillus subtilis biomass	high performance pilots in the USAF: Perspectives for the	The development of an unconventional food
in weightlessness p 57 N86-15881	next decade p 399 N86-30313	regeneration process: Quantifying the nutritional
PARKER, D. E.	PAULUKAITIS, K. R.	components of a model methylotrophic yeast
Space motion sickness preflight adaptation training	The system integration and verification testing of an	p 151 N86-19928
Preliminary studies with prototype trainers	orbital maneuvering vehicle for an air bearing floor	PETERSEN, M. J.
[IAF PAPER 85-311] p 35 A86-15822	[NASA-CR-178350] p 242 N86-24217	Reduction of circadian disruption following surgery by
PARKINS, C. W.	PAVLICEK, J. H.	ingestion of caffeine in the laboratory rat
Speech analysis based on a model of the auditory	Evolutionary significance of osmoregulatory	p 201 A86-30447
system	mechanisms in cyanobacteria p 307 N86-26898	PETERSON, A.
[AD-A167426] p 427 N86-32098	PAVLOVSKIY, V. I.	Stanford Hardware Development Program
PARNELL, J. L.	Greenhouses with curvilinear planting surface	PETERSON, E. p 309 N86-26910
The scared pilot p 228 A86-29887	n 159 N86-21122	
PARNELL, M. J.	PEACOCK, B.	Organic S13C values vary slightly with salinity in
Hemodynamics of miniature swine during +Gz stress	EVA suit glove design p 383 A86-40521	microbial mats at Guerrero Negro, Baja California Sur,
with and without anti-G support p 275 A86-39096	PEARLMAN, F. C.	Mexico: Implications for stromatolite S13C values
'ARNES, S.	An updated model for a Space Station Health	PETERSON, G. R. p 308 N86-26900
Heat acclimation - Cardiac performance of isolated rat	Maintenance Facility	Posign concepts for bismouthers
heart p 82 A86-22663 PARSEGHIAN, Z.	[AIAA PAPER 86-2303] p 397 A86-46938	Design concepts for bioreactors in space
	PECK, C. C.	PETERSON, J. G. p 151 N86-19926
Manual control of unstable systems	Dermal substance collection device	Underlying behavioral parameters of the operation of
PARSHAD, R. p 441 N86-33008	[AD-D011848] p 38 N86-12962	tough-input devices - Risson models and touchter
	PEDASTE, IA. I.	tough-input devices - Biases, models, and feedback
Comparative study of acetazolamide and spironolactone	The effect of different regimens of running training on	PETERSON, L. R. p 98 A86-20110
on regional blood distribution on exposure to acute hypobaric hypoxia	the physical work capacity and blood plasma lipids and	Human Factors Review Plan
ARVIN, C. p 246 A86-35863	lipoproteins in untrained male and female students	[DE86-010561] p 444 N86-33023
Effect of rotopositioning on the growth and maturation	p 89 A86-22537	PETERSON, T. O.
of mandibular bone in immobilized Rhesus monkeys	PEDDER, J. B.	The effect of different regimens of running training on
	The development of two prototype facial protection	the physical work capacity and blood plasma lipids and
		lipoproteins in untrained male and female students
p 106 A86-25659	systems for high performance aircrew helmets	
ASCHE, A. p 106 A86-25659	p 430 A86-47739	p 89 A86-22537
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits  p 97 ABB.1933	PEIO, K. p 430 A86-47739	PETRENKO, Y. A. p 89 A86-22537
ASCHE, A. The effect of water ingress on buoyancy and thermal quality of survival suits Diver response to hot water loss at denths greater than	PEIO, K.  Effect of workload on the auditory evoked brainstem	PETRENKO, Y. A. Element analysis of sclerotic formations of major blood
ASCHE, A. The effect of water ingress on buoyancy and thermal quality of survival suits Diver response to hot water loss at denths greater than	PEIO, K.  Effect of workload on the auditory evoked brainstem response  p 128 A86-23705	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333  Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333  Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A.	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid	PETRENKO, Y. A.  Element analysis of scierotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation ASCOE, P. A. Performance overnight in shiftworkers operating a	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333  Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095	PEIO, K.  Effect of workload on the auditory evoked brainstem response PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4]  P 181  N86-21145	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A. Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L.	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOW, A. L.  Search for DNA host specificity systems in salmonella	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333  Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19655  ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi ASHINI, S. S.	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.	PETRENKO, Y. A.  Element analysis of scierotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  P 220 N86-23243
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333  Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi  ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15800	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROVA, E. B.  Method for the quantitative determination of the
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333  Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi p 210 N86-23247  ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890  Toxicological evaluation of pas emission from	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  P 220 N86-23243  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Toxicological evaluation of pas emission from heat-stable tetrafluoroethylene-based polymers when	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36538
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333  Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi p 210 N86-23247  ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890  Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus p 220 N86-23243  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536  PETRUKHIN, V. G.
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333  Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890  Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heat-stable tetrafluoroethylene-based polymers when heat-stable tetrafluoroethylene-based polymers when heat-stable tetrafluoroethylene-based polymers when	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774	PETRENKO, Y. A.  Element analysis of scierotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A. Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L. Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S. Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated ASTUKHOV, Y. F. Intradiumial organization of wakefulness elections	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.	PETRENKO, Y. A.  Element analysis of scierotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36538  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A. Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L. Search for DNA host specificity systems in salmonella typhi p 210 N86-23247  ASHIN, S. S. Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890  Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131  ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus p 220 N86-23243  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333  Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890  Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated  ASTUKHOV, Y. F.  Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764	PEIO, K.  Effect of workload on the auditory evoked brainstern response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months  PETRUNYA, V.  PETRUNYA, V.
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A. Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L. Search for DNA host specificity systems in salmonella typhi p 210 N86-23247  ASHIN, S. S. Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890  Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated  ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats  P 184 A86-28440  PENNINGTON, J. E.	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus p 220 N86-23243  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A. Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L. Search for DNA host specificity systems in salmonella typhi p 210 N86-23247  ASHIN, S. S. Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890  Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated  ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764  ASTUSHKOVA, L. K. Effect of different doses of ultraviolet radiation on vitamin	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats  p 184 A86-28440  PENNINGTON, J. E.  Space telerobotics - A few more hurdles	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856  PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A. Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L. Search for DNA host specificity systems in salmonella typhi p 210 N86-23247  ASHIN, S. S. Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890  Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated  ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764	PEIO, K.  Effect of workload on the auditory evoked brainstern response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats  p 184 A86-28440  PENNINGTON, J. E.  Space telerobotics - A few more hurdles  p 272 A86-37047	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536  PETRUNHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856  PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252  PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S.
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131 ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764 ASTUSHKOVA, L. K. Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats  p 184 A86-28440  PENNINGTON, J. E.  Space telerobotics - A few more hurdles p 272 A86-37047	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  P 220 N86-23243  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536  PETRUNYA, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856  PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252  PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S.
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131 ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764 ASTUSHKOVA, L. K. Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893 ATSUK, N. V.  Epidemiological supervision of poliomyelitis	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats p 184 A86-28440  PENNINGTON, J. E. Space telerobotics - A few more hurdles p 272 A86-37047  PENNINGTON, N.  Stimulus structures and mental representations in expert	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus p 220 N86-23243  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856  PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252  PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S. Navy experience p 396 A86-44780
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333  Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi p 210 N86-23247  ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890  Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131  ASTUKHOV, Y. F.  Intractiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764  ASTUSHKOVA, L. K.  Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893  ATSUK, N. V.  Epidemiological supervision of poliomyelitis	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats p 184 A86-28440  PENNINGTON, J. E. Space telerobotics - A few more hurdles p 272 A86-37047  PENNINGTON, N.  Stimulus structures and mental representations in expert comprehension of computer programs	PETRENKO, Y. A.  Element analysis of scierotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36538  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856  PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252  PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S. Navy experience p 396 A86-44780  PHILLIPS, J. B.  multiplex gas chromatography: A novel analytical
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131 ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764 ASTUSHKOVA, L. K. Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893 ATSUK, N. V.  Epidemiological supervision of poliomyelitis p 118 N86-19835 ATTERSON-BUCKENDAHL P. E.	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats p 184 A86-28440  PENNINGTON, J. E.  Space telerobotics - A few more hurdles p 272 A86-37047  PENNINGTON, N.  Stimulus structures and mental representations in expert comprehension of computer programs  [AD-A157520] p 42 N86-12969	PETRENKO, Y. A.  Element analysis of scierotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833 PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883 PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus p 220 N86-23243 PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536 PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856 PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252 PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S. Navy experience p 396 A86-44780 PHILLIPS, J. B.  multiplex gas chromatography: A novel analytical technique for future planetary studies
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A. Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L. Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S. Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131 ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764 ASTUSHKOVA, L. K. Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893 ATSUK, N. V. Epidemiological supervision of poliomyelitis p 118 N86-19835 ATTERSON-BUCKENDAHL, P. E. Osteocalcin as an indicator of bone metabolism during	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats p 184 A86-28440  PENNINGTON, J. E.  Space telerobotics - A few more hurdles p 272 A86-37047  PENNINGTON, N.  Stimulus structures and mental representations in expert comprehension of computer programs [AD-A157520] p 42 N86-12969	PETRENKO, Y. A.  Element analysis of scierotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833 PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883 PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus p 220 N86-23243 PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536 PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856 PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252 PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S. Navy experience p 396 A86-44780 PHILLIPS, J. B.  multiplex gas chromatography: A novel analytical technique for future planetary studies p 299 N86-26860
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131 ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764 ASTUSHKOVA, L. K. Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893 ATSUK, N. V.  Epidemiological supervision of poliomyelitis p 118 N86-19835 ATTERSON-BUCKENDAHL, P. E. Osteocalcin as an indicator of bone metabolism during spaceflight ATTERSON, G. T.	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats p 184 A86-28440  PENNINGTON, J. E. Space telerobotics - A few more hurdles p 272 A86-37047  PENNINGTON, N.  Stimulus structures and mental representations in expert comprehension of computer programs [AD-A157520] p 42 N86-12969  PEPPER, R. L. Research issues in teleoperator systems	PETRENKO, Y. A.  Element analysis of scierotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROV, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856  PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252  PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S.  Navy experience p 396 A86-44780  PHILLIPS, J. B.  multiplex gas chromatography: A novel analytical technique for future planetary studies  p 299 N86-26860  PHILLIPS, J. D., JR.  Effects of atropine sulfate on aircrew performance
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131 ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764 ASTUSHKOVA, L. K. Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893 ATSUK, N. V.  Epidemiological supervision of poliomyelitis p 118 N86-19835 ATTERSON-BUCKENDAHL, P. E. Osteocalcin as an indicator of bone metabolism during spaceflight ATTERSON, G. T.	PEIO, K.  Effect of workload on the auditory evoked brainstern response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats  p 184 A86-28440  PENNINGTON, J. E.  Space telerobotics - A few more hurdles p 272 A86-37047  PENNINGTON, N.  Stimulus structures and mental representations in expert comprehension of computer programs  [AD-A157520] p 42 N86-12969  PEPPER, R. L.  Research issues in teleoperator systems	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36538  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856  PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252  PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S. Navy experience p 396 A86-44780  PHILLIPS, J. B.  multiplex gas chromatography: A novel analytical technique for future planetary studies  p 299 N86-26860  PHILLIPS, J. D., JR.  Effects of atropine sulfate on aircrew performance [AD-A165083] p 290 N86-27919
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131 ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764 ASTUSHKOVA, L. K. Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893 ATSUK, N. V.  Epidemiological supervision of poliomyelitis p 118 N86-19835 ATTERSON-BUCKENDAHL, P. E. Osteocalcin as an indicator of bone metabolism during spaceflight ATTERSON, G. T.  Changes in skeletal muscle properties following hindlimb	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats p 184 A86-28440  PENNINGTON, J. E.  Space telerobotics - A few more hurdles p 272 A86-37047  PENNINGTON, N.  Stimulus structures and mental representations in expert comprehension of computer programs [AD-A157520] p 42 N86-12969  PEPPER, R. L.  Research issues in teleoperator systems p 143 A86-23735	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  p 220 N86-23243  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856  PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252  PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S. Navy experience p 396 A86-44780  PHILLIPS, J. B.  multiplex gas chromatography: A novel analytical technique for future planetary studies  p 299 N86-26860  PHILLIPS, J. D., JR.  Effects of atropine sulfate on aircrew performance [AD-A165063] p 290 N86-27919
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A.  Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L.  Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S.  Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131 ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764 ASTUSHKOVA, L. K. Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893 ATSUK, N. V.  Epidemiological supervision of poliomyelitis p 118 N86-19835 ATTERSON-BUCKENDAHL, P. E. Osteocalcin as an indicator of bone metabolism during spaceflight p 205 A86-30474 ATTERSON, G. T.  Changes in skeletal muscle properties following hindlimb suspension at 188 changes in skeletal muscle properties following hindlimb suspension at 188 changes in skeletal muscle properties following hindlimb suspension at 188 changes in skeletal muscle properties following hindlimb suspension at 188 changes in skeletal muscle properties following hindlimb suspension at 188 changes in skeletal muscle properties following hindlimb suspension at 188 changes in skeletal muscle properties following hindlimb suspension at 188 changes in skeletal muscle properties following hindlimb suspension at 188 changes in skeletal muscle properties followed at 188 c	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats p 184 A86-28440  PENNINGTON, J. E. Space telerobotics - A few more hurdles p 272 A86-37047  PENNINGTON, N.  Stimulus structures and mental representations in expert comprehension of computer programs [AD-A157520] p 42 N86-12969  PEPPER, R. L.  Research issues in teleoperator systems p 143 A86-23735  PEREVERZEVA, O. G. Effect of different doses of ultraviolet radiation on vitamin	PETRENKO, Y. A.  Element analysis of scierotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROV, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36538  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856  PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252  PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S.  Navy experience p 396 A86-44780  PHILLIPS, J. B.  multiplex gas chromatography: A novel analytical technique for future planetary studies  p 299 N86-26860  PHILLIPS, J. D., JR.  Effects of atropine sulfate on aircrew performance [AD-A165063] p 290 N86-27919  PHILLIPS, P. L.  Minimum colour differences required to recognise small
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A. Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L. Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S. Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131 ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764 ASTUSHKOVA, L. K. Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893 ATSUK, N. V. Epidemiological supervision of poliomyelitis p 118 N86-19835 ATTERSON-BUCKENDAHL, P. E. Osteocalcin as an indicator of bone metabolism during spaceflight p 205 A86-30474 ATTERSON, G. T. Changes in skeletal muscle properties following hindlimb suspension p 198 A86-30428 ATTERSON, J. C. Self-control of psychophysiologic response to motion	PEIO, K.  Effect of workload on the auditory evoked brainstern response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A155694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36538  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856  PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252  PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S.  Navy experience p 396 A86-44780  PHILLIPS, J. B.  multiplex gas chromatography: A novel analytical technique for future planetary studies  P 299 N86-26860  PHILLIPS, J. D., JR.  Effects of atropine sulfate on aircrew performance [AD-A165063] p 290 N86-27919  PHILLIPS, P. L.  Minimum colour differences required to recognise small objects on a colour CRT p 240 A86-32316
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855  ASCOE, P. A. Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095  ASHENKOV, A. L. Search for DNA host specificity systems in salmonella typhi p 210 N86-23247  ASHIN, S. S. Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890  Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131  ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764  ASTUSHKOVA, L. K. Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893  ATTERSON, S. C. Setrochall, P. E. Osteocalcin as an indicator of bone metabolism during spaceflight p 205 A86-30474  ATTERSON, J. C. Self-control of psychophysiologic response to motion stress Using biofeedback to treat sickness	PEIO, K.  Effect of workload on the auditory evoked brainstem response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A165694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats  PENNINGTON, J. E.  Space telerobotics - A few more hurdles p 272 A86-37047  PENNINGTON, N.  Stimulus structures and mental representations in expert comprehension of computer programs [AD-A157520] PEPPER, R. L.  Research issues in teleoperator systems  P 143 A86-23735  PEREVERZEVA, O. G.  Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  p 220 N86-23243  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36536  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856  PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252  PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S. Navy experience p 396 A86-44780  PHILLIPS, J. B.  multiplex gas chromatography: A novel analytical technique for future planetary studies  p 299 N86-26860  PHILLIPS, J. D., JR.  Effects of atropine sulfate on aircrew performance [AD-A165063] p 290 N86-27919  PHILLIPS, P. L.  Minimum colour differences required to recognise small objects on a colour CRT p 240 A86-32316
ASCHE, A.  The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333 Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical interpretation p 121 N86-19855 ASCOE, P. A. Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 ASHENKOV, A. L. Search for DNA host specificity systems in salmonella typhi p 210 N86-23247 ASHIN, S. S. Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated p 175 N86-21131 ASTUKHOV, Y. F. Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764 ASTUSHKOVA, L. K. Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893 ATSUK, N. V. Epidemiological supervision of poliomyelitis p 118 N86-19835 ATTERSON-BUCKENDAHL, P. E. Osteocalcin as an indicator of bone metabolism during spaceflight p 205 A86-30474 ATTERSON, G. T. Changes in skeletal muscle properties following hindlimb suspension p 198 A86-30428 ATTERSON, J. C. Self-control of psychophysiologic response to motion	PEIO, K.  Effect of workload on the auditory evoked brainstern response p 128 A86-23705  PELETIER, L. A.  On interacting populations that disperse to avoid crowding: The effect of a sedentary colony [REPT-4] p 181 N86-21145  PELLEGRINO, J. W.  Components of spatial ability [AD-A155694] p 382 N86-28616  PELZ, J.  Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033  PENAFORTE, J. C.  A note on self-replicating information yielding the chemical origin of life p 48 A86-14774  PENNER, R.  Evaluation of helmet display formats	PETRENKO, Y. A.  Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833  PETRENKO, Y. T.  Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883  PETROV, G. I.  Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus  PETROVA, E. B.  Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers p 271 A86-36538  PETRUKHIN, V. G.  Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856  PETRUNYA, V.  Diseases in CEMA countries p 211 N86-23252  PHEENY, H. T.  Inflight loss of consciousness - A first look at the U.S.  Navy experience p 396 A86-44780  PHILLIPS, J. B.  multiplex gas chromatography: A novel analytical technique for future planetary studies  P 299 N86-26860  PHILLIPS, J. D., JR.  Effects of atropine sulfate on aircrew performance [AD-A165063] p 290 N86-27919  PHILLIPS, P. L.  Minimum colour differences required to recognise small objects on a colour CRT p 240 A86-32316

PEROV, B. V.

EEG correlates in the process of forming driving skills
p 421 A86-49273

PHILPOTT, D. E.

The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679

Microgravity changes in heart structure and cyclic-AMP p 203 A86-30465 metabolism Reduction of the spermatogonial population in rat testes

flown on Space Lab-3 p 203 A86-30466 Structural correlates of aging in Drosophila - Relevance to the cell differentiation, rate-of-living and free radical p 415 A86-49999 theories of aging

Hydrogen production from salt water by Marine blue p 245 A86-34985 green algae and solar radiation PHLIPS, E. J.

Characterization and optimization of hydrogen production by a salt water blue-green alga Oscillatoria sp. Miami BG 7. II - Use of immobilization for enhancement p 156 A86-28860 of hydrogen production

Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays

p 373 A86-41787 PIASECKI, M. T.

Data collection via a quasi-experimental simulation technology. Part 1: Multiple measurement of performance excellence in complex and uncertain managerial tasks p 428 N86-32969

PICHUGIN, A. V. Metabolic distinctions of human red blood during long-term spaceflights PICHUGIN, V. IU. p 60 N86-14850

The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 PICKARD, B. G.

Red light shifts the locus and rate of gravitropic curvature in etiolate pea epicotyls PICKARD, W. F. p 196 A86-30413

Cellular effects of electromagnetic radiation

p 63 N86-14878 [AD-A1585471 PICKETT, C. K. (ventilation Altitude acclimatization and

chemoresponsiveness) during wakefulness and sleep [AD-A167738] p 423 N86-32091 Predictors of periodic breathing at altitude

[AD-A167947] p 424 N86-32957 PIFRALL F K

The interface between atmosphere and organism p 164 N86-21014

PIERCE E

Operational medical planning for Space Station [AIAA PAPER 86-2337] p 421 A86-49560 PIERRE, M.

Biological parameters in Japanese quail genetically selected for resistance or sensitivity to an acute hypoxic p 2 A86-10256 survival

PIETRZAK-FLIS, Z.

Tritium ingestion in rats p 58 N86-15895

1,25-Dihydroxyvitamin D3 receptors in space-flown vs p 204 A86-30472 grounded control rat kidneys

Changes in the carbohydrate energy metabolism in the rat brain under laser radiation p 276 A86-39719 PILLE, E. R.

Monkeys as a source of viral diseases in man

[NASA-TM-78017] p 386 N86-28625 PILLINGER, C. T.

Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments p 304 N86-26883

PINE, D.

Catching zzzs in zero-G

p 217 A86-31150 PINTER, H. Circadian variation of volume and concentration of

orthostatically shifted fluid p 215 A86-30445 Day course of blood and plasma density in relation to hematological parameters p 215 A86-30446 PINTO, J. P.

The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres

p 298 N86-26853 Paleosols and the chemical evolution of the atmosphere p 301 N86-26870 PIOTROWSKI, J.

The absorption of benzene through human skin [AD-A161157] p 127 N86-19894

Solute conductance of blood-gas barrier in hamsters p 391 A86-44195 exposed to hyperoxia PIRIE, N. W.

Fact and assumption in studies on the origins of life p 48 A86-14115

Remarkable metabolic availability of oral glucose during long-duration exercise in humans p 216 A86-30684 PIRQUIN. G.

Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan p 401 N86-30325

PIRUZIAN, L. A.

A study of the effect of ultrasound on the antigenic p 254 A86-36495 activity of human erythrocytes PISARENKO, S. N.

The effect of short term hypoxia on body temperature p 81 A86-22595 and lactic acid in blood PISKUNOVA. L. A.

Simulation of thermal polycondensation processes of rmino acids during the migration of their aqueous solutions in the earth's lithosphere p 274 A86-34489 PITTS, J. A.

The human factor: Biomedicine in the manned space program to 1980

p 158 N86-21097

PIVIROTTO, D. L. Automation and robotics for Space Station in the

[AIAA PAPER 86-2300] p 434 A86-49552 PIWINSKI, S. E.

A blitz of bends - Decompression sickness in four students after hypobaric chamber training p 378 A86-41790

PIZZARELLO, S.

Amino acids of the Murchison meteorite, II - Five carbon acyclic primary beta-, gamma-, and delta-amino alkanoic p 77 A86-19126

PLAKHOV, N. N.

Hematological criteria of the heat adaptation seamen p 90 A86-22569

PLAKHUTA-PLAKUTINA, G. I.

Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation) p 174 N86-21126

PLAMONDON, B. D.

Investigation of crew performance in a multi-vehicle supervisory control task p 440 N86-33001 PLANNEL, H.

Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays
p 373 A86-41787

PLATTNER, H.

Investigations of Paramecium cells analyzed under p 387 N86-29518 microgravity conditions PLEASANT, L. G.

Summaries of 1984-85 NASA space-gravitational

biology accomplishments [NASA-TM-88379] p 107 N86-18950

PLEBAN, R. J.

Physical fitness as a moderator of cognitive work capacity and fatigue onset under sustained combat-like operations

[AD-A160417] p 134 N86-18982

PLESANT. J.

Clinical and psychological surveillance of student pilots p 111 A86-24501 at the beginning of training PLESKO, N.

Colloidal and meteorological in vitro reactions p 165 N86-21024

PLOTNIKOVA, N. M.

Leukocytic reactions caused by emotional stress p 34 A86-15519

PLYASOVA-BAKUNINA, I. A.

Effect of active antiorthostatic conditioning on tolerance cranial redistribution of blood p 175 N86-21135 to cranial redistribution of blood

A model of the system controlling involuntary eye D 247 A86-36496 movements

POGASH, R. M.

Data collection via a quasi-experimental simulation technology. Part 1: Multiple measurement of performance excellence in complex and uncertain managerial tasks [AD-A1679491 p 428 N86-32969 POGREBITSKIY, S. M.

T and B components of immunity in the presence of p 286 N86-27892 acute mountain sickness POHLMANN, L. D.

Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432 POHORILLE, A.

Molecular microenvironments: Solvent interactions with nucleic acid bases and ions p 302 N86-26872 POIRIER, J.

p 113 A86-24512 Mechanical solid vibrations POIRIER, J. L.

Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber

p 31 A86-13572 The choice of seat back angle to improve acceleration tolerance

[CEV-70-2091 p 386 N86-29512 The use of ECG changes caused by acceleration as p 399 N86-30316 tolerance predicition factors

POITRAST, B. J.

Assessing possible damage due to radio frequency radiation [AD-A166913]

POKHODZEY, L

p 402 N86-31214

Assessment of selected physiological indicators in antenna operators at short-wave transmitting and receiving centers p 220 N86-23250 POKROVSKII, V. M.

Synchronization of heart contractions and respiration during thermoregulatory polypnea in dogs

p 245 A86-34490

Impulse activity of the brain stem neurons related to the cardiac and respiratory rhythms p 246 A86-35940 POKROVSKIY, V. V.

Artificial antigens, vaccines reviewed

p 219 N86-23239

POLIAKOV, A. A. Correlational rhythmography applied to persons of different age under functional loads p 422 A86-49920 POLIANTSEV. V. A.

A quick method for evaluating operators' work capacity p 420 A86-49268

POLICASTRO, A. J.

The Scientific Workstation Evaluation Multidisciplinary experience with a scientific workstation [ANL-84-100] p 74 N86-14896 POLITO, J.

Human performance simulation - Combining the data p 381 A86-40480

POLLOCK, G. E.

Investigation of porous polymer gas chromatographic packings for atmospheric analysis of extraterrestrial hadiae p 299 N86-26858

POLOVINKIN, A. A. Direct spectrophotometric method of assaying ammonia concentration in gas environment of seeding chambers p 280 N86-27900

POLTAVSKII, A. F.

Changes in the hemostatis system of the animal organism due to granulocytopolesis inhibition under reduced barometric pressure p 80 A86-21454 POMINOV, A.

Many medical uses foreseen for artificial skin

p 220 N86-23245

PONARINA, Y.

concerning sparing Zdravookhraneniye-85 at Moscow p 119 N86-19840 PONIKOWSKA, I.

Application of meteorological and solar data in health resort climatherapy p 170 N86-21067

PONNAMPERUMA, C. Trace elements in chemical evolution, I. II - Synthesis

of amino acids under simulated primitive earth conditions in the presence of trace elements p 189 A86-28722 Synthesis and analysis in chemical evolution p 297 A86-38145

Synthesis and analysis in studies of chemical p 300 N86-26864

PONOMAREV, V. A.

Neuronal reactions and evoked potentials in the subcortical brain structures in the process of visual recognition. I - Formulation of the problem and basic methods for its solution

p 9 A86-10696 Neurons as detectors of errors in the subcortical p 111 A86-24307 structures of the human brain Neuronal responses and the evoked potentials in

subcortical structures of the human brain during visual recognition. Il - The effect of stimuli relevance on the p 216 A86-30894 evoked neuronal responses Neuronal response and evoked potentials in subcortical

formations in visual perception. Part 1: formulation and principles of solution p 119 N86-19844

POOL S.

Development of countermeasures for use in space

[IAF PAPER 85-327] p 36 A86-15832 POON, C.-S.

Control of exercise hyperpnea during hypercapnia in

р 7 POPECHITELEV, Y. P. TV monitoring control system in electrophysiological

p 14 N86-10765

studies POPKOV. V. L.

Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518

POPOV. A. A. Hemodynamics during gravitational overloads (mathematical modeling) p 12 N86-10739

POPOV. A. G. Restraint system for waking Macaca mulatta monkeys during postural tests

POP	OV.	A.	V.

An anaerobic shift in energy metabolism in the mouse brain during recovery from acute radiation sickness p 276 A86-39720

Hygenic aspects of regular diet of flight personnel

p 60 N86-14849 Some human reactions during 7-day antiorthostatic p 286 N86-27885 hypokinesia

Investigation of reactogenic and antigenic activity of chromatographically purified, concentrated and inactivated dry vaccine against tick borne encephalitis

p 119 N86-19837

POPOVA, N. K. Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice

p.5 N86-10766 PORTNEY, P. R.

Ambient ozone and human health: An epidemiological [PB85-2451811 p 93 N86-16896 Executive summary: Ambient ozone and human health:

An epidemiological analysis [PB86-114089] p 226 N86-24212 Ambient ozone and human health: An epidemological analysis, volume 3

[PB86-114105] p 226 N86-24213

Problems in medical biorhythmology

p 206 A86-31371

POSPELOVA, V. V. Antibiotic properties of bifidobacteria

p 219 N86-23236

POST. D. B. Elementary design guidelines for CO2 scrubbing with LiOH, technical manual

FAD-A1688501 p 444 N86-33022

POTAPOV. P. P. Collagen, lipid and glycogen content of rat skeletal

muscles in recovery period after 15- and 30-day hypokinesia p 279 N86-27886 POTAPOV, Y. V. Cytogenetic changes in cells of lettuce seedlings with

exposure to accelerated carbon ion beam

p 84 N86-16886 POTAPOVA, V. G.

Clinico-epidemiological characteristics of Q fever in Carpathian foothills p 118 N86-19834 POTEMKIN, L. A.

Evaluation of radiation-induced damage in the erythrocyte membranes of rats and dogs according to changes in the erythrocyte sedimentation behavior

p 106 A86-24424 POTKIN, V. E.

The effect of high temperature on the heat exchange and the nutritional status of pilots p 397 A86-45325

Relative contributions of SWAT dimensions to overall subjective workload ratings POTULOVA, L. A.

Prestimulus EEG and evoked potentials in man during the recognition of a meaningful light stimulus

p 9 A86-10697 POULET, S. A.

Demonstration and role of chemoreception in the marine zoopiankton

[DRIC-T-7456] p 209 N86-23217

Space Station nitrogen supply system based on stored chemicals

SAE PAPER 851349] p 139 A86-23535 POWERS, E. L.

Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878 POYOT, G.

Continuous ECG monitoring of Mirage 2000 pilots (comparison with Mirage 3 and F1 pilots)

p 399 N86-30315 Physical training of Mirage 2000 pilots

p 401 N86-30324

POZHARISSKAIA, T. D.

Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423 POZHAROV, V. P.

External respiration, gas exchange, and blood oxygen parameters in acute methemoglobinemia

[DRIC-T-7663] p 415 N86-32082 POZNYAK, N. I.

Fluorescent-polarization properties of chromophores of water-soluble proteins of normal and cataractal human p 118 N86-19832 PRASAD, T. K.

Effects of simulated gravity nullification on shoot-inversion release of apical dominance in Pharbitis p 196 A86-30410 PRAVETSKIY, N. V.

Cerebral circulation and oxygenation in healthy man during graded exercise in antiorthostatic position

p 173 N86-21120

Processing and packaging - Preparation techniques enhance meals on the Shuttle p 187 A86-29497

Intermediate collimation: Description - Goals - First p 44 A86-13570 PRELOOKER, J. A.

Quantification of pilot fatigue - A new approach to a crucial problem p 376 A86-40231

PREOBRAZHENSKIY, Y. Y.

Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904 PRESTON, T. L.

Studies of participants in nuclear tests

p 38 N86-12964 PRICE, D. F. Phase change water processing for Space Station

[SAE PAPER 851346] D 139 A86-23532 Water quality monitor for recovered spacecraft water [SAE PAPER 851347] p 139 A86-23533

Aeromedical lessons learned with night vision devices p 283 N86-26810

PRICE, G. R.

Practical application of basic research on impulse noise

[AD-A1604321 PRICE J. M.

p 115 N86-18964

Expedient methods of respiratory protection. Submicron particle tests and summary of quality factors [TI85-018278] p 94 N86-17983 PRICHARD, H. M.

Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431

PRILUTSKIY, B. I.

Human body biomechanics and movements after 120-day antiorthostatic hypokinesia p 60 N86-14851 PRIMAKOV, V. I.

Dynamics of the ultraslow bioelectric brain activity during the performance of certain parts of operational activity p 255 A86-36534

PRIMENTAL, N. A.

Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A162026]

p 242 N86-24219 PRINCE, R. P.

Plant growth chamber M design p 149 N86-19916 PRISK, G. K.

Pulmonary function in microgravity - Spacelab 4 and [IAF PAPER 85-322] p 36 A86-15828

PRIVITZER, E.

Model evalution of spinal injury likelihood for various

ejection system paramater variations p 91 N86-16641 PROBST, W.

Function-dependent plasticity in the nervous system

PROFFITT, D. R.

Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of intuitive theories of motion - Curvilinear motion in the absence of external forces p 426 A86-49521

PROKOSHINA, N. A.

Fluorescent-polarization properties of chromophores of water-soluble proteins of normal and cataractal human p 118 N86-19832

PROSKUROVA, G. I.

Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884

PROTSENKO, N. A.

Proton transfer in bacteriorhodopsin

p 413 A86-49345 Proton ejection from bacteriorhodopsin

p 413 A86-49346 Proton injection into bacteriorhodopsin

p 414 A86-49347 The retinal cycle in bacteriorhodopsin

PROVENCHER, J. D. M.

How much inherent buoyancy is acceptable in helicopter passenger immersion suit p 96 A86-19310 PROVINES, W. F.

Soft contact lens wear during +G(Z) acceleration [AD-A165013] p 289 N86-27915

PRUM, I. A. Modern concepts regarding some nontraditional

neuroendocrine mechanisms of stress p 49 A86-16800 PRZYBYLSKI, A.

Protobiological informatoin, bidirectional recognition and reverse translation p 303 N86-26878

Lactate, pyruvate, and lactate-to-pyruvate ratio during exercise and recovery p 8 A86-10110 PUDOV, A. I.

Device for combined study of visual tracking and verbal ctivity p 175 N86-21133 activity PUKACH, L. P.

Possible effect of hyperlipemia on the development and course of atherosclerosis in flight personnel

p 90 A86-22568

Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces p 294 N86-26816

PURCELL, D.

Operator alertness/workload usina assessment stochastic model-based analysis of myoelectric signals [AD-A168568] p 429 N86-32974 PURER, A.

Design guidelines for carbon dioxide scrubbers, revision

[AD-A160181] n 147 N86-18989 PUSHKAREVA, N. B.

Cyclic adenosine-3',5'-monophosphate and cyclic guanosine-3',5'-monophosphate in the blood plasma of mice injected with chemicals of different radioprotective efficiency p 276 A86-39718

PUSTYNNIKOVA, A. M.

Comparative analysis of hypo - and hyper-gravity effects on prenatal development of mammals

p 191 A86-30377

PUTIL OV. A. A.

Disturbance of the multiperiodic synchronization of the heart-beat and respiratory rhythms after transmeridian flights through three time zones

PUYEAR. R. L. Identification and quantification of the water-soluble components of JP-4 and a determination of their biological

effects upon selected freshwater organisms [AD-A160271] p 108 N86-18957

PYTYEVA, Y. Y.

Obtaining hybridomas that synthesize monoclonal antibodies to polysaccharide of group a streptococcus p 219 N86-23240

Q

QUINN, P. C.

Suprathreshold contrast perception as a function of spatial frequency p 133 A86-26295 QUINN. T. J.

Cockpit design and evaluation data bases p 236 A86-29857

QUINNELL, R. A. Magnetic separation device

[AD-D012163] p 249 N86-25975

RAAIJMAKERS, J. G. W.

Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336

RABE, R. The biological efficiency of dust emmission: Determination based on the withering degree of exposed lichene p 169 N86-21047

RADBILL, J. R.

Measurement and prediction of flow through a replica segment of a mildly atherosclerotic coronary artery of p 374 A86-43440

RADLINSKAIA, V. N.

Postradiation disorders of peripheral-nerve regeneration and the role of free-radical oxidation products in the appearance of these disorders RADMER, R. p 105 A86-24422

An analysis of the productivity of a CELSS continuous algal culture system p 151 N86-19927 RADTKE, M.

USSR Space Life Sciences Digest, Issue 2 [NASA-CR-3922(02)] p 28 USSR Space Life Sciences Digest, issue 3 p 28 N86-12949 [NASA-CR-3922(03)] p 106 N86-18949 USSR Space Life Sciences Digest, issue 4 [NASA-CR-3922(04)] p 209 N86-23218 USSR Space Life Sciences Digest, issue 5 [NASA-CR-3922(05)] p 248 N86-25109

USSR Space Life Sciences Digest, Issue 6 [NASA-CR-3922(07)] p 277 N86-27864

USSR Space Life Sciences Digest, issue 7 [NASA-CR-3922(08)] p 416 N86-32083 RADWAN, I.

p 133 A86-26294

p 193 A86-30390

The effects of real and simulated microgravity on

REPIN, A. A.

vestibulo-oculomotor interaction

REEVE. J. N.

Force/torque display for space teleoperation control Fritium ingestion in rats Sequence divergence of an archaebacterial gene cloned p 440 N86-33002 RADZEVICH A F experiments and evaluation from a mesophilic and a thermophilic methanogen Effect of positive pressure breathing on hemodynamics RASHKOVER, D. K. p 104 A86-23999 in patients with borderline hypertension submitted to water Planaria regeneration in zero gravity Development and use of anucleated bacterial cells to immersion p 61 N86-14855 p 245 A86-34984 issay the in vivo activity of pollutants RASOULI, F. p 160 N86-22089 [AD-A162727] Is the cerebellum involved in motor and perceptual Catalytic distillation water recovery subsystem RÈEVES, G. I. timina: A case study [NASA-CR-177382] A proposal for a longitudinal study to assess the hazards p 99 N86-16902 AD-A1574521 p 16 N86-11842 RASSHCHEPKINA. M. N. of radiation in space flight BAFFENETTI R C [AD-A160801] Investigation of reactogenic and antigenic activity of p 117 N86-18975 The Scientific Workstation Evaluation Project chromatographically purified, concentrated and inactivated REEVES, J. T. Multidisciplinary experience with a scientific workstation Headache at high attitude is not related to internal carotid dry vaccine against tick borne encephalitis FANL-84-1001 n 74 NRR-14896 p 119 N86-19837 arterial blood velocity p 8 A86-10108 RAFFESTIN. B. RATAJCZAK M Altitude acclimatization (ventilation Time course of muscular blood metabolites during Pilot underwater high pressure emergency breathing chemoresponsiveness) during wakefulness and sleep forearm rhythmic exercise in hypoxia [AD-A167738] p 97 A86-19343 p 423 N86-32091 p 252 A86-36222 Single stage rapid response anti-G valve Predictors of periodic breathing at altitude RAGGIO, L. p 432 A86-47762 [AD-A167947] p 424 N86-32957 Factors influencing carboxyhemoglobin stability RATINO, D. REGAN. D. [AD-A165032] p 289 N86-27918 The effect of +Gz acceleration on cardiac volumes Visual sensitivities and discriminations and their roles RAGHUNATHAN G determined by two-dimensional echocardiography in aviation A comparative study of prebiotic and present day p 58 A86-18547 [AD-A158962] p 69 N86-15907 translational models p 303 N86-26877 RATNAPARKHI, J. REGER, J. RAHIMI, M. Demographic and anthropometric assessment of US Human operator control of a bilateral teleoperator in Evaluation of 16 measures of mental workload using a Army anthropometric data base part-simulation of zero gravity p 143 A86-23736 simulated flight task emphasizing mediational activity (AD-A164637) p 295 N86-26838 REGIAN, J. W. p 179 A86-28864 RATZLAFF, C. Ř. Components of spatial ability RAHLMANN, D. F. Virtual space and 2-dimensional effects in perspective [AD-A165694] p 382 N86-28616 Skeletal mass change as a function of gravitational p 441 N86-33005 REGISTER, B. M. loading p 192 A86-30380 RAUP D M Opening up the astronaut selection process RAHMANN, H. Biological extinction in earth history p 18 A86-10493 Function-dependent plasticity in the nervous system p 207 A86-32057 REHAK. P. The fossil record of evolution: Analysis of extinction Proposal for a new tomographic device providing p 308 N86-26901 information on the chemical properties of a body section Medical evaluation of cosmonauts - 'Acceleration' RAVUSSIN. E. p 425 N86-32964 p 11 A86-12430 [DE86-010547] Effect of elevated FFA on carbohydrate and lipid RAIZENNE, M. REHMANN, W. oxidation during prolonged exercise in humans Assessment of individual human exposures to ozone Calculations on technical requirements for protection p 215 A86-30679 in a health study devices against a nuclear light flash RAWAL, S. B. (PB85-2459751 p 284 N86-26819 p 94 N86-17984 Comparative study of acetazolamide and spironolactone RÄKHIMOVA, N. G. REID. F. M. H. on regional blood distribution on exposure to acute Antibiotic properties of bifidobacteria Microplankton species assemblages at the Scripps Pier hypobaric hypoxia p 246 A86-35863 p 219 N86-23236 RAY R from March to November 1983 during the 1982-1984 El RAKITIN, L. IU. p 207 A86-31833 Membrane-based water- and energy-recovery systems Nino event Simulation of thermal polycondensation processes of for the manned space station REID. L. D. amino acids during the migration of their aqueous solutions A computer model of driver response
[UTIAS-293] [SAE PAPER 851345] p 139 A86-23531 in the earth's lithosphere p 274 A86-34489 RAYFIELD. J. F. p 72 N86-15911 RAKOV, G. K. Development of a zero-prebreathe spacesuit REILLY, J. P. Estimate of emotional stress during working activity p 96 A86-19304 Human reactions to transient electric currents based on systems analysis of skin-galvanic reaction RAYGORODSKAYA, T. G. [PB86-117280] p 222 N86-23277 p 220 N86-23259 Heat transfer mechanism in human extremities REIN. R. RAMACHANDRAN, N. p 14 N86-10759 A comparative study of prebiotic and present day Medical evaluation of cosmonauts - Psychological p 303 N86-26877 translational models p 19 A86-12431 Time course of muscular blood metabolites during REINECKE, D. RAMBAUT, P. C. forearm rhythmic exercise in hypoxia An attempt to localize and identify the gravity sensing nechanism of plants p 197 A86-30417 The skeleton in space p 10 A86-11833 p 252 A86-36222 mechanism of plants RAMECKERS, F. H. J. I. RAYTSIN, L. M. REINSMOEN, N. L. The role of the flight psychologist in the RNLAF in A/C Human body biomechanics and movements after HLA-D: The T cell perspective accident investigation and prevention 120-day antiorthostatic hypokinesia p 60 N86-14851 p 84 N86-17976 p 233 A86-29926 [AD-A160019] RAZGULÝAYEVA, A. V. RAMIREZ, G. Clonal analysis of HLA-DR and -dQ associated Investigation of reactogenic and antigenic activity of Aldosterone response to angiotensin II during determinants: Their contribution to dw specificities chromatographically purified, concentrated and inactivated p 84 N86-17977 hypoxemia p 418 A86-47870 [AD-A160059] dry vaccine against tick borne encephalitis RANDOLPH, D. I. p 119 N86-19837 REISING, J. M. Foveal flashes and human performance REBERT, C. S. Automation in the cockpit - Who's in charge? p 284 N86-26822 [SAE PAPER 841534] Neurophysiological bases of event-related potentials p 146 A86-26005 RANKIN, L. L. AD-A158997] p 71 N86-14890 Target designation by speech, joystick, and touch control Cage-size and gender effects on fatigue in rats REDDING, G. M. - Format design implications p 184 A86-28439 p 198 A86-30430 Perceptual-motor coordination and adaptation during Cockpit automation - Design and implementation RANNELS, A. M. locomotion - Determinants of prism adaptation in hall issues acclimatization (ventilation exposure p 131 A86-24324 [SAE PAPER 851921] p 270 A86-35431 chemoresponsiveness) during wakefulness and slee REDDY, B. R. S. RÈISLER, H. [AD-A1677381 p 423 N86-32091 Vectorcardiographic studies during Indo-Soviet joint Laser kinetic spectroscopy of unimolecular and Predictors of periodic breathing at altitude space project p 251 A86-35288 bimolecular processes in the gas phase [AD-A167947] Evaluation of precordial mapping before and after p 424 N86-32957 [AD-A166998] p 394 N86-31209 submaximal exercise amongst normal and asymptomatic subjects with non specific ST-T abnormalities RAO. P. L. N. REITER, W.-D. Positively supercoiled DNA in a virus-like particle of an archaebacterium p 372 A86-40879 Orthostatic tolerance of normal Indians and those with suspected abnormal cardiovascular reflex status p 251 A86-35290 REDER, L. M. p 114 A86-25661 REIVICH, M. Beyond associations: Strategic components in memory Systolic time intervals in pilots and non-pilots during 70 Determination of the lumped constant and the kinetic retrieval deg head-up tilt p 250 A86-33757 constants for deoxyglucose and fluorodeoxyglucose in [AD-A160783] p 134 N86-18985 RAPER, C. D., JR. Simulation model for plant growth in controlled invironment systems p 149 N86-19914 Initial skill learning: An analysis of how elaborations [DE86-000317] p 118 N86-18978 facilitate the three components environment systems RENCIS. M. p 292 N86-27922 Nitrogen uptake and utilization by intact plants Head-spine structure modeling: Enhancements to REDMAN, P. J. p 153 N86-19941 secondary loading path model and validation of head-cervical spine model The effect of leakage on the insulation provided by RAPER. D. C., JR. immersion-protection clothing p 44 A86-14320 Simulation model for plant growth in controlled [AD-A161425] p 172 N86-21112 REEPS. S. M. environment systems RENTSCHLER, I. The changing face of constant wear anti-exposure [SAE PAPER 851390] p 104 A86-23568 protection p 431 A86-47749 Sensitivity to phase distortions in central and peripheral PAPHEL C.

REETZ, F., III

lighting

Visual and spectroradiometric performance criteria for

p 294 N86-26807

Night Vision Goggles (NVG) compatible aircraft interior

RAPPAPORT, B.

p 58 N86-15895

[DRIC-T-7503]

Variations in state of vigilance during continuous

p 95 N86-16900

operations at a command post

p 35 A86-15822

Space motion sickness preflight adaptation training

Hemodynamic responses to upright tilt at sea level and

Preliminary studies with prototype trainers [IAF PAPER 85-311] p 3

PERSONAL AUT	HOR INDEX	<b>X</b>	
REPPERGER, D. W.			
The effect of breathing portions	athing elevated	CO2 gas	mixtures on
tracking performand tolerance at 1Gz	æ, blood press	ure, and	subjective
[AD-A165974]		p 401	N86-31210
Active controllers	and the time du		learn a task N86-32994
RESCHKE, M. F.		-	
Space motion s Preliminary studies	ickness prefligt	ht adapta	ation training
(IAF PAPER 85-311	wiiii prototype tr ]		A86-15822
RESHETIUK, A. L.	-	•	
Thermoregulation	in man under th		
Correlational rhyt	hmography an		A86-22541
different age under	functional loads	p 422	A86-49920
RESSLER, W. H.		•	
Attention within at [AD-A162550]	aditory word per		N86-22111
REVENKO, V. N.		p 102	1100-22111
Information displa REVESMAN, M. E.	y complexes	p 241	A86-33324
Assessment of SV	VAT accuracy	p 266	A86-33785
REYNOLDS, D. B. Estimating the			
measurements of th	small airways e upstream resis	s resist stance of	ance from
mixtures			A86-28448
REYNOLDS, D. G.		•	
The role of end hemorrhagic and e	orphins in the	pathopi	nysiology of
primate	ndotoxic siloc	k in the	subnuman
[AD-A162483]		р 177	N86-22100
REYNOLDS, O. E.	1 <b>/ 5</b> 4		
International Un Commission on Grav	ion of Phys	Hological	Sciences,
7th, Niagara Fal	is, NY, Octo	ber 13	-18, 1985,
Proceedings		p 191	A86-30376
REYSA, R. P.			
Development stat control systems	us or regenerat	ole solid	amine CO2
[SAE PAPER 85134		p 138	A86-23527
Thermoelectric i	ntegration mer	mbrane	evaporation
subsystem water rec	overy - Technol	logy upda	
[SAE PAPER 85134 REYZIS, A. R.	0)	p 139	A86-23534
Detection of HBs	Ag in families o	of childre	n with viral
hepatitis B			N86-23232
RHODY, H. E.	hasad an		44
Speech analysis system	Dased on a m	lodel of	the auditory
[AD-A167426]		p 427	N86-32098
RIAZI, A.			02000

RICCIO, G. F.

[AD-A162727]

RICH. A.

RICHARD, D.

RICHARDSON, B. C.

on performance

[AD-A162109]

RICHARDSON, G.

[REPT-515]

[AD-A163144]

functions data

RICHTER, K. D.

RICHAUD, C.

simulator design [SAE PAPER 851946]

Z optically active molecules

assay the in vivo activity of pollutants

o environmental temperatures

Antiemetic drugs and pilot performance

Can plants grow in quasi-vacuum?

transpiration and mineral uptakes

Naphthalene lung toxicity

A waterproof vent valve for immersion suits

```
Cockpit information requirements analysis - A mis
                                                         85
                                                                   orientation
                                                                                                         p 236 A86-29
                                                                 RINALDUCCI, E. J.
                                                         mc
                                                                      The effects of aerial perspective on altitude estima
                                                         as
                                                                                                         p 130 A86-2
                                                         48
                                                                      Altitude estimation of pilot and non-pilot observers
                                                                   real-world scenes
                                                         of
                                                                                                         p 230 A86-29
                                                                 RIVERS, R.
                                                         an
                                                                     Intelligent crew workstations
                                                                                                         p 406 A86-4
                                                                 RIVIERE, D.
                                                         00
                                                                      Effect of physical training in humans on the response
                                                                   of isolated fat cells to epinephrine
                                                                                                        D 418 A86-47
                                                         98.
                                                                 RIVOLIER. J.
                                                         1g,
35,
                                                                      Psychological selection of personnel for employme
                                                         76
                                                                   [DRIC-T-74491
                                                                                                         p 235 N86-23
                                                                 ROBERTS, B. B.
                                                         2
                                                                   Timebased analysis of significant coording operations (TASCO) - A cockpit workload analysis
                                                         27
                                                         on
                                                                   technique
                                                                                                        p 268 A86-33
                                                                 ROBERTS, D. F.
                                                         34
                                                                     Intrinsic alteration of the reactive properties of arte
                                                                   during hypothermia
[AD-A166523]
                                                                                                         p 402 N86-31
                                                         32
                                                                 ROBERTS, M. F.
                                                                     Indirect observation by C-13 NMR spectroscopy
                                                         ry
                                                                   novel CO2 fixation pathway in methanogens
                                                                 ROBERTS, P. A.
                                                                      Drugs of abuse in aviation fatalities. 1: Marijuana
    Absorption of millimeter waves by human beings and
                                                                   [AD-A161911]
                                                                                                        p 223 N86-24
  its biological implications
                                       p 111 A86-24442
RIBAK. J
                                                                 ROBERTS, T. H.
                                                                     Environmental impact research program. Status
    Central serous retinopathy (choroidopathy) in pilots
                                                                   source of habitat models and literature reviews, Decem
                                       p 254 A86-36317
RICARD, G. L.
                                                                   1984
    Simulator sickness - Incidence of simulator aftereffects
                                                                   [AD-A156899]
                                                                                                         p 28 N86-12
  in Navy flight trainers
```

ROBERTSON, D. L.

components

[AD-A1619011

ROBERTSON, G. L.

ROBERTSON, K. L.

ROBERTSON, M. M.

ROBINETTE, C. D.

ROBINSON, C. P.

ROBINSON, D. E.

[PB85-222750]

[PB86-145471]

[AMTE(M)-84520]

detectors

ROBINSON, G.

ROBINSON, P.

in a normal subject

p 85 A86-19346

p 265 A86-36947

p 160 N86-22089

p 189 A86-28724

p 304 N86-26881

p 206 A86-30685

p 232 A86-29923

p 224 N86-24200

p 99 N86-17988

D 152 N86-19931

p 152 N86-19932

p 257 N86-25983

p 293 N86-26318

Visual cue dominance hierarchies - Implications for

Development and use of anucleated bacterial cells to

Limits on asymmetric orthopositronium formation in high

Energy balance in exercise-trained rats acclimated at

Comparison of the effects of atropine sulfate and ethanol

Wheat response to CO2 enrichment: CO2 exchanges

Comparative biochemistry and metabolism. Part 2:

Cockpit automation requirements derived from mission

Base pairing and base mis-pairing in nucleic acids

RIDLEY, F.J.

RIGNEY, E. D., JR.

[DE85-013986]

RILEY, D. A.

disuse

RILEY D D

Comparative effect of lunar fines and terrestririal ash

Pulmonary gas exchange in humans during exercise at

p 30 N86-14097

p 281 A86-39095

p 84 N86-17974

ROLFE, J. L.

[AD-A162471]

The evaluation of copper compounds as potential fuel

on the growth of a blue-green alga and germinating radish

GNEY, E. D., JR.	[AD-A163555] p 59 A86-18836
Improvement in wear performance of surgical Ti-6AI-4V alloy by ion implantation of nitrogen or carbon	Effect of spironolactone on acute mountain sickness
[DE85-013986] p 18 N86-11849	p 377 A86-41781
LEY, D. A.	The effect of spironolactone on the cardiocirculatory
Changes in muscle protein composition induced by	responses to upright tilt at sea level and at simulated high
disuse atrophy - Analysis by two-dimensional	altitude
electrophoresis p 200 A86-30440	[AD-A157734] p 39 N86-13887
Morphological and biochemical changes in soleus and	Altitude acclimatization attentuates plasma ammonia during submaximal exercise
extensor digitorum longus muscles of rats orbited in	CAM ALABARA
Spacelab 3 p 203 A86-30464 Models of disuse - A comparison of hindlimb suspension	[AD-A168630] p 425 N86-32962 Effect of dexamethasone on symptoms of acute
and immobilization p 391 A86-44196	mountain sickness at Pikes Peak, Colorado (4300m)
LEY, D. D.	[AD-A168662] p 425 N86-32963
Cockpit information requirements analysis - A mission	ROCKWAY, M. R.
p 236 A86-29856	Relationships among aircrew performance measures for
NALDUCCI, E. J.	evaluating flight simulator training effectiveness
The effects of aerial perspective on altitude estimation	p 381 A86-40479
p 130 A86-23730	ROCKWELL, T. H.
Altitude estimation of pilot and non-pilot observers using	A review of critical in-flight events research methodology p 228 A86-29886
eal-world scenes p 230 A86-29905 /ERS. R.	methodology p 228 A86-29886 RODALLEC, Y.
	Ophthalmological problems linked to helicopter flight
Intelligent crew workstations p 406 A86-44532  /IERE. D.	p 112 A86-24504
Effect of physical training in humans on the response	ROE, F. D.
of isolated fat cells to epinephrine p 418 A86-47868	Reconfigurable work station for a video display unit and
OLIER, J.	keyboard
Psychological selection of personnel for employment in	[NASA-CASE-MFS-26009-1SB] p 188 N86-22114
ne Antartic	ROECKERT, H.
DRIC-T-7449] p 235 N86-23278	An attempt to counteract nitrogen narcosis by naloxone administration p 123 N86-19865
BERTS, B. B.	administration p 123 N86-19865 ROENNESTAD, I.
Timebased analysis of significant coordinated	
perations (TASCO) - A cockpit workload analysis echnique	Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions
ecnnique p 268 A86-33810 BERTS, D. E.	p 122 N86-19861
Intrinsic alteration of the reactive properties of arteries	ROER, R. D.
luring hypothermia	Correlated light and electron microscopy of the
AD-A166523] p 402 N86-31213	vasculature of cortical bone in rat femora and tibiae
BERTS, M. F.	p 193 A86-30395
Indirect observation by C-13 NMR spectroscopy of a	ROFFE, D. J.
ovel CO2 fixation pathway in methanogens	Analysis techniques for continuous twenty four hour
p 103 A86-23225	ambulatory blood pressure patterns p 170 N86-21103
BERTS, P. A.	ROGERS, A. S.  Performance overnight in shiftworkers operating a
Drugs of abuse in aviation fatalities. 1: Marijuana AD-A161911] p.223 N86-24196	day-night schedule p 179 A86-29095
AD-A161911] p 223 N86-24196 BERTS, T. H.	ROGERS, S. P.
Environmental impact research program. Status and	Selecting color codes for a computer-generated
ource of habitat models and literature reviews, December	topographic map based on perception experiments and
984	functional requirements p 237 A86-29866
AD-A156899] p 28 N86-12950	Luminance contrast requirements for legibility of symbols
BERTSON, D. L	on computer-generated map displays in aircraft cockpits
Cloning and analysis of genes for anthrax toxin	p 237 A86-29869
omponents	Effects of adaptation and display luminance on CRT
AD-A161901] p 212 N86-24186	symbol recognition time p 240 A86-32315 ROGERS, W. H.
BERTSON, G. L.	
Hypoxia-induced vasopressin release and coagulopathy a normal subject p 60 A86-18844	The effects of color-coding in geosit displays. 1: Color as a redundant code
n a normal subject p 60 A86-18844 BERTSON, K. L.	[AD-A161107] p 181 N86-22108
Aldosterone, cortisol, and electrolyte responses to	The effect of cold training and the wearing of gloves
ypobaric hypoxia in moderate-altitude natives	on manual performance in the cold: A comparison of pure
p 32 A86-14316	ability and operational tasks
BERTSON, M. M.	[AD-A163893] p 273 N86-25124
Physiological reflections of mental workload	The effects of color-coding in GEOSIT (geographical
p 41 A86-14321	situational) displays. 2: Redundant versus non-redundant
Personality differences as a moderator of mental	color-coding [AD-A166263] p 405 N86-30334
orkload behavior - Mental workload performance and	[AD-A166263] p 405 N86-30334 ROGERS, W. R.
train reactions as a function of cognitive complexity	Effects of 60 Hz electric fields on operant and social
p 130 A86-23732 BINETTE, C. D.	stress behaviors of nonhuman primates
Studies of participants in nuclear tests	[DE85-011992] p 30 N86-13885
p 38 N86-12964	Effects of 60 Hz electric fields on operant and social
BINSON, C. P.	stress behaviors of nonhuman primates
There's a voice in the sky - But can a picture tell you	[DE86-002587] p 209 N86-23221
ore? p 266 A86-33781	Effects of 60 Hz electric fields on operant and social
BINSON, D. E.	stress behaviors of nonhuman primates
Alerted monitors: Human operators aided by automated	[DE86-003748] p 310 N86-27923 Effects of 60 Hz electric fields on operant and social
etectors	stress behavior of nonhuman primates
PB85-222750] p 47 N86-13906	[DE86-005067] p 390 N86-29533
BINSON, G. Application of portable microprocessor based outlands	ROKICKI, S. M.
Application of portable microprocessor-based system for ectrophysiological field testing of neurotoxicity	Assessment of SWAT accuracy p 266 A86-33785
PB86-145471] p 379 N86-28615	ROLFE, J.
BINSON, P.	Training aircraft accident investigators using simulations n.233 A86,2022
The audication of commercial to the control of	simulations p 233 A86-29928

ROCK, J. C.

ROCK, P. B.

p 177 N86-22099

Development of an ultrafast-curing wound dressing

p 403 A86-45955

Enhanced detection in the aperture of focal attention

during simple discrimination tasks

Knowing what we get from training devices - Substituting	The prediction of biological activity using molecular	CELSS science needs p 151 N86-19925
a little arithmetic for a measure of emotion	connectivity indices	RUMYANTSEV, V. V.
p 232 A86-29921	[AD-A166986] p 394 N86-31208	Human central hemodynamics during lower limb
ROLL, J. P.	ROUWEN, A. J. P.	
Inhibitory effects of combined agonist and antagonist	Dynamic behaviour of spherical and aspherical contact	RUSANOVA, N. R.
muscle vibration on H-reflex in man p 395 A86-44090	lenses exposed to +Gz-acceleration forces	
ROLNICK, A.		Changes in immunoreactivity during adaptation to
Transdermal scopolamine - Human performance and	p 294 N86-26816	intervals of hypoxic hypoxia p 80 A86-21451
	ROUX, S. J.	RUSIN, V. IA.
side effects p 163 A86-29094	Immunocytochemical localization of calmodulin in pea	Manganese metabolism in healthy humans during
ROLSTEN, R. F.	root caps and plumules and its relevance to hypothesis	
Dynamics of head protection (impact protective		different times of the year p 255 A86-36533
comparison of the SPH-4 flight helmet to a commercial	on gravitropism p 197 A86-30419	RUSSELL, J.
	ROWE, J. E.	Determination of the lumped constant and the kinetic
motorcycle helmet)	USSR Space Life Sciences Digest, Issue 2	constants for deoxyglucose and fluorodeoxyglucose in
[AD-A161164] p 154 N86-19945	[NASA-CR-3922(02)] p 28 N86-12949	man
ROMANOVA, N. I.	USSR Space Life Sciences Digest, issue 3	
The effect of 24-hr sleep deprivation on the metabolism		[DE86-000317] p 118 N86-18978
	[NASA-CR-3922(03)] p 106 N86-18949	RUSSELL, J. E.
of biogenic amines p 9 A86-10700	USSR Space Life Sciences Digest, issue 4	Bone maturation in rats flown on the Spacelab-3
Effects of 24 h sleep deprivation on biogenic amine	[NASA-CR-3922(04)] p 209 N86-23218	mission p 205 A86-30479
metabolism p 120 N86-19846	USSR Space Life Sciences Digest, issue 5	RUSSELL, L. B.
ROMET, T. T.		
The energy cost of combat engineer tasks	[NASA-CR-3922(05)] p 248 N86-25109	Information from specific-locus mutants on the nature
	USSR Space Life Sciences Digest, Issue 6	of induced and spontaneous mutations in the mouse
[AD-A161861] p 223 N86-24195	[NASA-CR-3922(07)] p 277 N86-27864	[DE85-014313] p 7 N86-11836
RORABAUGH, P. A.	USSR Space Life Sciences Digest, issue 7	RUSSELL, R. D.
Evidences for changes in sensitivity to auxin and in	[NASA-CR-3922(08)] p 416 N86-32083	Topical hazard evaluation program of Candidate Insect
cell-wall properties during gravitropic bending of dicot		Topical hazard evaluation program of Candidate Insect
	ROWELL, L. F.	repellent Al3-35770 Hexahydro-1-( (2-Methylcyclohexyl)
	Utility of an emulation and simulation computer model	Carbonyl)-1-H-Azepine
ROSCOE, S. N.	for air revitalization system hardware design, development,	[AD-A158386] p 68 N86-15903
Bigness is in the eye of the beholder	and test	RUSSELL, W. L.
p 233 A86-31820		
		Positive genetic hazard predictions from short-term tests
Mild hypoxia and visual performance with night vision	ROWLEY, B. A.	have proved false for results in mammalian spermatogonia
goggles p 249 A86-33755	Electrical enhancement of healing	with all environmental chemicals so far tested
An integrated display for vertical and translational flight	p 156 A86-28449	[DE85-013640] p 6 N86-11833
	ROZENBLYUM, L. A.	
Eight factors affecting pilot performance		RUSSINI, W.
p 264 A86-36175	Informativeness of echo signal in pulsed	Cockpit resource management - Exploring the
A multiple-regression model of pilot performance in	ultrasonography of the brain (with use of model)	attitude-performance linkage p 229 A86-29899
vertical and translational flight	p 66 N86-15887	RUSTAMYAN, L. A.
	ROZHDESTVENSKII, L. M.	Body position during hypokinesia, and fluid-electrolyte
ROSENBERG, G. D.	Mechanisms of the radiation protection effect and	metabolism p 60 N86-14853
Electron microprobe analyses of Ca, S, Mg and P	indication of the efficiency of radioprotectors	RUTH, E.
distribution in incisors of Spacelab-3 rats	p 207 A86-31375	Isoleucine stereoisomers on the earth
	ROZHKOV, V. P.	p 154 A86-26198
p 202 A86-30455	Spatial organization of components of the visual evoked	RUVINOVA, L. G.
ROSKE-HOFSTRAND, R. J.		
Cognitive network organization and cockpit automation	potentials and the sensorimotor reaction efficiency	Functional state of the pancreas under conditions of
p 237 A86-29858	p 419 A86-49264	prolonged bed rest p 421 A86-49271
	ROZINOV, M. N.	RUZIUS, M. H. B.
ROSNER, D.	Cloning and expression of leptospira pomona hemolysin	Auditory versus visual selective-attention tasks
Hydrogen production from salt water by Marine blue		
green algae and solar radiation p 245 A86-34985		
ROSS-CLUNIS, H., III	ROZZELL, T. C.	RYBAKOV, F. I.
	Biomaterials research in West Germany: An	Systems of efficient man-computer interaction
Effects of clinostat rotation on Aurelia statolith	assessment	p 74 A86-18730
synthesis p 199 A86-30436	[AD-A158951] p 53 N86-14840	RYLTSEVA, Y. V.
ROSS, M. D.		
Vertebrate gravity sensors as dynamic systems	Biological sciences and bioelectromagnetics in Europe	Some characteristics of epizootic process in
	[AD-A159221] p 53 N86-14841	hemorrhagic fever with renal syndrome
p 193 A86-30391	RUCHKIN, D. S.	p 218 N86-23234
Otoconial morphology in space-flown rats	Event-related potential indices of workload in a single	RYZHOV, N. I.
p 204 A86-30470	task paradigm p 130 A86-23733	Radiobiological validation of quality factor of protons and
ROTH, B. J.	Processing inferences derived from event-related	helium ions p 287 N86-27895
	potential measures in a monitoring task	
A bidomain model for the extracellular potential and		
	p 262 A86-33822	^
magnetic field of cardiac tissue p 206 A86-31224	p 262 A86-33822 RUDEL. E.	S
magnetic field of cardiac tissue p 206 A86-31224 ROTHSCHILD, R. A.	RUDEL, E.	S
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource	RUDEL, E.  Comparison between meteorological complex values	
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource	RUDEL, E.	SABO, P.
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A88-33784	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget	SABO, P. The Austrian biometeorological service
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  p 169 N86-21059	SABO, P.
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  p 169 N86-21059  RUDER, M.	SABO, P. The Austrian biometeorological service p 167 N86-21034
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  p 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility	SABO, P. The Austrian biometeorological service p 167 N86-21034 SACCO, A., JR.
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  p 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  p 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.	SABO, P. The Austrian biometeorological service p 167 N86-21034 SACCO, A., JR.
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  p 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  p 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S.
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  p 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S.
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design  [SAE PAPER 851334] p 137 A86-23523	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  p 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDIELY, M. I.  Changes in the morphofunctional and cytochemical	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  p 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDIELY, M. I.  Changes in the morphofunctional and cytochemical	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F.
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  p 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design  [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A88-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation  RUDOLPH, R. R.  An examination of injury criteria for potential application	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M.
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners:
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLEH, R. R.  An examination of injury criteria for potential application to explosive safety studies	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEV, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners:
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR.  Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S.  Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F.  The structure and development of the starch sheath in pae epicotyls  SACK, D. M.  Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLEH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292]  SADOSKI, D. M.
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLEH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M. The effects of syntactic complexity on the
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEV, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR.  Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S.  Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F.  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M.  Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M.  The effects of syntactic complexity on the human-computer interaction p 271 A86-36172
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771 A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660]	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M. The effects of syntactic complexity on the
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771 A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660] p 186 A86-28865  An experimental approach to validating a theory of	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLEH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pae epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M. The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C.
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17774  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660] p 186 A86-28665  An experimental approach to validating a theory of	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M. The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C. The organic aerosols of Titan p 298 N86-26852
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660] p 186 A86-28665  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M. The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C. The organic aerosols of Titan p 298 N86-26852
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660] p 186 A86-28865  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  On looking into the black box: Prospects and limits in	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750  RUFFNER, J. W.  Retention of helicopter flight skills - Is there a 'critical'	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M. The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C. The organic aerosols of Titan p 298 N86-26852
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771 A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660] p 186 A86-28865  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  On looking into the black box: Prospects and limits in the search for mental models	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEV, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750  RUFFNER, J. W.  Retention of helicopter flight skills - Is there a 'critical period' for proficiency loss? p 129 A86-23718	SABO, P. The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pae epicotyls SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations (AD-A166292) p 398 N86-30306  SADOSKI, D. M. The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C. The organic aerosols of Titan p 298 N86-26852  SAGAWA, S. Cardiorenal-endocrine responses to head-out immersion
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771 A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660] p 186 A86-28865  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  On looking into the black box: Prospects and limits in the search for mental models	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750  RUFFNER, J. W.  Retention of helicopter flight skills - Is there a 'critical'	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations (AD-A166292)  SADOSKI, D. M. The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C. The organic aerosols of Titan p 298 N86-26852  SAGAWA, S. Cardiorenal-endocrine responses to head-out immersion at night
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660]  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  On looking into the black box: Prospects and limits in the search for mental models [AD-A159080]	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEV, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750  RUFFNER, J. W.  Retention of helicopter flight skills - Is there a 'critical period' for proficiency loss? p 129 A86-23718	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F.  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M.  The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C. The organic aerosols of Titan p 298 N86-26852  SAGAWA, S. Cardiorenal-endocrine responses to head-out immersion at right p 91 A86-22666 Cutaneous vascular responses to heat simulated at a
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771 A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660] p 186 A86-28865  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  On looking into the black box: Prospects and limits in the search for mental models [AD-A159080] p 73 N86-15913  Pilot interaction with automated airborne decision	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEV, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750  RUFFNER, J. W.  Retention of helicopter flight skills - Is there a 'critical period' for proficiency loss? p 129 A86-23718  Conserving instructional training resources through use of the personalized system of instruction	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F.  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M.  The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C. The organic aerosols of Titan p 298 N86-26852  SAGAWA, S. Cardiorenal-endocrine responses to head-out immersion at right p 91 A86-22666 Cutaneous vascular responses to heat simulated at a
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771 A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660] p 186 A86-28865  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  On looking into the black box: Prospects and limits in the search for mental models [AD-A159080] p 73 N86-15913  Pilot interaction with automated airborne decision making systems	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750  RUFFNER, J. W.  Retention of helicopter flight skills - Is there a 'critical period' for proficiency loss? p 129 A86-23718  Conserving instructional training resources through use of the personalized system of instruction	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pae epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M. The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C. The organic aerosols of Titan p 298 N86-26852  SAGAWA, S. Cardiorenal-endocrine responses to head-out immersion at night p 91 A86-22666 Cutaneous vascular responses to head simulated at a high altitude of 5,600 m p 252 A86-36219
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660] p 186 A86-28865  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  On looking into the black box: Prospects and limits in the search for mental models [AD-A159080] p 73 N86-15913  Pilot interaction with automated airborne decision	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEV, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750  RUFFNER, J. W.  Retention of helicopter flight skills - Is there a 'critical period' for proficiency loss? p 129 A86-23718  Conserving instructional training resources through use of the personalized system of instruction  P 129 A86-23719	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR.  Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations (AD-A166292) p 398 N86-30306  SADOSKI, D. M. The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C. The organic aerosols of Titan p 298 N86-26852  SAGAWA, S. Cardiorenal-endocrine responses to head-out immersion at night Cutaneous vascular responses to heat simulated at a high attitude of 5,600 m p 252 A86-36219
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660] p 186 A86-28865  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  On looking into the black box: Prospects and limits in the search for mental models [AD-A159080] p 73 N86-15913  Pilot interaction with automated airborne decision making systems [NASA-CR-177002] p 385 N86-29508	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEV, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750  RUFFNER, J. W.  Retention of helicopter flight skills - Is there a 'critical period' for proficiency loss? p 129 A86-23718  Conserving instructional training resources through use of the personalized system of instruction  P 129 A86-23719  RUMELHART, D. E.  Human cognition and performance	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F.  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M.  The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C. The organic aerosols of Titan p 298 N86-26852  SAGAWA, S. Cardiorenal-endocrine responses to head-out immersion at night p 1 A86-22666  Cutaneous vascular responses to heat simulated at a high altitude of 5,600 m p 252 A86-36219  SAGE, K. H. Environmental Control and Life Support Systems
magnetic field of cardiac tissue p 206 A86-31224  ROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784  ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972  ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523  ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771  A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772  PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774  Review and evaluation of empirical research in troubleshooting [AD-A168660] p 186 A86-28665  An experimental approach to validating a theory of human error in complex systems p 260 A86-33792  On looking into the black box: Prospects and limits in the search for mental models [AD-A159080] p 73 N86-15913  Pilot interaction with automated airborne decision making systems [NASA-CR-177002] p 385 N86-29508  Pilot interaction with automated airborne decision	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEY, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750  RUFFNER, J. W.  Retention of helicopter flight skills - Is there a 'critical period' for proficiency loss? p 129 A86-23718  Conserving instructional training resources through use of the personalized system of instruction  P 129 A86-23719  RUMELHART, D. E.  Human cognition and performance  [AD-A157665] p 42 N86-12970	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F. The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M. The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C. The organic aerosols of Titan p 298 N86-26852  SAGAWA, S. Cardiorenal-endocrine responses to head-out immersion at night p 191 A86-22666 Cutaneous vascular responses to head simulated at a high altitude of 5,600 m p 252 A86-36219  SAGE, K. H. Environmental Control and Life Support Systems technology options for Space Station application
magnetic field of cardiac tissue p 206 A86-31224 RROTHSCHILD, R. A.  To speak or not to speak - A multiple resource perspective p 259 A86-33784 ROTHWELL, D.  Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972 ROUEN, M.  Your space suit and you - Significance of manloading in pressure suit design [SAE PAPER 851334] p 137 A86-23523 ROUSE, W. B.  The effects of type of knowledge upon human problem solving in a process control task p 74 A86-17771 A rule-based model of human problem-solving behavior in dynamic environments p 70 A86-17772 PLANT - An experimental task for the study of human problem solving in process control p 70 A86-17774 Review and evaluation of empirical research in troubleshooting [AD-A168660] p 186 A86-28865 An experimental approach to validating a theory of human error in complex systems p 260 A86-33792 On looking into the black box: Prospects and limits in the search for mental models [AD-A159080] p 73 N86-15913 Pilot interaction with automated airborne decision making systems [NASA-CR-177002] p 385 N86-29508	RUDEL, E.  Comparison between meteorological complex values and a model of man's energy budget  P 169 N86-21059  RUDER, M.  Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454  RUDIGER, C. E.  Considerations in the design of life sciences research facilities for the Space Station p 200 A86-30441  RUDNEV, M. I.  Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity microwave radiation p 52 A86-18150  RUDOLPH, R. R.  An examination of injury criteria for potential application to explosive safety studies  [AD-P004883] p 163 N86-20629  RUDY, Y.  The inverse problem in electrocardiography - A model study of the effects of geometry and conductivity parameters on the reconstruction of epicardial potentials p 394 A86-43750  RUFFNER, J. W.  Retention of helicopter flight skills - Is there a 'critical period' for proficiency loss? p 129 A86-23718  Conserving instructional training resources through use of the personalized system of instruction  P 129 A86-23719  RUMELHART, D. E.  Human cognition and performance	SABO, P.  The Austrian biometeorological service p 167 N86-21034  SACCO, A., JR. Environmental considerations and waste planning on the lunar surface p 239 A86-30149  SACHDEV, S. Advanced manipulator system architectural requirements for Space Station p 269 A86-34957  SACK, D. F.  The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  SACK, D. M. Calcium and vitamin D metabolism in submariners: Carbon dioxide, sunlight and absorption considerations [AD-A166292] p 398 N86-30306  SADOSKI, D. M.  The effects of syntactic complexity on the human-computer interaction p 271 A86-36172  SAGAN, C. The organic aerosols of Titan p 298 N86-26852  SAGAWA, S. Cardiorenal-endocrine responses to head-out immersion at night p 1 A86-22666  Cutaneous vascular responses to heat simulated at a high altitude of 5,600 m p 252 A86-36219  SAGE, K. H. Environmental Control and Life Support Systems

p 408 N86-31218

Human problem solving in fault diagnosis tasks AD-A167397] p 434 N86-32104

p 90 A86-22542

SAGI, D.

Correlation between the arterial blood pressure, the

pulmonary artery pressure, and central venous pressure

making systems [NASA-CR-176986]

[AD-A167397]

		H.

Modification of the resting oxygen consumption level of biological body and its tissues, during prolonged hypodynamics exposure p 194 A86-30398 SAIKI Y

Modification of the resting oxygen consumption level of biological body and its tissues, during prolonged p 194 hypodynamics exposure

A86-30398 SAKAGUCHI, T. Changes in catecholamine excretion during physical and

p 161 mental workload Changes in glycolytic intermediates in rat erythrocytes during exposure to simulated high altitude

p 156 A86-29097 SAKURAI, I.

Changes in catecholamine excretion during physical and mental workload p 161 A86-28099 Changes in glycolytic intermediates in rat erythrocytes during exposure to simulated high altitude

p 156 A86-29097 Alteration of rat brain catecholamine levels under hypoxia p 391 A86-43540

SALAZAR, S. M.

The effects of Bis (tri-n-butyltin) oxide on three species of marine phytoplankton [AD-A162115] p 212 N86-24188

SALDIVAR, J. T.

Evaluation of a passenger mask modified with a rebreather bag for protection from smoke and fumes [AD-A162473] p 188 N86-22116

SALIMOV, R. M. The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721 SALISBURY, F. B.

Wheat farming in a lunar base p 191 A86-30165 Evidences for changes in sensitivity to auxin and in cell-wall properties during gravitropic bending of dicot p 196 A86-30409 stems Studies on maximum yield of wheat for the controlled environments of space p 152 N86-19934

SALOMON, R. A.

Acute toxicity studies on 2 Air Force hydraulic fluids (MLO 82-233 and MLO 82-585)

AD-A163174] n 258 NR6-25084 SAMEJIMA, F.

A general model for the homogeneous case of the nuous response

[AD-A1593451 Plausibility functions of Iowa vocabulary test items estimated by the simple sum procedure of the conditional P.D.F. Approach p 134 N86-18986

SAMOILOV, Y.

Hypoxia prophylaxis against radiation injury

p 220 N86-23244 SAMOILOVA, V.

Artificial vaccines and stimulation of immunity

p 219 N86-23238 SAMRATOVA, S. V.

Investigation of catecholamine metabolism at high altitudes p 66 N86-15880

SAMSON, P. Enhanced metabolic response to caffeine exercise-trained human subjects p 7 A86-10106

SAMUEL, A. G. Attention within auditory word perception

[AD-A162550] p 182 N86-22111

SANDBERG. L

Psychological problems associated with the wearing of respiratory protective devices: A review [FOA-C-40216-C2] p 101 N86-17995

SANDERS, D. C.

Inhalation toxicology. 5: Evaluation of relative toxicity to rats of thermal decomposition products from two aircraft seat fire-blocking materials

[AD-A165034] p 277 N86-27866 Inhalation toxicology. Part 6: Evaluation of the relative toxicity of thermal decomposition products from 9 aircraft panel materials

AD-A1682501 SANDERS, F.

p 424 N86-32958

The stress syndrome p 290 A86-37276 SANDLER, C. E.

Progress in human performance accident investigation p 233 A86-29932

SANDLER, H.

Bedrest-induced peak VO2 reduction associated wage, gender, and aerobic capacity p 87 A86-204 p 87 A86-20402 Endocrine and fluid metabolism in males and females of different ages after bedrest, acceleration and lower body

negative pressure [NASA-TM-58270] SANES, J. N.

p 39 N86-13886

Peripheral nerve injury in developing rats reorganizes motor cortex [AD-A168019]

p 417 N86-32952

SANO. S. K.

Acute oral toxicity (LD50) of guanidine hydrochloride in rate

[AD-A165747] p 376 N86-28608 SANQUIST, T. F. Anticipatory adjustments during a warning interval -

Cortical negativity and perceptual sensitivity p 261 A86-33818 SANTINGA. J. T.

An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography
p 377 A86-41400

SANTROCK, J.

Isotopic study of the inhalation toxicology of oxidants PB86-109485] p 256 N86-25116 [PB86-109485] SANTUCCI, G.

Sensitivity to color contrasts and the selection of navigator personnel p 400 N86-30318 SANTY, P. A.

Astronaut crew performance Recent space experience

[SAE PAPER 851802] p 264 A86-35434 SAPOV. I. A.

The theoretical principles of adaptation

p 208 A86-33072 SAPP, W.

The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679

Reduction of the spermatogonial population in rat testes flown on Space Lab-3 p 203 A86-30466

Magnets and surgical procedures p 119 N86-19841 SARNQUIST, F. Effects of hemodilution on O2 transport in high-altitude

nolvcythemia p 37 A86-16053

Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290 SATHER, T. M.

Cardiovascular dynamics associated with tolerance to lower body negative pressure p 253 A86-36310

Japanese Technology Evaluation Program (JTECH): Biotechnology Panel

[PB86-109386] p 161 N86-22092

SATYANARAYANA, T.

Morphological and biochemical changes in soleus and extensor digitorum longus muscles of rats orbited in Spacelab 3 p 203 A86-30464

Structure and function of isozymes: Evolutionary aspects and role of oxygen in eucaryotic organisms [NASA-CR-176286] p 6 N86-11831

SAUBERLICH, H. E.

Energy expenditure and activity patterns of cadets at the United States Military Academy, West Point, New

[AD-A157857] p 38 N86-12960 SAUER, R. L.

Metabolic support for a lunar base

p 191 A86-30166 Operational development of small plant growth p 149 N86-19917 A method for screening of plant species for space use p 152 N86-19938

SAULGOZIS, Y. Z.

Effect of weightlessness and some of its models on mechanical properties of animal bones submitted to torsion

SAVELYEV. Y. P.

p 173 N86-21123

Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus p 220 N86-23243

Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation D 174 N86-21126

SAWKA, M. N.

Thermoregulatory and blood responses during exercise at graded hypohydration levels p 36 A86-16052 Plasma hormonal responses at graded hypohydration levels during exercise-heat stress

[AD-A164941] p 86 A86-20004 Effects of body mass and morphology on thermal responses in water p 162 A86-28123

Human thermoregulatory responses to cold air are altered by repeated cold water immersion

p 281 A86-39094 Circulatory and thermoregulatory actions of hydration during exercise-heat stress

[AD-A1584401 p 63 N86-14875 Human thermoregulatory responses to cold air are altered by repeated cold water immersion [AD-A158871] p 68 N86-15904

Prediction modeling of physiological responses and human performance in the heat

[AD-A1605131 p 115 N86-18965 Factors which alter human physiological responses

during exercise-heat acclimation [AD-A160580] p 115 N86-18967

Effectiveness of an air-cooled vest using selected air temperature and humidity combinations [AD-A162026] n 242 N86-24219

influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress n 289 N86-27916

Human vascular fluid responses to cold stress are not altered by cold acclimation [AD-A165869] p.398 N86-30305

Induced erythrocythemia and maximal aerobic power:
An examination of modifying factors

[AD-A166522] p 402 N86-31212 SAWYER, W. A.

Research animal stanchion and transporter

[AD-A163907] p 248 N86-25110 SAXE, C.

A simulation study of the effects of sleep deprivation, time of watch and length of time on watch on watchstanding

[AD-A167729] p 424 N86-32956 SAXTON, J. L.

Growth and development of rhesus monkeys exposed to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life

[AD-A168733] p 417 N86-32953 SAYERS, J. A.

Effects of raised body temperature on reasoning, memory, and mood p 86 A86-20002 SAZONOV. V. S.

Intradiurnial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764 SCATTERGOOD, T. W.

A gas chromatograph experiment for a Titan entry

p 299 N86-26856 SCHAEFER, H.

The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193

SCHAEFER, R. H. The roles of astronauts and machines for future space operations

[SAE PAPER 851332] p 137 A86-23521 Advanced EVA operation on-orbit tasks and services
[AIAA PAPER 86-1175] p 384 A86-40585 SCHAPPELL, R. T.

Teleoperator human factors study [NASA-CR-176310] p 23 N86-11854

SCHARDIJN, G. H. C.

Early detection and treatment of avascular bone necrosis p 124 N86-19872

SCHATTE C Ames Research Center life sciences payload - Overview of results of a spaceflight of 24 rats and 2 monkeys

[AIAA PAPER 85-6092] p 50 A86-17607 Ames Research Center Life Sciences Payload Overview of results of a spaceflight of 24 rats and 2 monkeys

[AIAA PAPER 86-0583] p 79 A86-19963 Animal studies on Spacelab-3 [NASA-TM-88212]

SCHATTEN, G.

Intracellular pH shift leads to microtubule assembly and microtubule-mediated motility during sea urchin fertilization Correlations between elevated intracellular pH and microtubule activity and depressed intracellular pH and microtubule disassembly p 82 A86-22709
Fertilization, development and spicule formation in sea

urchins under conditions of constant reorientation relative to the gravitation axis the gravitation axis p 195 A86-30406
Microtubule configurations during fertilization, mitosis. and early development in the mouse and the requirement for egg microtubule-mediated motility during mammalian fertilization p 371 A86-40674

Nuclear lamins and peripheral nuclear antigens during fertilization and embryogenesis in mice and sea urchins p 371 A86-40675

Intracellular pH shift leads to microtubule assembly and microtubule-mediated motility during sea urchin fertilization Correlations between elevated intracellular pH and microtubule activity and depressed intracellular pH and

microtubule disassembly p 82 A86-22709
Fertilization, development and spicule formation in sea urchins under conditions of constant reorientation relative to the gravitation axis

the gravitation axis p 195 A86-30406
Microtubule configurations during fertilization, mitosis. and early development in the mouse and the requirement for egg microtubule-mediated motility during mammalian p 371 A86-40674

p 92 N86-16889

Nuclear lamins and peripheral nuclear antigens during	Helicopter-referenced single control, center-position	CEELY O. D.
fertilization and embryogenesis in mice and sea urchins	force exertion capabilities of males and females	SEELY, G. R. Particulate models of photosynthesis
p 371 A86-40675	[AD-A161234] p 154 N86-19946	[DE86-001625] p 160 N86-22090
SCHEIDEGGER, K.	SCHRIER, L. M.	SEGAL, K. R.
Effect of elevated FFA on carbohydrate and lipid	Effects of intermittent exposure to hyperoxia in	Plasma lactate and ventilation thresholds in trained and
oxidation during prolonged exercise in humans p 215 A86-30679	operational diving p 123 N86-19868	untrained cyclists p 215 A86-30678 SEGAL, V. M.
SCHELD, H. W.	SCHUBERT, F. H. Environmental control/life support system for Space	Information display complexes p 241 A86-33324
Tissue culture apparatus for flight experimentation	Station p 407 A86-45692	SEGALL, M.
p 201 A86-30444	SCHUETTE, M.	DNA and protein studies of HLA class 2 molecules: Their
Operational development of small plant growth systems p 149 N86-19917	Techniques of asking questions in the evaluation of	relationship to T cell recognition [AD-A160704] p 116 N86-18968
A method for screening of plant species for space use	man-machine systems p 433 A86-47774	SEIFERT, R.
p 152 N86-19938	SCHUH, A. Climatic cure on a practical level p 164 N86-21019	Cockpit automation requirements derived from mission
SCHELHORN, J. J.	Air quality determination in health resorts	functions data p 293 N86-26318
Device for rapid quantification of human carotid baroreceptor-cardiac reflex responses	p 169 N86-21046	SEIGNEUR, JM. Intermediate collimation: Description - Goals - First
p 162 A86-28125	SCHULTZ, E.	results p 44 A86-13570
SCHERER, S.	The biological efficiency of dust emmission:	SEIGNEURIC, A.
Could life have arisen in the primitive atmosphere?	Determination based on the withering degree of exposed	Complete right branch blocking and the flight fitness
p 24 A86-12004 SCHIDLOWSKI, M.	lichens p 169 N86-21047 SCHULTZ, E. E., JR.	of pilots p 31 A86-13567 Gastric and duodenal ulcers and the flight fitness of
Carbon isotope discrepancy between Precambrian	Decluttering methods for high density	pilots p 113 A86-24509
stromatolites and their modern analogs - Inferences from	computer-generated graphic displays	Mitral valve prolapse in a young person - An estimation
hypersaline microbial mats of the Sinai Coast	p 267 A86-33790	of the risk of arrhythmia - The impact on the flight fitness
p 25 A86-14119 SCHLEBUSCH, H.	SCHULZ, R.	of a pilot p 113 A86-24510
High pressure oxygen (OHP) induced increase of serum	Investigations of the reproductive physiology of the	Flight fitness and a past myocardial infarction p 281 A86-39772
prolactin is not due to a dopamine (DA)-receptor	rainbow trout (Salmo gairdneri Richardson) p 388 N86-29521	Continuous ECG monitoring of Mirage 2000 pilots
blockade p 123 N86-19867	SCHULZE, A.	(comparison with Mirage 3 and F1 pilots)
SCHLEGEL, R. E.	An attempt to localize and identify the gravity sensing	p 399 N86-30315
Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809	mechanism of plants p 197 A86-30417 SCHUMACKER, P. T.	SEKI, K.
SCHLICHTING, C. L.	Role of hemoglobin P50 in O2 transport during normoxic	Effect of low and high environmental temperatures on
Cardiorespiratory fitness and cognitive performance	and hypoxic exercise in the dog p 1 A86-10103	decompression sickness in the aging rat p 126 N86-19884
before and after confinement in a nuclear submarine	SCHUTTE, W.	SEKULER, R.
p 32 A86-14317	Photochemical reactions in interstellar grains photolysis	Improvement in direction discrimination - No role for eye
SCHLIPKOETER, H. W.  Effects of air pollution on man p 167 N86-21038	of CO, NH3, and H2O p 189 A86-28721	movements p 234 A86-32073
SCHLOERB, F. P.	Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140	Enhancing sensitivity to visual motion and enhancing
Boundary conditions for the paleoenvironment:	SCHWARTZ, E. L.	visual sensitivity
Chemical and Physical Processes in dense interstellar	Novel architectures for image processing based on	[AD-A158800] p 40 N86-13889
clouds p 297 N86-26847	computer simulation and psychophysical studies of human	Enhancing visual sensitivity
SCHMEISSER, E. T.	visual cortex	[AD-A158799] p 68 N86-15906
Foveal flashes and human performance p 284 N86-26822	[AD-A166222] p 404 N86-30333 SCHWARTZ, H. J. C.	SEKULER, R. W.  Sensitivity to visual motion in statistically defined
SCHMIDT, C. R.	A blitz of bends - Decompression sickness in four	displays
Xiphophorus: A system to recognize radiation-induced	students after hypobaric chamber training	[AD-A167291] p 405 N86-31217
mutations and to study the effects of zero-gravity	p 378 A86-41790	SELIATSKAIA, V. G.
environment on embryo development	SCHWARTZ, M.	The mechanism of the adaptogenic effect of tocopherol
p 388 N86-29523 SCHMIDT, D. K.	Electrochemical CO2 concentration for the Space Station Program	in prolonged cold exposure p 414 A86-49367
Normalized predictive deconvolution - A time series	[SAE PAPER 851341] p 138 A86-23528	SELLEN, A. J.  At least some errors are randomly generated (Freud
algorithm for modeling human operator dynamics	Space Station nitrogen supply system based on stored	was wrong) p 438 N86-32989
p 44 A86-14238	chemicals	SELTSOVSKII, P. P.
Optimal cooperative control synthesis of active	[SAE PAPER 851349] p 139 A86-23535 SCHWARTZ, P. J.	EEG correlates in the process of forming driving skills
displays p 441 N86-33006	Cardiac response of submaximal exercise in dogs	p 421 A86-49273
Modified superposition: A simple time series approach to closed-loop manual controller identification	susceptible to sudden cardiac death p 1 A86-10107	SELUYANOV, V. N.  Human body biomechanics and movements after
p 442 N86-33009	SCHWARTZKOPF, S. H.	120-day antiorthostatic hypokinesia p 60 N86-14851
Closed-loop, pilot/vehicle analysis of the approach and	Electrochemical control of pH in a hydroponic nutrient	res day armoratestate hypothesista p de riss i rest
		SELWYN, B. J.
landing task p 442 N86-33013	solution p 150 N86-19918	SELWYN, B. J.  Health effects of ambient ozone exposure in vigorously
	solution p 150 N86-19918 SCHWEITZER, E. I.	
landing task p 442 N86-33013  SCHMIDT, P.  Group diagnosis as risk assessment in environment	solution p 150 N86-19918	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989
landing task p 442 N86-33013 SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J.	Health effects of ambient ozone exposure in vigorously exercising adults [PB8-156940] p 258 N86-25989 SEMENIKHINA, V. F.
landing task p 442 N86-33013 SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039 SCHNAKENBERG, D.	solution p 150 N86-19918  SCHWEITZER, E. I.  Forward field autotransfusion device  [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J.  Suture needle holder	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989 SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria
landing task p 442 N86-33013  SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D. Urinary and hematological indices of hypohydration	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989 SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236
landing task p 442 N86-33013  SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D. Urinary and hematological indices of hypohydration	solution p 150 N86-19918  SCHWEITZER, E. I.  Forward field autotransfusion device  [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J.  Suture needle holder	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989 SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria
landing task p 442 N86-33013  SCHMIDT, P.  Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D.  Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H.  Morphology and development of the inner ear of	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989 SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236 SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of
landing task p 442 N86-33013 SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039 SCHNAKENBERG, D. Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917 SCHNEIDER, H. Morphology and development of the inner ear of Anurans p 389 N86-29529	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J.	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989 SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236 SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320
landing task p 442 N86-33013 SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039 SCHNAKENBERG, D. Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917 SCHNEIDER, H. Morphology and development of the inner ear of Anurans p 389 N86-29529 SCHOMER, P. D.	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators	Health effects of ambient ozone exposure in vigorously exercising adults [PB8-6-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N.
landing task p 442 N86-33013  SCHMIDT, P.  Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D.  Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H.  Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D.  The role of vibration and rattle in human response to	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical
landing task p 442 N86-33013  SCHMIDT, P.  Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D.  Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H.  Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D.  The role of vibration and rattle in human response to helicopter noise	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864
landing task p 442 N86-33013  SCHMIDT, P.  Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D.  Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H.  Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D.  The role of vibration and rattle in human response to helicopter noise	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical
landing task p 442 N86-33013  SCHMIDT, P.  Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D.  Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H.  Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D.  The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110  SCHONFELD, E.  In vivo nuclear magnetic resonance imaging	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989
landing task p 442 N86-33013 SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039 SCHNAKENBERG, D. Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917 SCHNEIDER, H. Morphology and development of the inner ear of Anurans p 389 N86-29529 SCHOMER, P. D. The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110 SCHONFELD, E. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, Y. A.
landing task p 442 N86-33013 SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039 SCHNAKENBERG, D. Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917 SCHNEIDER, H. Morphology and development of the inner ear of Anurans p 389 N86-29529 SCHOMER, P. D. The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110 SCHONFELD, E. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 SCHOOMAKER, E. B.	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, Y. A. Investigation of catecholamine metabolism at high
landing task p 442 N86-33013  SCHMIDT, P.  Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D.  Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H.  Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D.  The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110  SCHONFELD, E.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  SCHOOMAKER, E. B.  Plasma viscosity elevations with simulated	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547  SEAWORTH, J. F. Hemodynamic effects of anti-G suit inflation in a 1-G	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, Y. A. Investigation of catecholamine metabolism at high altitudes p 66 N86-15880
landing task p 442 N86-33013 SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039 SCHNAKENBERG, D. Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917 SCHNEIDER, H. Morphology and development of the inner ear of Anurans p 389 N86-29529 SCHOMER, P. D. The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110 SCHONFELD, E. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 SCHOOMAKER, E. B. Plasma viscosity elevations with simulated weightlessness p 253 A86-36312	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547  SEAWORTH, J. F. Hemodynamic effects of anti-G suit inflation in a 1-G environment p 22 A86-12379  SEBEKINA, T. V. Blood circulation changes in the carotid arteries pool	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F.    Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N.    Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N.    Synthesis and analysis in studies of chemical evolution p 300 N86-28864  SENDERS, J. W.    At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, Y. A.    Investigation of catecholamine metabolism at high altitudes p 66 N86-15880    Some aspects of human amino acid metabolism at high
landing task p 442 N86-33013  SCHMIDT, P.  Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D.  Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H.  Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D.  The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110  SCHONFELD, E.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  SCHOOMAKER, E. B.  Plasma viscosity elevations with simulated	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547  SEAWORTH, J. F. Hemodynamic effects of anti-G suit inflation in a 1-G environment p 22 A86-12379  SEBEKINA, T. V. Blood circulation changes in the carotid arteries pool caused by antiorthostasis and antiorthostatic	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F.    Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N.    Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N.    Synthesis and analysis in studies of chemical evolution p 300 N86-28864  SENDERS, J. W.    At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, Y. A.    Investigation of catecholamine metabolism at high altitudes p 66 N86-15880    Some aspects of human amino acid metabolism at high
landing task p 442 N86-33013  SCHMIDT, Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D. Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H. Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D. The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110  SCHOMERLD, E. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  SCHOOMAKER, E. B. Plasma viscosity elevations with simulated weightlessness p 253 A86-36312  SCHOPF, J. W. Recent progress in Precambrian paleobiology	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547  SEAWORTH, J. F. Hemodynamic effects of anti-G suit inflation in a 1-G environment SEBEKINA, T. V. Blood circulation changes in the carotid arteries pool caused by antiorthostasis and antiorthostatic hypokinesia p 27 A86-15513	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, Y. A. Investigation of catecholamine metabolism at high altitudes p 166 N86-15880  Some aspects of human amino acid metabolism at high altitude p 175 N86-21136  SEPANIAK, M. J. Fiberoptics immunofluorescence spectroscopy for
landing task p 442 N86-33013  SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D. Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H. Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D. The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110  SCHONFELD, E. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  SCHOOMAKER, E. B. Plasma viscosity elevations with simulated weightlessness p 253 A86-36312  SCHOPF, J. W. Recent progress in Precambrian paleobiology p 305 N86-26887	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547  SEAWORTH, J. F. Hemodynamic effects of anti-G suit inflation in a 1-G environment p 22 A86-12379  SEBEKINA, T. V. Blood circulation changes in the carotid arteries pool caused by antiorthostasis and antiorthostatic	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, Y. A. Investigation of catecholamine metabolism at high altitudes p 66 N86-15880  Some aspects of human amino acid metabolism at high altitude p 175 N86-21136  SEPANIAK, M. J. Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring
landing task p 442 N86-33013  SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D. Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H. Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D. The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110  SCHONFELD, E. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  SCHOOMAKER, E. B. Plasma viscosity elevations with simulated weightlessness p 253 A86-36312  SCHOPF, J. W. Recent progress in Precambrian paleobiology p 305 N86-26887  SCHOPFER, C. J. Thyroid absorbed dose for people at Rongelap, Utirik	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547  SEAWORTH, J. F. Hemodynamic effects of anti-G suit inflation in a 1-G environment p 22 A86-12379  SEBEKINA, T. V. Blood circulation changes in the carotid arteries pool caused by antiorthostasis and antiorthostatic hypokinesia p 27 A86-15513 The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation p 216 A86-30895	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, V. A. Investigation of catecholamine metabolism at high altitudes p 66 N86-15880  Some aspects of human amino acid metabolism at high altitude p 175 N86-21136  SEPANIAK, M. J. Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring [DE86-002239] p 225 N86-24209
landing task p 442 N86-33013  SCHMIDT, P.  Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D.  Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H.  Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D.  The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110  SCHONFELD, E.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  SCHOOMAKER, E. B.  Plasma viscosity elevations with simulated weightlessness p 253 A86-36312  SCHOPF, J. W.  Recent progress in Precambrian paleobiology p 305 N86-26887  SCHOPFER, C. J.  Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547  SEAWORTH, J. F. Hemodynamic effects of anti-G suit inflation in a 1-G environment p 22 A86-12379  SEBEKINA, T. V. Blood circulation changes in the carotid arteries pool caused by antiorthostasis and antiorthostatic hypokinesia p 27 A86-15513 The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation p 216 A86-30895  SEBESTA, Z.	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, Y. A. Investigation of catecholamine metabolism at high altitudes p 66 N86-15880  Some aspects of human amino acid metabolism at high altitude p 175 N86-21136  SEPANIAK, M. J. Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring [DE86-002239]  SEPISHEVA, A. S.
landing task p 442 N86-33013  SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D. Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H. Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D. The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110  SCHONFELD, E. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  SCHOMAKER, E. B. Plasma viscosity elevations with simulated weightlessness p 253 A86-36312  SCHOPF, J. W. Recent progress in Precambrian paleobiology p 305 N86-26887  SCHOPFER, C. J. Thyroid absorbed dose for people at Rongelap, Utrirk and Sifo on March 1, 1954 [DE85-014695] p 17 N86-11846	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547  SEAWORTH, J. F. Hemodynamic effects of anti-G suit inflation in a 1-G environment p 22 A86-12379  SEBEKINA, T. V. Blood circulation changes in the carotid arteries pool caused by antiorthostasis and antiorthostatic hypokinesia p 27 A86-15513 The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation p 216 A86-30895  SEBESTA, Z. Meteorotropic changes of cardiac patients' blood	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain itssue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, Y. A. Investigation of catecholamine metabolism at high altitudes p 66 N86-15880  Some aspects of human amino acid metabolism at high altitude p 175 N86-21136  SEPANIAK, M. J. Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring [DE86-002239] p 225 N86-24209  SEISHEVA, A. S. The effect of short term hypoxia on body temperature
landing task p 442 N86-33013  SCHMIDT, P.  Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D.  Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H.  Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D.  The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110  SCHONFELD, E.  In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  SCHOOMAKER, E. B.  Plasma viscosity elevations with simulated weightlessness p 253 A86-36312  SCHOPF, J. W.  Recent progress in Precambrian paleobiology p 305 N86-26887  SCHOPFER, C. J.  Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547  SEAWORTH, J. F. Hemodynamic effects of anti-G suit inflation in a 1-G environment p 22 A86-12379  SEBEKINA, T. V. Blood circulation changes in the carotid arteries pool caused by antiorthostasis and antiorthostatic hypokinesia p 27 A86-15513 The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation p 216 A86-30895  SEBESTA, Z. Meteorotropic changes of cardiac patients' blood pressure and pulse frequency during a complex bath	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, Y. A. Investigation of catecholamine metabolism at high altitudes p 66 N86-15880  Some aspects of human amino acid metabolism at high altitude p 175 N86-21136  SEPANIAK, M. J. Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring [DE86-002239] p 225 N86-24209  SEPISHEVA, A. S. The effect of short term hypoxia on body temperature and lactic acid in blood
landing task p 442 N86-33013  SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D. Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H. Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D. The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110  SCHONFELD, E. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  SCHOMAKER, E. B. Plasma viscosity elevations with simulated weightlessness p 253 A86-36312  SCHOPF, J. W. Recent progress in Precambrian paleobiology p 305 N86-26887  SCHOPFER, C. J. Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954 [DE85-014695] p 17 N86-11846  SCHOPPER, A. W. Levels of helicopter control force inputs during in-flight emergency conditions as a function of aviator	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547  SEAWORTH, J. F. Hemodynamic effects of anti-G suit inflation in a 1-G environment p 22 A86-12379  SEBEKINA, T. V. Blood circulation changes in the carotid arteries pool caused by antiorthostasis and antiorthostatic hypokinesia p 27 A86-15513 The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation p 216 A86-30895  SEBESTA, Z. Meteorotropic changes of cardiac patients' blood pressure and pulse frequency during a complex bath cure p 166 N86-21031	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain itssue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, Y. A. Investigation of catecholamine metabolism at high altitudes p 66 N86-15880  Some aspects of human amino acid metabolism at high altitude p 175 N86-21136  SEPANIAK, M. J. Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring [DE86-002239] p 225 N86-24209  SEISHEVA, A. S. The effect of short term hypoxia on body temperature
landing task p 442 N86-33013  SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D. Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H. Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D. The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110  SCHONFELD, E. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  SCHOMAKER, E. B. Plasma viscosity elevations with simulated weightlessness p 253 A86-36312  SCHOPF, J. W. Recent progress in Precambrian paleobiology p 305 N86-26887  SCHOPFER, C. J. Thyroid absorbed dose for people at Rongelap, Utrirk and Sifo on March 1, 1954 [DE85-014695] p 17 N86-11846  SCHOPPER, A. W. Levels of helicopter control force inputs during in-flight emergency conditions as a function of aviator experience p 236 A86-29852	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547  SEAWORTH, J. F. Hemodynamic effects of anti-G suit inflation in a 1-G environment p 22 A86-12379  SEBEKINA, T. V. Blood circulation changes in the carotid arteries pool caused by antiorthostasis and antiorthostatic hypokinesia p 27 A86-15513 The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation p 216 A86-30895  SEBESTA, Z. Meteorotropic changes of cardiac patients' blood pressure and pulse frequency during a complex bath	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong) p 438 N86-32989  SENKEVICH, Y. A. Investigation of catecholamine metabolism at high altitudes p 66 N86-15880  Some aspects of human amino acid metabolism at high altitude p 175 N86-21136  SEPANIAK, M. J. Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring [DE86-002239]  SEPISHEVA, A. S. The effect of short term hypoxia on body temperature and lactic acid in blood p 81 A86-22595  SEPKOSKI, J. J., JR. Some implications of mass extinction for the evolution of complex life p 275 A86-38147
landing task p 442 N86-33013  SCHMIDT, P. Group diagnosis as risk assessment in environment hygiene p 167 N86-21039  SCHNAKENBERG, D. Urinary and hematological indices of hypohydration [AD-A165015] p 289 N86-27917  SCHNEIDER, H. Morphology and development of the inner ear of Anurans p 389 N86-29529  SCHOMER, P. D. The role of vibration and rattle in human response to helicopter noise [AD-A162486] p 182 N86-22110  SCHONFELD, E. In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105  SCHOMAKER, E. B. Plasma viscosity elevations with simulated weightlessness p 253 A86-36312  SCHOPF, J. W. Recent progress in Precambrian paleobiology p 305 N86-26887  SCHOPFER, C. J. Thyroid absorbed dose for people at Rongelap, Utirik and Sifo on March 1, 1954 [DE85-014695] p 17 N86-11846  SCHOPPER, A. W. Levels of helicopter control force inputs during in-flight emergency conditions as a function of aviator	solution p 150 N86-19918  SCHWEITZER, E. I. Forward field autotransfusion device [AD-D011763] p 37 N86-12957  SCHWEITZER, E. J. Suture needle holder [AD-D011764] p 37 N86-12958  SCOTT, O. T. Peptidoglycan envelope in the cyanelles of Glaucocystis nostochinearum p 51 A86-18029  SEARLE, R. J. New developments in on board oxygen generators p 430 A86-47740  SEAWORTH, J. The effect of +Gz acceleration on cardiac volumes determined by two-dimensional echocardiography p 58 A86-18547  SEAWORTH, J. F. Hemodynamic effects of anti-G suit inflation in a 1-G environment p 22 A86-12379  SEBEKINA, T. V. Blood circulation changes in the carotid arteries pool caused by antiorthostasis and antiorthostatic hypokinesia p 27 A86-15513 The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation p 216 A86-30895  SEBESTA, Z. Meteorotropic changes of cardiac patients' blood pressure and pulse frequency during a complex bath cure p 166 N86-21031  SEDLAK, F. R.	Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989  SEMENIKHINA, V. F. Antibiotic properties of bifidobacteria p 219 N86-23236  SEMERNIA, V. N. Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320  SENARATNE, N. Synthesis and analysis in studies of chemical evolution p 300 N86-26864  SENDERS, J. W. At least some errors are randomly generated (Freud was wrong)  SENKEVICH, Y. A. Investigation of catecholamine metabolism at high altitudes Some aspects of human amino acid metabolism at high altitude p 175 N86-21136  SEPANIAK, M. J. Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring [DE86-002239]  SEPISHEVA, A. S. The effect of short term hypoxia on body temperature and lactic acid in blood p 81 A86-22595  SEPKOSKI, J. J., JR. Some implications of mass extinction for the evolution

SEPUI	LVEDA	. 🛦

Conservation of the secondary structure of protein during evolution and the role of the genetic code

p 372 A86-41047

SEREBROVSKAIA, T. V.

Hypoxic and hypercapnic sensitivity as a reflection of individual human reactivity p 58 A86-16753 p 58 A86-16753

SEREDENKO, M. M.

External respiration, gas exchange, and blood oxygen parameters in acute methemoglobinemia [DRIC-T-7663] p 415 N86-32082

SERFATY, D.

An experimental paradigm for Drocesses p 440 N86-33000 SERGEEVA. L. N.

The effects of cerebral hypoxia and hyperventilatory hypocapnia on the epileptiform activity in the cerebral cortex of cats p 392 A86 45318

SERGEYEV, I. N.

Effect of 24,25-dihydroxycholecalciferol on amino acid p 55 N86-14869 metabolism of hypokinetic rats Role of vitamin D3 active metabolites in regulation of calcium metabolism in hypokinetic rats

p 174 N86-21124 Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893

SERGIENKO, N. G.

The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points

p 414 A86-49921

SEROVA, L. V.

Comparative analysis of hypo - and hyper-gravity effects on prenatal development of mammals

p 191 A86-30377 Early postnatal development of rats cestated during flight of Cosmos 1514 p 195 A86-30402

SESHAN, P. K.

Design concepts for bioreactors in space

p 151 N86-19926

SESTERHENN. H.

Calculations on technical requirements for protection devices against a nuclear light flash p 284 N86-26819

SEXTON, J. A.

Effect of hypocapnia on ventral medullary blood flow and pH during hypoxia in cats p 413 A86-47869 SFAKLANOS, P. N.

Microvascular flow adjustments with postural changes p 215 A86-30448 in humans

SHABAEV, R. R.

Changes in the vascular functions of skeletal muscles due to acute hypothermia SHABELNIKOV, V. G. p 3 A86-12522

Mathematical models of the effect of gravitation on lung functions p 111 A86-24135 Forced expiration parameters in healthy man submitted to simulated weightlessness p 173 N86-21121 SHADLEN, M.

Mechanisms of human motion perception revealed by a new cyclopean illusion p 235 A86-33103

SHAFRAN, L. M. Individual and typological functional properties of the sympathoadrenal system as a prognostic index of the functional state of an organism in complex environmental conditions p 88 A86-22532

SHAGOIAN, M. G.

The effect of radiation on the concentration and metabolism of dopamine in the rat brain

p 276 A86-39722

SHAKHBAZOV, V. G.

The electrokinetic properties of cell nuclei in the human buccal epithelium in conditions of motion sickness and p 90 A86-22549

SHAKULA, A. V.

Controlling of pilot work capacity by psychosomatic self-regulation techniques p 265 A86-36500 SHAKUNTHALA, D. T.

Vibration transmissibility in seated subjects

p 22 A86-12436

SHAMBAUGH, R.

EVA suit glove design p 383 A86-40521

SHAMIS, D. L.

Theoretical prerequisites for the possible use of bacteria which split organophosphates in order to increase the yield of nutrient yeast and its nitrogen and phosphorous content

[AD-A161811]

p 159 N86-22083 SHAPIRO, H. M.

Rapid identification of micro-organisms [AD-A159945]

p 107 N86-18952 SHAPIRO, S. V.

Synchronization of heart contractions and respiration during thermoregulatory polypnea in dogs

p 245 A86-34490

SHAPIRO, Y.

Factors which alter human physiological responses during exercise-heat acclimation [AD-A160580]

p 115 N86-18967 SHAPOVAL, L. N.

Gamma-aminobutyric acid and bulbar mechanisms of hemodynamic regulation p 246 A86-35941 SHAPOVALOV, A. A.

The state of man's organism under conditions of elevated atmospheric carbon dioxide p 163 A86-29306

SHARAEV. G. A.

Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695 Electroencephalograms and the read-out of information in the visual cortex during image recognition

p 33 A86-15512 Thermoencephaloscopy p 206 A86-30892

SHARAYEV, G. A. Thermovisual indicators of brain response to visual p 119 N86-19843

SHARKEY, T. D. Gas exchange characteristics of leaves as indicators

of the basic limitations to the rate of photosynthesis [DE86-0096321 p 416 N86-32085 SHARMA, R.

Training of cosmonauts and experience during space p 263 A86-35286

SHAW, B. E. Person computer dialogue: A human engineering data base supplement

p 243 N86-24223 SHAW, G. R. Resting metabolic rate in men following prolonged

treadmill exercise p 121 N86-19853 SHAW J. G.

Noninvasive Doppler determination of cardiac output during submaximal and peak exercise

p 21 A86-10102 SHCHERBAKOV, A. A.

Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 SHCHUKINA, M. IA.

The content of lactic acid in the blood and erythropoiesis during hypoxia p 393 A86-45324

The evaluation of copper compounds as potential fuel

[AMTE(M)-845201 p 84 N86-17974 SHEEHY, J. B.

The effect of spectrally selective filters on visual search nerformence AD-A1658351 n 404 N86-30329

SHELDAHL, L. M. Effect of head-out water immersion on response to e training p 396 A86-44194

SHELEPIN, IU. E. Visual-contrast measurement - Measurement of the spatial transfer functions of the visual system

p 27 A86-15467 SHELLEY, M. L. A model of inhaled gas and vapor transport in the human

lung [AD-A160829] n 117 N86-18976

SHELNUTT, J. A. Method for improving product yields in an anionic

metalloporphyrin-based artificial photosynthesis system [DE85-017723] p 85 N86-17978 SHELNUTT, J. B.

Pilot vehicle interfaces with smart avionics systems [SAE PAPER 851923] p 270 A86-35432 SHEPELEV. Y. Y.

Biological life-support systems for long-duration space p 47 N86-14160

SHEPHERD, W. T.

Cockpit speech interference considerations

p 229 A86-29895

SHERES 1.7 Characteristics of external respiration in inhabitants of p 9 A86-10698 the northeastern USSR

Respiratory function in inhabitants of northeastern USSR p 119 N86-19845

SHERIDAN, T. B.

Effect of time span and task load on pilot mental workload

[NASA-CR-177388] p 99 N86-16901 Effect of time span and task load on pilot mental

workload [NASA-CR-177099] p 382 N86-29502

The impact of physical and mental tasks on pilot mental p 437 N86-32982

Computer visual simulation of contrast sensitivity deficits induced by laser and chemical antidote exposure p 294 N86-26813

SHERSTYUK, S. F.

Protein-protein interactions in systems with synthetic polyelectrolytes p 210 N86-23225

SHESTAKOV, V. A.

Changes in pericardial microcirculation in dogs during adaptation to static muscle loads p 392 A86-45321 SHEVCHENKO, L. S.

Prediction of human physical work capacity in gh-temperature environments p 34 A86-15522 high-temperature environments SHEVCHENKO, Y. V.

Electrocardiogram in NEHB type leads of Macaca mulatta monkeys p 175 N86-21137

SHEVCHUK, V. G. Antioxidants as antiarrhythmic remedies

p 246 A86-35938

SHEVELEV. I. A. Thermovisual indicators of brain reactions to visual

stimuli p 9 A86-10695 Electroencephalograms and the read-out of information

in the visual cortex during image recognition D 33 A86-15512 Thermoencephaloscopy p 206 A86-30892 Thermovisual indicators of brain response to visual

stimuli SHEW R I

> The use of reflective SWAT for workload assessment p 144 A86-23747

SHEWCHENKO, N.

The development of two prototype facial protection systems for high performance aircrew helmets

SHIBATA, M.

A comparative study of prebiotic and present day translational models p 303 N86-26877

Investigation of Eustachianal function in JASDF pilots by new apparatus. I - On the pressural regulation of the Eustachian tube in normal human p 32 A86-13941 SHIDARA, F.

Effect of low and high environmental temperatures on decompression sickness in the aging rat

p 126 N86-19884 SHIDLOVSKAYA, T. Y.

p 119 N86-19843

p 430 A86-47739

Intensity of lipid peroxidation in hypokinetic rat tissues

p 56 N86-15876 SHIDOV, Z. A.

Mechanical resistance of erythrocytes and oxygen mass transport in hypoxic states due to different conditions p 88 A86-21452

SHIELDS, N. L. Reconfigurable work station for a video display unit and

keyboard [NASA-CASE-MFS-26009-1SB] p 188 N86-22114 SHIELDS, N. L., JR.

The system integration and verification testing of an orbital maneuvering vehicle for an air bearing floo [NASA-CR-178350] p 242 N86 p 242 N86-24217

SHIKHMAN, A. R. Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus

p 220 N86-23243

SHIMIZU, K. Cold water immersion test of prototype anti-exposure suits for aircrews p 44 A86-13942

Heat acclimation - Cardiac performance of isolated rat p 82 A86-22663 An automated system for ST segment and arrhythmia analysis in exercise radionuclide ventriculography

p 377 A86-41400 SHINGLEDECKER, C.

Effect of workload on the auditory evoked brainstern p 128 A86-23705

SHINGLEDECKER, C. A.

Methods and systems for performance capabilities measuring human p 267 A86-33786 stern design and p 267 A86-33787 Workload measurement in system evaluation

Training characteristics of the Criterion Task Set workload assessment battery p 261 A86-33809 SHINKARENKO, S. A.

Responses of cat red-nucleus neurons to auditory signals

p 52 A86-18181 SHINKLE, G. L.

Space Station crew workload - Station operations and customer accommodations SAE PAPER 851803] p 270 A86-35435

SHIODA, K. Modification of the resting oxygen consumption level of biological body and its tissues, during prolonged hypodynamics exposure p 194 A86-30398

SHIPLEY, B. D., JR. Productivity and difficulty as new criteria for validating aviator selection tests p 128 A86-23717

SHIPOV, A. A.

Changes in physical condition, vestibular function and bone system of rats submitted to long-term rotation

p 54 N86-14857 Basic results of experiments with long-term rotation of rats as applied to the problem of artificial gravity p 56 N86-15878

SHIRAKI, K.

Cardiorenal-endocrine responses to head-out immersion at night t night p 91 A86-22666 Cutaneous vascular responses to heat simulated at a high altitude of 5,600 m SHIRVINSKAYA, M. A. p 252 A86-36219

Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations

p 54 N86-14858

SHISHOV, B. V.

A differential evaluation of the mechanism of the effect of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)

p 10 A86-11750

Determination of the lumped constant and the kinetic constants for deoxyglucose and fluorodeoxyglucose in

IDE86-0003171 SHIVELY, R. J.

p 118 N86-18978

The effects of stimulus modality and task integrality: Predicting dual-task performance and workload from p 436 N86-32981 single-task levels SHKLOVSKIY, I. S.

Shklovskiy discusses possibility of extraterrestrial p 157 N86-20444

SHKOLNIK, R. Y. Investigation of reactogenic and antigenic activity of

chromatographically purified, concentrated and inactivated dry vaccine against tick borne encephalitis p 119 N86-19837

SHLYKOV, V. IU. The alleviating effect of arbitrary movements on the vestibulomotor p 216 A86-30898

SHMELEVA. A. M. Possibility of optimizing respiratory activity by means of biocontrol

SHORIN, IU. P. The mechanism of the adaptogenic effect of tocopherol

in prolonged cold exposure p 414 A86-49367 SHORTANOVA, T. KH.

Proteins and RNA in the neuron-neuroglia system of n. raphe dorsalis neurons of the ground squirrel brain durin hibernation p 26 A86-14593 SHRADER, S.

p 298 N86-26852 The organic aerosols of Titan SHRAMEK, S.

Test of erythrocyte antigen diagnostic agent for detecting antibodies to coxiella burnetti p 218 N86-23231 SHRIVER, T. G.

The effect of breathing elevated CO2 gas mixtures on tracking performance, blood pressure, and subjective tolerance at 1Gz

[AD-A1659741 p 401 N86-31210 SHTYKHNO, IU. M.

Microcirculatory changes in rats with burn shock following adaptation to high-altitude hypoxia D 81 A86-22547

SHULER, M. L.

Carbon dioxide evolution rate as a method to monitor and control an aerobic biological waste treatment p 151 N86-19930

SHULZHENKO, E. B. Preliminary medical results of the 5-month flight onboard

(IAF PAPER 84-1841 p 10 A86-12362

Periodisation and classification of adaptive reactions of man in prolonged space flights

[IAF PAPER 84-185] p 10 A86-12363

SHUMATE, W. H.

Human physiological adaptation to extended Space Flight and its implications for Space Station p 110 A86-23502 [SAE PAPER 851311]

SHUMILOVA, T. Y.

Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in

nitrogen-oxygen mixture at elevated pressure p 5 N86-10761

SHUPERT, C. L.

Tachygastria and motion sickness p 32 A86-14315 SHURATOVA. S. A.

Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations

p 54 N86-14858

SHVETS, V. N.

Changes in physical condition, vestibular function and bone system of rats submitted to long-term rotation p 54 N86-14857

Effect of 24,25-dihydroxyvitamin D3 on osteogenetic p 56 N86-15877 precursor cells in immobilized rats Comparison of bone reactions of rats submitted to clinostatic and antiorthostatic hypokinesia

p 174 N86-21125 Effect of diphosphonates on bones of hypokinetic rats p 279 N86-27890

SHVYADAS, V. K.

Protein-protein interactions in systems with synthetic p 210 N86-23225 polyelectrolytes SIBLEY, M. H.

Evolutionary

significance osmoregulatory of p 307 N86-26898 mechanisms in cyanobacteria SIDOROV, Y. A.

Individual typological features of autonomic reactions during autogenic training in polar expedition members in p 13 N86-10748 period of wintering in Antarctica Adaptation of man to extreme conditions of Antarctica p 13 N86-10751

SIDORYAK, N. G.

External respiration, gas exchange, and blood oxygen arameters in acute methemoglobinemia

p 415 N86-32082 DRIC-T-76631

SIEGEL, R. M.

Encoding of spatial location by posterior parietal p 27 A86-14714

SIERING, G. D.

In search of a time-sharing ability in zero input tracking p 227 A86-29882 analyzer scores

SILBERBERG, R.

Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168 SILCHENKO, K. K.

Mechanism of adaptogenic action of prickly eleuterococcus on man during heat stress

p 14 N86-10757

SILVERSTEIN, L. D. The development and evaluation of color systems for airborne applications: Fundamental visual, perceptual and display systems considerations

[AD-A168563] p 443 N86-33020

SIMCOX, L. S.

Blood pressure levels of active pilots compared with p 33 A86-14318 those of air traffic controllers SIMERLY, C.

Fertilization, development and spicule formation in sea urchins under conditions of constant reorientation relative to the gravitation axis p 195 A86-30406

Microtubule configurations during fertilization, mitosis, and early development in the mouse and the requirement for egg microtubule-mediated motility during mammalian p 371 A86-40674 fertilization

Nuclear lamins and peripheral nuclear antigens during fertilization and embryogenesis in mice and sea urchins p 371 A86-40675

SIMMONS, D. J.

Effect of rotopositioning on the growth and maturation of mandibular bone in immobilized Rhesus monkeys p 106 A86-25659

Electron microprobe analyses of Ca, S, Mg and P distribution in incisors of Spacelab-3 rats

p 202 A86-30455 Bone maturation in rats flown on the Spacelab-3 p 205 A86-30479 SIMON, J.

Plasma lactate and ventilation thresholds in trained and untrained cyclists p 215 A86-30678 SIMONOV, L. G.

of Informativeness echo signal in pulsed ultrasonography of the brain (with use of model) p 66 N86-15887

SIMONOV, P. V.

Theoretical principles underlying the evaluation, control, and correction of the impact of emotions on cosmonaut p 403 A86-44601 SIMONOVA, T. G.

Thermoregulatory reactions to chilling in ice-cold water

in fans of winter swimming p 90 A86-22544 SIMONS, J. C. Concept flying - A method for deriving unique system

requirements p 143 A86-23738 The use of reflective SWAT for workload assessment p 144 A86-23747

SIMPSON, C. A.

Comparison of voice types for helicopter voice warning ystems

p 147 A86-26030 [SAE PAPER 841611] Advanced technology - New fixes or new problems? p 147 A86-26031

Selecting cockpit functions for speech I/O technology p 185 A86-28446 Speech variability effects on recognition accuracy

associated with concurrent task performance by pilots p 237 A86-29860

Pilot speech performance while talking to a speech recognizer and flying a competitive helicopter pursuit

[SAE PAPER 851779] p 264 A86-35441

SIMPSON, R. L., JR.

A computer model of case-based reasoning in problem solving: An investigation in the domain of dispute mediation

[AD-A158097] o 73 N86-15912 SINDAROVSKAIA, I. N.

Mechanism of noradrenaline effect on the skin thermoreceptors p 103 A86-23491 Development of responses to noradrenalin injection in p 373 A86-43424 control and cold-adapted rats SINGER. E.

A new application of adaptive noise cancellation p 99 A86-22626

SINGH, M. M.

Medical evaluation of cosmonauts - Physiological stress testina p 11 A86-12427

Evaluation of precordial mapping before and after submaximal exercise amongst normal and asymptomatic subjects with non specific ST-T abnormalities

p 251 A86-35290 SINGH. M. V.

Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute hypobaric hypoxia p 246 A86-35863

SINHA, A. A. Solute conductance of blood-gas barrier in hamsters exposed to hyperoxia p 391 A86-44195

SINITSINA, T. M. Heart and respiration rates during a mental task performed with varying degrees of succes

p 254 A86-36526

SINITSYNA, T. M. The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation

p 216 A86-30895

SINYAVSKIY, Y. A. Some aspects of human amino acid metabolism at high p 175 N86-21136

SIPPEL W G Serum levels of eleven steroid hormones following

p 8 A86-10259 SIRENKO, S. P.

Dynamics of the cupula in the semicircular canal of the vestibular analyzer p 421 A86-49339 SIROTA, M. G.

Human body biomechanics and movements after 120-day antiorthostatic hypokinesia p 60 N86-14851 Effect of immersion hypokinesia on characteristics of programmed voluntary movements p 173 N86-21119 SJOSTROM, M.

A multivariate study of the relationship between the genetic code and the physical-chemical properties of amino acids p 104 A86-23997

SKOOG, A. I.

BLSS, a European approach to CELSS [SAE PAPER 851391] p 14 p 141 A86-23569

BLSS, a European approach to CELSS

p 148 N86-19908

SKOROMNYI, N. A. Circulation and oxygen tension in the brain of wakeful rabbits in conditions leading to motion sickness

p 373 A86-43422

SKRUPSKIY, V. A.
Electric sleep method of preventing fatigue build-up in sailors on extended cruises p 235 N86-23248 SKVORTSOV. V. G.

The photobiological aspects of radiation damage in colle p 392 A86-44295

SLAGA, T. J.

[AD-A159728]

Chemical characterization and toxicologic evaluation of airborne mixtures: Tumorigenicity studies of Diesel Fuel-2, Red Smoke Dye and Violet Smoke Dyes in the SENCAR Mouse Skin Tumorigenesis Bioassay System

p 114 N86-18962

SLEEPER, L. A.

Effect of wearing chemical protective clothing in the heat on signal detection over the visual field p 145 A86-25657 [AD-A164945]

Effects of wearing NBC (Nuclear, Biological and Chemical) protective clothing in the heat on detection of visual signals [AD-A162321]

p 224 N86-24202

SLEPUSHKIN, V. D. Modern concepts regarding some nontraditional neuroendocrine mechanisms of stress

p 49 A86-16800 SLINEY. D. H.

Magnetic-field hazards bibliography, 2nd edition p 107 N86-18955 [AD-A160154]

SLIUSAR, I. B. The effect of centedrin on the work capacity of operators p 426 A86-49371

SLIWA, N. U.			
Design for a goal-oriented	telerobotic	system	ı
[AIAA PAPER 86-2090]	D	429 A	86-47440

SLOAN, S. J. The impact of life events on pilots - An extension of Alkov's approach p 18 A86-10260

SLOCUM, T. Morphological and biochemical changes in soleus and extensor digitorum longus muscles of rats orbited in

Spacelab 3 p 203 A86-30464 SLONIM. A. D.

The effect of short term hypoxia on body temperature and lactic acid in blood p 81 A86-22595 SLONIM, A. R.

Comparative biodynamic response of two primate species to the same vibrational environment [AD-A1606791 p 1 A86-10252

SLOWIACZEK, L. M.

Effects of speech rate and pitch contour on the perception of synthetic speech p 234 A86-31824 p 234 A86-31824 SLUSHER, W. M.

Instrument lighting levels and AN/AVS-6 usage [AD-A161538] p 187 N86-21148 SLYNKO, P. P.

The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453 Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872

SMAKOLINA, E. IU. Antistress effect of 1-chlormethylsilitrane

p 105 A86-24309

SMALL, R. L. The first cortical implant of a semiconductor multielectrode array. VER (Visual Evoked Responses) and propagation analysis

[AD-A164015] p 248 N86-25972 SMELAND, E. B.

Analyses of maximum cardiopulmonary performance during exposure to acute hypoxia at simulated altitude -Sea level to 5000 meters (760-404 mm Hg)

p 60 A86-18839 SMERNOFF, D. T.

Controlled Ecological Life Support Systems: CELSS 985 Workshop [NASA-TM-88215] p 148 N86-19906

Observations on gas exchange and element recycle within a gas-closed algal-mouse system

p 150 N86-19924 SMETANIN, B. N.

The alleviating effect of arbitrary movements on the vestibulomotor p 216 A86-30898

SMIRNOV, K. M. Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with different occupations p 34 A86-15520

SMIRNOV, K. V. The role of gravity in producing digestive system changes

Functional state of the pancreas under conditions of prolonged bed rest p 421 A86-49271 SMIRNOV, V. V.

Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water

p 61 N86-14854 SMIRNOVA, A. N. Effect of different doses of ultraviolet radiation on vitamin

levels in man p 287 N86-27893 SMIRNOVA, N. P.

Rat brain impedance in stationary magnetic field p 174 N86-21128 SMIRNOVA, T. A.

Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with different occupations p 34 A86-15520 SMITH, A. H.

Skeletal mass change as a function of gravitational loading p 192 A86-30380 Chronic acceleration and egg production in domestic

p 193 A86-30392 SMITH A T Velocity coding - Evidence from perceived velocity

p 94 A86-20900 SMITH, B. A. The optimum presentation of cognitive training during

a flight training program p 130 A86-23731 A control theory model of aviator behavior

p 232 A86-29913 SMITH, C. A.

Carotid bodies are required for ventilatory acclimatization to chronic hypoxia p 206 A86-30682 SMITH, D. E.

Statistical research on problems of biodynamics [AD-A157993] p 67 N86-15899 SMITH, D. M.

Aerosol deposition along the respiratory tract at zero gravity - A theoretical study p 213 A86-30169 Toxicological study of NTO

[DE86-003296] p 258 N86-25986 SMITH, G. K.

The use of thoracic impedance for determining thoracic blood volume changes in man p 87 A86-20406 SMITH J J

The use of thoracic impedance for determining thoracic blood volume changes in man p 87 A86-20406 SMITH, K. C.

Effect of rotopositioning on the growth and maturation of mandibular bone in immobilized Rhesus monkeys

p 106 A86-25659 The effects of ketamine on Rhesus monkey skeletal dynamics [AD-A162848]

p 213 N86-24189 SMITH, K. M.

Experimental, structural and theoretical models of bacteriochlorophylls a, d and g [DE86-001727] p 158 N86-21101

SMITH, L. A. Cloning and analysis of genes for anthrax toxin components

[AD-A161901] p 212 N86-24186 SMITH, P. Task parameters affecting individual differences in

pursuit and compensatory tracking performance p 95 A86-20972

SMITH, P. E.

review of critical in-flight events research methodology p 228 A86-29886 SMITH, R. C.

Response of amphibian egg non-yolk cytoplasm to gravity orientation p 195 A86-30407 SMITH, R. L.

Aspects of the biogeochemistry of Big Soda Lake, Nevada p 51 A86-18031 SMITS, G.

Effect of head-out water immersion on response to exercise training p 396 A86-44194 SMOLIN, L. N.

The effects of cerebral hypoxia and hyperventilatory hypocapnia on the epileptiform activity in the cerebral

cortex of cats p 392 A86-45318 SNELL, M. K. The effects of psychophysical matching on the transfer

of training between alternative motion simulators p 232 A86-29919

Tactual cuing can produce better performance than p 239 A86-29920 SNITKO, V. M.

The use of reflex therapy in the prophylaxis and treatment of motion sickness p 31 A86-13300 SNODGRASS, H. L, JR.

Health hazard evaluation of liquid monopropellants. Phase 5: Comparative inhalation toxicities of LGP 1776, LGP 1845, and HAN (hydroxylammonium nitrate) [AD-A159090] p 40 N86-13891

SNYDER, D. E. Incorporating human operator considerations into existing weapon system analysis and quantification capabilities p 184 A86-28438

SOBOLEV, V. I. Phases of muscular thermogenesis under experimental

hyperthyrosis p 373 A86-43425 SOBOLEVSKIY, V. I.

Vestibular resistance and blood circulation changes in orthostatic position during hyperthermia

p 14 N86-10758

SOKOLOV, V. A. The photobiological aspects of radiation damage in cells p 392 A86-44295

SOKOLOV, V. S. The rhythms of paramagnetic-center concentration in mouse liver and a mathematical model of synchronized autooscillations

p 247 A86-36497 SOKOLOV, Y. I.

Effect of emotional stress on hemostasis system of healthy persons p 19 N86-10745 SOKOLOVA, E. N.

Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423 SOKOLOVA, I. V.

Biophysical basis of the two-component analysis of biosignals of the pulsed filling of the blood vessel p 34 A86-15517

Automatic determination of cardiac output from rheogram of the trunk p 66 N86-15889 SOLGAARD, L.

Growth and development of mice and rats conceived and reared at different G-intensities during chronic centrifugation p 195 A86-30403 SOLIGNAC, G.

Some psychological aspects of air sickness p 131 A86-24508

SOLOMIN, G. I.

Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890

Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when heated

SOLOVEV. A. I.

Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257

SOLOVYEV. A. N.

TV monitoring control system in electrophysiological studies p 14 N86-10765

SOLOYEVA, M. N.

Production of gamma- and alpha-interferon by human blood leukocytes under successive induction conditions p 217 N86-23229

SOMMER, R. Implications of privacy needs and interpersonal distancing mechanisms for space station design

[NASA-CR-176938] p 408 N86-30338 SONG, S.-Y.

Cerebral thrombosis at altitude - Its pathogenesis and the problems of prevention and treatment

p 87 A86-20410

SONNENFELD, G. Effect of flight in mission SL-3 on interferon-gamma production by rats p 204 A86-30467 Enhancing effects of gamma interferon on phagocytic cell association with and killing of Trypanosoma cruzi

p 371 A86-40666 Development and testing of a mouse simulated space flight model

[NASA-CR-176359] p 29 N86-13878

SOOHOO, J. B.

The role of reabsorption in the spectral distribution of phytoplankton fluorescence emission p 50 A86-16924 SORKIN, R. D.

Alerted monitors: Human operators aided by automated detectors [PB85-222750]

p 47 N86-13906 SOROCHENKO, R. L.

A search for interstellar glycine p 274 A86-33668 SOROKINA, A. V.

Possible effect of hyperlipemia on the development and course of atherosclerosis in flight personnel

p 90 A86-22568 SOROKO, S. I.

Adaptation of man to extreme conditions of Antarctica p 13 N86-10751 SOSNAY, R. G.

Growth evolution of the Space Station ECLSS

AIAA PAPER 86-2313] p 407 A86-46943 SÕTO, M. A.

Conservation of the secondary structure of protein during evolution and the role of the genetic code

p 372 A86-41047 SOUDER, M. E.

The effects of ketamine on Rhesus monkey skeletal dynamics [AD-A162848] p 213 N86-24189

SOUTHWARD, G. M. Mild hypoxia and visual performance with night vision p 249 A86-33755 goggles SOUŽA, K. A.

A marsupial model for the investigation of gravitational Amphibian fertilization and development in gravitational development in the control of the contr effects on early development microgravity p 195 A86-30408

SOWDERS, L Correlation between plasma fibronectin level and experimental rat heat stress mortality

[AD-A160943] p 1 A86-10101 SPACH, G.

Search for chiral molecules and optical activity in extraterrestrial systems. The Cassini mission opportunity p 387 N86-28871

SPADY, A. A., JR. Visual scanning behavior n 178 A86-28452 Analytical techniques of pilot scanning behavior and their

application [NASA-TP-2525] p 292 N86-27920

SPANGENBERG, D. Effects of clinostat rotation on Aurelia statolith p 199 A86-30436

SPÄNGENBURG, R. In the beginning . . . there was clay?

p 297 A86-38624

SPAUL, W. A. Effect of hydration on some orthostatic and

haematological responses to head-up tilt p 419 A86-49225

SPENCER, M. B.
SPENCER, M. B.
Performance overnight in shiftworkers operating a day-night schedule p 179 A86-29095 SPENGLER, J.
Assessment of individual human exposures to ozone
in a health study [PB85-245975] p 94 N86-17984
SPENGLER, J. D.
Analysis of health effects resulting from population exposures to ambient particulate matter. Health and environmental effects document, 1985
[DE86-002161] p 225 N86-24208 SPERLING, L.
Anthropometry research program [FOA-C-50032-H2] p 386 N86-29511
SPICUZZA, R. J.  Development of an automated anthropometric data
measurement system (AADMS) p 144 A86-23748
An automated methodology for conducting human factors evaluations of protective garments p 268 A86-33817
SPIERS, D. E.
Ontogeny of homeothermy in the immature rat - Metabolic and thermal responses p 246 A86-36221 SPIKER, A.
Selecting color codes for a computer-generated
topographic map based on perception experiments and functional requirements p 237 A86-29866
Luminance contrast requirements for legibility of symbols
on computer-generated map displays in aircraft cockpits p 237 A86-29869
Effects of adaptation and display luminance on CRT
symbol recognition time p 240 A86-32315 SPINA, L
Comparison of CO2 reduction process - Bosch and Sabatier
[SAE PAPER 851343] p 139 A86-23530 SPINWEBER, C. L
Benzodiazepine activity: Daytime effects and the sleep EEG
[AD-A158702] p 63 N86-14879
L-tryptophan administered to chronic sleep-onset insomiacs: Late-appearing reduction of sleep latency
[AD-A163115] p 225 N86-24207 SPIRICHEV, V. B.
Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893
SPIVAK, D. L.
Use of a linguistic test in the course of large-scale physiological selection of men for work in an adverse
environment p 35 A86-15523
SPRENKLE, J. M.  Quantitative evaluation of human arterial baroreceptor reflexes
[IAF PAPER 85-317] p 36 A86-15827
Device for rapid quantification of human carotid baroreceptor-cardiac reflex responses
p 162 A86-28125
SPROGIS, H. L. Fitness-for-duty, a pilot's viewpoint
p 232 A86-29925 SREETHARAN, M.
User interface description of a gas turbine control system
[ASME PAPER 86-GT-296] p 433 A86-48309 SRINIVASAN, R.
An analysis of estimation of pulmonary blood flow by the single-breath method p 413 A86-47872
SRINIVASAN, S.
A comparative study of prebiotic and present day translational models p 303 N86-26877
ST. JOHN, W. M.
Responses of bulbospinal and taryngeal respiratory neurons to hypercapnia and hypoxia p 3 A86-12381
Changes in antidromic latencies of medullary respiratory neurons in hypercapnia and hypoxia p 3 A86-12382
ST.WECKER, P. G. R.
Production and characterization of antibodies to benzo(a)pyrene

```
[DE86-002204]
                                                                      p 222 N86-2
[DE80-WZEVY,
STAESSEN, J.
Plasma levels of renin, angiotensin II,
6-ketoprostaglandin F1-alpha in endurance athletes
p 8 A86-11
STAGGS, C. M.

A comparison of postmortem coronary atheroscle findings in general aviation pilot fatalities
[AD-A159811] p 93 N86-1
                                                                       p 93 N86-1
STALLA, G. K.
Serum levels of eleven steroid hormones follow
p 8 A86-10
```

SPENOEN, M. D.		PERSONAL AUTHOR INDEX
SPENCER, M. B.	STANISLAVSKIY, Y. S.	ATTTTO K A
Performance overnight in shiftworkers operating a	Effect of plasmids on virulence of pseudomonas	STETTER, K. O.  Thermophilic archaebacteria occurring in submarine
day-night schedule p 179 A86-29095	aeruginosa strains in mouse experiments	hydrothermal areas p 51 A86-18034
SPENGLER, J.	p 210 N86-23237	STEVENS, K. E.
Assessment of individual human exposures to ozone	STANLEY, D.	Stimulation of brain muscarinic acetylcholine receptors
in a health study [PB85-245975] p 94 N86-17984	Intelligent crew workstations p 406 A86-44532	acutely reverses radiogenic hypodipsia
SPENGLER, J. D.	STARIKOV, L. I.	[AD-A167057] p 156 A86-29096 STEVENS, K. W.
Analysis of health effects resulting from population	Investigation of the functional condition of pilots in the case of oxygen breathing under excess pressure	Single sinusoids compared with a multiple-sinusoids
exposures to ambient particulate matter. Health and	p 88 A86-22525	technique for evaluating horizontal semicircular canal
environmental effects document, 1985	STARK, L. W.	function p 395 A86-44089
[DE86-002161] p 225 N86-24208 <b>SPERLING, L.</b>	Adapted head- and eye-movement responses to	Computer analysis of visual and vestibular oculomotor
Anthropometry research program	added-head inertia p 250 A86-33758	function in the medical selection of fighter aircrew members p 400 N86-30319
[FOA-C-50032-H2] p 386 N86-29511	STARKEN, G. M.	members p 400 N86-30319 STEVENSON, G. F.
SPICUZZA, R. J.	Magnetic separation device	New developments in on board oxygen generators
Development of an automated anthropometric data	[AD-D012163] p 249 N86-25975 STAUNTON, B.	p 430 A86-47740
measurement system (AADMS) p 144 A86-23748	On-orbit manipulators - Sensory and control	STEVENSON, J.
An automated methodology for conducting human factors evaluations of protective garments	approaches	The effect of high energy (HZE) particle radiation (Ar-40)
p 268 A86-33817	[AIAA PAPER 86-2185] p 429 A86-47467	on aging parameters of mouse hippocampus and retina p 50 A86-17679
SPIERS, D. E.	STAVELAND, L.	Reduction of the spermatogonial population in rat testes
Ontogeny of homeothermy in the immature rat -	Memory and subjective workload assessment	flown on Space Lab-3 p 203 A86-30466
Metabolic and thermal responses p 246 A86-36221 SPIKER, A.	p 437 N86-32983	STEWARD, K. K.
Selecting color codes for a computer-generated	STAZHADZE, L. L.  Experimental arrhythmia and its prevention	US Department of Agriculture/Corps of Engineers
topographic map based on perception experiments and	p 174 N86-21129	cooperative aquatic plant control research. Annual report for FY 1983; chemical control technology
functional requirements p 237 A86-29866	STEEL, L. K.	[AD-A161867] p 212 N86-24184
Luminance contrast requirements for legibility of symbols	Hematopoiesis in conventional mice after wound	STEWART, G. K.
on computer-generated map displays in aircraft cockpits	trauma	Canadian developments in aircrew chemical defence
p 237 A86-29869	[AD-A160436] p 108 N86-18959	protection p 97 A86-19342
Effects of adaptation and display luminance on CRT symbol recognition time p 240 A86-32315	STEFANOV, A. V.	STEWART, J. E., II
SPINA, L.	Mechanisms of calcium permeability changes in the	Learning and performance in an air refueling part-task trainer - Preliminary data analysis p 260 A86-33796
Comparison of CO2 reduction process - Bosch and	sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257	STEWART, R. L.
Sabatier	STEFFEN, J. M.	Orbital flight test of the manned maneuvering unit
[SAE PAPER 851343] p 139 A86-23530	Thymic involution in the suspended rat - Adrenal	p 98 Å86-21068
SPINWEBER, C. L. Benzodiazepine activity: Daytime effects and the sleep	hypertrophy and glucocorticoid receptor content	STICKFORD, G. H., JR.
EEG	p 106 A86-25660	An engineering analysis of a closed cycle plant growth module p 150 N86-19919
[AD-A158702] p 63 N86-14879	Altered carbohydrate metabolism in the whole body	module p 150 N86-19919 STINEMETZ, C. L.
L-tryptophan administered to chronic sleep-onset	suspended rat p 199 A86-30431	Correlated changes in calmodulin activity and gravitropic
insomiacs: Late-appearing reduction of sleep latency	Effect of seven days of spaceflight on hindlimb muscle	sensitivity in roots of maize p 197 A86-30422
[AD-A163115] p 225 N86-24207	protein, RNA and DNA in adult rats p 204 A86-30471	STOCK, T. H.
SPIRICHEV, V. B.  Effect of different doses of ultraviolet radiation on vitamin	STEFFLER, J. C. Tactical Life Support System (TLSS) aircrew integrated	Health effects of ambient ozone exposure in vigorously
levels in man p 287 N86-27893	garment p 431 A86-47746	exercising adults {PB86-156940} p 258 N86-25989
SPIVAK, D. L.	STEIN, W.	[PB86-156940] p 258 N86-25989 STODDARD, I. A.
Use of a linguistic test in the course of large-scale	Evaluation of man-machine systems - Introduction and	A computer model of driver response
physiological selection of men for work in an adverse	overview p 432 A86-47767	[UTIAS-293] p 72 N86-15911
environment p 35 A86-15523 SPRENKLE, J. M.	STEINBERG, S.	STOECKENIUS, W.
Quantitative evaluation of human arterial baroreceptor	Isoleucine stereoisomers on the earth	Photoconversion from the light-adapted to the
reflexes	p 154 A86-26198 STEINMAN, A. M.	dark-adapted state of bacteriorhodopsin p 374 A86-43434
[IAF PAPER 85-317] p 36 A86-15827	A comparison of the protection against immersion	Transient proton inflows during illumination of anaerobic
Device for rapid quantification of human carotid	hypothermia provided by Coast Guard anti-exposure	Halobacterium halobium cells p 374 A86-43436
baroreceptor-cardiac reflex responses	clothing in calm versus rough seas	Photoactive pigments in halobacteria from the Gavish
p 162 A86-28125 SPROGIS, H. L.	[AD-A158413] p 75 N86-14898	Sabkha p 415 A86-49998
Fitness-for-duty, a pilot's viewpoint	STENKO, Y.  Electric sleep method of preventing fatigue build-up in	The rhodopsin-like pigments of halobacteria - Light-energy and signal transducers in an
p 232 A86-29925	sailors on extended cruises p 235 N86-23248	Light-energy and signal transducers in an archaebacterium p 415 A86-50271
SREETHARAN, M.	STEPANENKO, A. G.	Photoenergy transduction in halobacterium halobium
User interface description of a gas turbine control	Some characteristics of epizootic process in	[NASA-CR-176673] p 248 N86-25970
system [ASME PAPER 86-GT-296] p 433 A86-48309	hemorrhagic fever with renal syndrome	STOILOVA, I. M.
[ASME PAPER 86-GT-296] p 433 A86-48309 SRINIVASAN, R.	p 218 N86-23234 STEPANIAK, P. C.	Disturbances in the night sleep structure and organization and their significance in the
An analysis of estimation of pulmonary blood flow by	Anabolic steroids as a countermeasure against bone	organization and their significance in the adaptive-recuperation processes p 217 A86-32875
the single-breath method p 413 A86-47872	demineralization during space flight p 114 A86-25662	STOKES. A.
SRINIVASAN, S.	STEPANOV, R. P.	An exploratory study of computer-based aviator
A comparative study of prebiotic and present day	lonizing radiation and blood vessels	testing p 231 A86-29909
translational models p 303 N86-26877	p 105 A86-24144	STOKES, A. F.
ST. JOHN, W. M. Responses of bulbospinal and laryngeal respiratory	STEPHENSON, L. A.  Effect of nerve block on response of forearm blood flow	Age-dependent changes in information processing
neurons to hypercapnia and hypoxia p 3 A86-12381	to local temperature p 418 A86-47873	abilities between 20 and 60 years p 260 A86-33788
Changes in antidromic latencies of medullary respiratory	Environmental stress after atropine treatment	STOKES, B. O.  The development of an unconventional food
neurons in hypercapnia and hypoxia p 3 A86-12382	[AD-A161923] p 223 N86-24197	regeneration process: Quantifying the nutritional
ST.WECKER, P. G. R.	Thermoregulation after atropine and pralidoxime	components of a model methylotrophic yeast
Production and characterization of antibodies to	administration	p 151 N86-19928
benzo(a)pyrene	[AD-A165868] p 397 N86-30304 STERK, W.	STOKKE, K. T.
[DE86-002204] p 222 N86-23271 STAESSEN, J.	Effects of intermittent exposure to hyperoxia in	Psychological and physiological stress reactions among
Plasma levels of renin, angiotensin II, and	operational diving p 123 N86-19868	sports diver-students p 124 N86-19875
6-ketoprostaglandin F1-alpha in endurance athletes	STERN, J.	STOLBKOV, Y. K.
p 8 A86-10111	A psychophysiological mapping of cognitive processes	Nystagmus as related to utricular function p 61 N86-14862
STAGGS, C. M.	[AD-A158732] p 43 N86-13895 STERN, R. M.	STOLP, B. W.
A comparison of postmortem coronary atherosclerosis	Tachygastria and motion sickness p 32 A86-14315	Pulmonary gas exchange in humans exercising at sea
findings in general aviation pilot fatalities	Vection-induced gastric dysrhythmias and motion	level and simulated altitude p 419 A86-47874
[AD-A159811] p 93 N86-17982	sickness	STOLZ, J. F.
STALLA, G. K.  Serum levels of eleven steroid hormones following	[NASA-CR-176620] p 176 N86-22095	The microbial community at Laguna Figueroa, Baja
motion sickness p 8 A86-10259	STERNBERG, R. J.	California Mexico - From miles to microns
STANDERWICK, J. M.	Components of verbal intelligence [AD-A163359] p 290 N86-26828	p 26 A86-14124 STONE, G.
A lightweight impermeable suit for chemical protection	[AD-A163359] p 290 N86-26828 <b>STESKAL, J.</b>	Flight deck design methodology using computerized
in warm conditions: A preliminary look at the concept	Transient dehydration of lungs in tail-suspended rats	anthropometric models
[AD-A164687] p 295 N86-26839	p 200 A86-30438	[SAE PAPER 841472] p 146 A86-26003
	·	,

STONE, H. L.

Cardiac response of submaximal exercise in dogs susceptible to sudden cardiac death p 1 A86-10107 STONE, L. W.

In search of a time-sharing ability in zero input tracking analyzer scores p 227 A86-29882 STONE, R. B. Human performance aspects of accident investigation

STONER, G. D. Bioassay of military relevant compounds carcinogenic activity by the strain A mouse lung tumor hinassay

p 233 A86-29931

p 93 N86-17981

[AD-A156772] STORCH, N. A.

Striving for natural usage [DE86-009402]

p 435 N86-32105 STORER, J. B.

Radiation induction of cancer of the skin [DE86-002201] p 221 N86-23270

STORK, D. G.

Determination of symmetry and phase in human visual response functions: Theory and experiments

p 15 N86-10769

STOTT, J. R. R.

The desensitisation of chronically motion sick aircrew in the Royal Air Force p 59 A86-18832

STOUGHTON, R. S.

Duty-cycle analysis of a human-controlled manipulator p 137 A86-23424

STOYANOV, A. P.
Influence of shipboard environmental factors on conditioned reflex activity of experimental animals during p 278 N86-27873 a long voyage STRACIMIR, G.

Hyberbaric oxygen in the treatment of Bell's pals p 124 N86-19870

STRASSER, R. J.

A theoretical concept for state changes and shape p 387 N86-29516 changes in weightlessness STRATTAN, R.

Teratogenic effects of microwave radiation [PB85-207462] p 7 p 7 N86-11837

STRAUCH, B.

Cockpit resource management - Where do we stand? p 229 A86-29898

STRAUSS, P. R.

Lymphocyte activation - regulatory substances [AD-A162683]

STRAYER D

Age-dependent changes in information processing bilities between 20 and 60 years p 260 A86-33788 STRELTSOVA, E. N.

Blood circulation changes in the carotid arteries pool caused by antiorthostasis and nd antiorthostatic p 27 A86-15513 hypokinesia The effect of intense mental work under stress on cardiac activity, hemodynamics, and brain circulation

p 216 A86-30895

STREUFERT, S.

Data collection via a quasi-experimental simulation technology. Part 1: Multiple measurement of performance excellence in complex and uncertain managerial tasks [AD-A167949] p 428 N86-32969

STRIBLING, R.

Energy yields in the prebiotic synthesis of hydrogen cyanide and formaldehyde p 300 N86-26863 p 300 N86-26863 STRIGUNKOVA, T. F.

Simulation of thermal polycondensation processes of amino acids during the migration of their aqueous solutions in the earth's lithosphere p 274 A86-34489 STRITZ F.

EVA suit glove design

p 383 A86-40521 STROHAVER, R. A.

In vivo dermal absorption method and system for laboratory animals [AD-D012325] p 417 N86-32951

Prediction modeling of physiological responses and human performance in the heat

[AD-A160513] p 115 N86-18965

STROUD, C. Fertilization, development and spicule formation in sea urchins under conditions of constant reorientation relative

p 195 A86-30406 to the gravitation axis STRUCHKOVA, T. IA.

Functional state of the pancreas under conditions of p 421 A86-49271 prolonged bed rest STRUTHERS, N.

Implications of privacy needs and interpersonal distancing mechanisms for space station design [NASA-CR-176938] p 408 N86-30338

STRYBEL, T.

Evaluation of helmet display formats

p 184 A86-28440

STUART, D. G.

Cage-size and gender effects on fatigue in rats

p 198 A86-30430 Effects of muscle atrophy on motor control [NASA-CR-177201] p 288 N86-27913

STUCHLY, M. A. Studies of the electric field distribution in biological

bodies. Experimental dosimetry at radiofrequen p 249 N86-25976 STUCHLY, S. S.

Studies of the electric field distribution in biological bodies. Experimental dosimetry at radiofrequencies

[AD-A163156] p 249 N86-25976 STUDER, P. A.

Human pilot parameter identification for a simulated air-to-ground target acquisition task p 18 A86-10157 STUDLEY, S. A.

Isotopic, petrologic and biogeochemical investigations of banded iron-formations p 305 N86-26885 STUHR. L. B.

Increased inotropi of the heart in normoxic hyperbaric atmosphere p 123 N86-19869 STUPFEL M.

Biological parameters in Japanese quail genetically selected for resistance or sensitivity to an acute hypoxic gurvival p 2 A86-10256 STUPNITSKIY, V. P.

Some human reactions during 7-day antiorthostatic hypokinesia p 286 N86-27885 SUBOTOWICZ, M.

Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 SUDOH, M.

Modification of the resting oxygen consumption level of biological body and its tissues, during prolonged hypodynamics exposure p 194 A86-30398 hypodynamics exposure SUGGETT, A. J.

Role of hemoglobin P50 in O2 transport during normoxic and hypoxic exercise in the dog SUICH, D. M.

Response of enlarged alveolar vessels to acute p 378 A86-41785

SUITS, F. The organic aerosols of Titan p 298 N86-26852 SUKHOPYATKINA, A. A.

Clinico-epidemiological characteristics of Q fever in Carpathian foothills p 118 N86-19834

SUKHOVA, N. I.

Investigation of distinctions referable to growth, development and metabolism of Closteriopsis acicularis algae when cells are limited in nitrogen as related to biological life-support systems for man

SULTANOV, F. F.

Short term heat effect on adreno- and cholino-sensitivity of rat's small intestine p 4 N86-10754

SULTZER, B. M.

Immunomodulation by proteins of bordetella pertus [AD-A160078] p 107 N86-18953

SULZMAN, F. M.

Evaluation of the need for a large primate research facility in space [NASA-CR-179661] p 444 N86-32111

SUMAROKOV, A. A.

Investigation of reactogenic and antigenic activity of chromatographically purified, concentrated and inactivated dry vaccine against tick borne encephalitis

p 119 N86-19837

SUMIKAWA, D. A.

Design guidelines for the use of audio cues in computer IDF85-0151761 p 241 N86-23281

SUNAHARA, F. A.

The possible involvement of PGI2 in the PEEP-induced changes in cardiac output and blood pressure p 395 A86-44091

SUNDARAM, P. M.

Medical evaluation of cosmonauts during space flight and immediate pre and post flight periods p 251 A86-35287

SUNDETOV, ZH. S.

The dependence of thromboelastographic indices in healthy subjects on geomagnetic-field conditions p 90 A86-22545

SUNDUKOVA, M. B.

Antibiotic properties of bifidobacteria

p 219 N86-23236

SURIKOVA, L. Y.
Experimental evaluation of pathogenicity of different variants of lassa virus p 211 N86-23254 SURKINA, I. D.

Changes in immunity under stress

p 420 A86-49267

SURYANARAYANA, S.

Effect of exposure to heat, hypoxia, cold, acceleration, and vibration stress on the total blood sulfhydryl groups in human subjects p 33 A86-14319 in human subjects

SUTER, S.

General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886 SUTIN, N.

Application of electron-transfer theory to several systems of biological interest

[DE85-015835] p 55 N86-15860 SUTTON, S. B.

Suit penetration study: Preliminary analysis of flow about circular cylinder DE86-0057601 p 385 N86-28623

SUVOROV, N. F.

Role of dopaminergic systems of neostriatum during the activity of the central nervous system in man and animals p 208 A86-33070

SUZUKI, H.

Recent observations of organic molecules in nearby cold, dark interstellar clouds p 296 A86-38139 SUZUKI, T.

Effect of fasting on hypoxia tolerance of mice in relation to oxygen consumption and heart rate

p 52 A86-18840

SVEGZDIENE, D. V.

Investigations of higher plants under weightlessness p 192 A86-30388

SVENDSGAARD, D. J.

Using Ashford's general model to aid in the understanding of a pesticide's neurotoxic effect through pesticide drug mixture experiments [PB86-130028] p 226 N86-24211

SVENTEK, J. C.

Effects of 100 percent oxygen on the cardiovascular responses to vasoactive compounds in the dog

p 2 A86-10255

SVERDLOV, A. G.

The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb p 170 N86-21104 [BLL-CE-TRANS-8221-(9022.09] SWAN, H. J. C.

Laser ablation of human atheroscierotic plaque without idjacent tissue injury p 91 A86-22711

SWAN, K. G.

Forward field autotransfusion device

[AD-D011763] p 37 N86-12957 SWANTES, H. J.

Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated atients p 167 N86-21033 Local climatic particularities and their importance for

recreation area (example, Saarland-lower Bliestal) p 170 N86-21064

SWEENEY, J. R.

Effects of non weight bearing on callus formation

p 193 A86-30394

SWENSON, K. N. The effects of ketamine on Rhesus monkey skeletal

[AD-A162848] p 213 N86-24189

SWEZEY, R. W.

Human Factors Society, Annual Meeting, 29th, Baltimore, MD, September 29-October 3, 1985, Proceedings. Volumes 1 & 2 p 259 A86-33776 SYKES, J. J. W. Spinal cord decompression sickness - A comparison of

recompression therapies in an animal model p 372 A86-41784

SYLVESTRE, M. Continuous ECG monitoring of Mirage 2000 pilots

(comparison with Mirage 3 and F1 pilots) p 399 N86-30315 SZLYK, P. C.

Urinary and hematological indices of hypohydration p 289 N86-27917

SZUKALSKI B. W. Effects of gravitational and muscular loading on bone promation in growing rats p 194 A86-30396 formation in growing rats SZYCHER. M.

Development of an ultrafast-curing wound dressing [AD-A162471] p 177 N86-22099

Т

TABAKOVA, L. A.

Changes in physical condition, vestibular function and bone system of rats submitted to long-term rotation p 54 N86-14857

TABOADA, J.

Interactive scenario computer model for dose rates to aircrews in flight through nuclear debris clouds [AD-A158741] p 40 N86-13888

TACKER, W. A., JR.	TATSUOKA, M. M.	TERMOEHLEN, J.
Influence of inspired oxygen concentration on acceleration atelectasis	Bug distribution and pattern classification	Psychological recovery after incidents and accidents
[AD-A168540] p 253 A86-36313	[AD-A157898] p 95 N86-16899	within aviation p 232 A86-29924
TAGAMI, K.	Effect of low and high environmental temperatures on	TERSKOV, I. A.  Artificial closed ecosystem 'man-plants' with a full
Cold water immersion test of prototype anti-exposure	decompression sickness in the aging rat	regeneration of atmosphere, water and ration vegetable
suits for aircrews p 44 A86-13942 TAIRBEKOV, M. G.	p 126 N86-19884	part
Energy exchange of plants under weightlessness	TAYLOR, A. F.	[IAF PAPER 85-308] p 45 A86-15820
conditions p 30 N86-14162	Training aircraft accident investigators using simulations p 233 A86-29928	TETZLAFF, P.  Space Station design criteria for long-term human
Determination of increment of Bacillus subtilis biornass in weightlessness p 57 N86-15881	TAYLOR, G. R.	habitation
in weightlessness p 57 N86-15881 TAIROV, O. P.	Immunological analyses of U.S. Space Shuttle	[DGLR PAPER 85-147] p 269 A86-35185
The effect of high spatial frequencies on visual	crewmembers p 162 A86-29091	TEVES, M. A.  Comparison of male and female maximum lifting
recognition processes p 41 A86-15524	TAYLOR, H.	capacity and remaie maximum lifting
TAJIMA, F.  Changes in catecholamine excretion during physical and	The Sternberg memory search task as an index of pilot workload p 227 A86-29883	[AD-A160687] p 171 N86-21111
mental workload p 161 A86-28099	TAYLOR, H. L.	THACKRAY, R. I.
TAKAHASHI, S.	Comparison of the effects of atropine sulfate and ethanol	Complex monitoring performance and the coronary-prone type A behavior pattern
Investigation of Eustachianal function in JASDF pilots	on performance p 232 A86-29923	[AD-A168240] p 428 N86-32971
by new apparatus. I - On the pressural regulation of the Eustachian tube in normal human p 32 A86-13941	Antiemetic drugs and pilot performance [AD-A162109] p 224 N86-24200	THAL, A. E., JR.
TAKAHASHI, Y.	TAYLOR, W. F.	The influence of quality circles on attitudinal outcomes among civil engineering personnel
Wet-oxidation waste management system for CELSS	Airline pilot disability - The continued experience of a	[AD-A161152] p 136 N86-19905
[SAE PAPER 851398] p 141 A86-23575 TAKAO, K.	major U.S. airline p 8 A86-10251	THEIS, C. F.
Effect of low and high environmental temperatures on	Mode of neural control mediating rat tail vasodilation during heating p 28 A86-16055	A small oxygen concentrator [AD-A163145] p 273 N86-25993
decompression sickness in the aging rat	TAZETDINOV, I. G.	[AD-A163145] p 273 N86-25993 THIELE, W.
p 126 N86-19884 TAKASHIMA, Z.	Assessment of state of chronotropic and inotropic heart	Effects of hypodynamia and neuroemotional stress on
Psychological states of student pilots in flight training	function at different degrees of physical fitness	the performance of circulatory and respiratory systems
p 41 A86-13943	p 12 N86-10746 TEBBETTS, I.	during muscular work p 422 Å86-49919 THIMLING, K. R.
TALASH, M.	Demographic and anthropometric assessment of US	In vivo dermal absorption method and system for
Studies of radioprotective properties of adeturon and polyanion, applied separately and in combination	Army anthropometric data base	laboratory animals
p 208 A86-32699	[AD-A164637] p 295 N86-26838	[AD-D012325] p 417 N86-32951 THIRSK, R. B.
TALBOT, J. M.	TEDNER, B.	Canadian medical experiments on Shuttle Flight 41-G
A review of the psychological aspects of space flight p 179 A86-29090	Effects of gravity on the fluid balance and distribution in man p 214 A86-30383	p 110 A86-22996
Muscle atrophy during space flight - Research needs	TEDOR, J. B.	THODE, W. F.
and opportunities p 255 A86-37077	Molecular sieve oxygen generation system (MSOGS)	Development of a computer-managed readiness assessment system
Research opportunities on immunocompetence in	onboard the B-1B bomber p 430 A86-47737	[AD-A162931] p 236 N86-24215
space [NASA-CR-176482] p 180 N86-21138	Development of a portable oxygen system analyzer p 430 A86-47742	THOERMER, K.
TALLANT, S. H.	Test and evaluation of the B-1B molecular sieve oxygen	Hermes ECLSS - Review of general requirements and application to the spaceplane definition
Evaluation of a multi-method group treatment approach	generating system p 431 A86-47751	[IAF PAPER 85-304] p 45 A86-15817
for the management of stress [AD-A160813] p 135 N86-19897	TEETER, R.	THOMAS, C. B.
TAMURA, H.	USSR Space Life Sciences Digest, Issue 2 [NASA-CR-3922(02)] p 28 N86-12949	Improved monoclonal antibodies to halodeoxyuridine
Multi-component characterization of the human	[NASA-CH-3922(02)] p 28 N86-12949 USSR Space Life Sciences Digest, issue 3	[DE85-017764] p 92 N86-16891 THOMAS, C. M.
operator's control output p 241 A86-33186 TANAKA, D. T.	[NASA-CR-3922(03)] p 106 N86-18949	Ischemic cardiopathology in pilots - The risk, the
Opposing hemodynamic effects of substance P on	USSR Space Life Sciences Digest, issue 4	methods of detection and prevention
pulmonary vasculature in rabbits p 3 A86-12378	{NASA-CR-3922(04)} p 209 N86-23218 USSR Space Life Sciences Digest, issue 5	p 113 A86-24511 THOMAS, D.
TANAKA, K.	[NASA-CR-3922(05)] p 248 N86-25109	A practical attitude toward ventricular repolarization
A hierarchical model of pilot's procedural behavior for cockpit workload analysis p 263 A86-33983	USSR Space Life Sciences Diges: Index to Issues 1-4	abnormalities in flight crews p 282 A86-39773
TANIZAKI, Y.	[NASA-CR-3922(06)] p 248 N86-25971 USSR Space Life Sciences Digest, Issue 6	Normal or pathological coronary status - Reflections and practical experiences for expertise with flight personnel
Cerebral thrombosis at altitude - Its pathogenesis and	[NASA-CR-3922(07)] p 277 N86-27864	p 282 A86-39774
the problems of prevention and treatment p 87 A86-20410	USSR Space Life Sciences Digest, issue 7	THOMAS, D. A.
TANNENBAUM, E.	[NASA-CR-3922(08)] p 416 N86-32083 TEMPLETON, G. H.	Physical fitness as a moderator of cognitive work
Use of laboratory simulated pyrolysis in tracing the	Control of arachidonic acid release in chick muscle	capacity and fatigue onset under sustained combat-like operations
history of sedimentary organic matter p 304 N86-26884	cultures p 198 A86-30429	[AD-A160417] p 134 N86-18982
TARAN, V. A.	TEMURIANTS, N. A.	THOMAS, F.
Cosmonaut training p 293 A86-38988	The effect of a weak variable ultralow-frequency magnetic field on the development of hypercoagulation	Air ambulance regulations - A model
TARTER, J.	syndrome in rats caused by restricted mobility	p 405 A86-44094 THOMAS, G. J.
Observational exobiology p 298 N86-26850 The Berkeley Serendip Project p 309 N86-26906	p 79 A86-19300	A system of rat restraint using a cone-shaped, plexiglass
Goldstone field test activities: Target search	TENDLER, Y.  Central serous retinopathy (choroidopathy) in pilots	and stainless steel rod cage
p 309 N86-26911	p 254 A86-36317	[AD-A158428] p 83 N86-16876 THOMAS, R. G.
Vision test chart and method using Gaussians	TENFORDE, T. S.	Aerosol deposition along the respiratory tract at zero
[AD-D011756] p 20 N86-10778	Monitoring of circadian waveforms in rodents exposed to high-intensity static magnetic fields	gravity - A theoretical study p 213 A86-30169
Variable contrast direct read-out vision tester	[DE85-015225] p 28 N86-12952	THOMASON, R. N.
[AD-D012273] p 423 N86-32955 Night vision compatible illumination for vehicle	Biological effects and physical safety aspects of NMR	Production and characterization of antibodies to benzo(a)pyrene
crewmember workspace	imaging and in vivo spectroscopy [DE86-002966] p 213 N86-24190	[DE86-002204] p 222 N86-23271
[AD-D012339] p 443 N86-33018	[DE86-002966] p 213 N86-24190 TENNEY, R. R.	THOMPSON, E. H.
TATISHVILI, T. G.  Muscle vibrations and man-machine system dynamics	On the analysis and design of human information	Biomedical and Environmental Sciences Program
p 74 A86-18731	processing organizations [AD-A161015] p. 136 N86-19902	publications 1984 [DE85-015070] p 28 N86-12953
TATRO, J. S.	[AU-A161015] p 136 N86-19902 A procedure-based approach to human information	THOMPSON, H. L.
An integrated display for vertical and translational flight Eight factors affecting pilot performance	processing models	Physical fitness as a moderator of cognitive work
p 264 A86-36175	[AD-A162454] p 181 N86-21144	capacity and fatigue onset under sustained combat-like
TATSUOKA, K. K.	Modeling electrocardiograms using interacting Markov chains	operations [AD-A160417] p 134 N86-18982
Diagnosing cognitive errors: Statistical pattern	[AD-A162758] p 178 N86-22105	THOMPSON, L. H.
classification and recognition approach [AD-A158108] p 42 N86-12972	TERELAK, J.	Somatic cell and molecular genetics approach to DNA
Application of component scoring to a complicated	Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869	repair and mutagenesis [DE85-014181] p 4 N86-10737
cognitive domain	TERENTYEV, V. G.	[DE85-014181] p 4 N86-10737 THOMPSON, S. A.
[AD-A157897] p 95 N86-16898 Bug distribution and pattern classification	Special features of surgical intervention under conditions	The technology impact of the Advanced Technology
[AD-A157898] p 95 N86-16899	of weightlessness	Crew Protection (ATCP) system on high performance aircraft p 406 A86-44779
[7.5 (1.5 (0.5 )]	[AU-A167916] p 423 N86-32092	

tail-casted, suspended rats

Mechanical resistance of erythrocytes and oxygen mass transport in hypoxic states due to different conditions

Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242

TISHCHENKO, I. M.

TITENKO, M. M.

p 374 A86-43442

p 88 A86-21452

		TSANG, P. S.
THOMPSON, W. R.	TKACHENKO, B. I.	TORRE-BUENO, J. R.
The organic aerosols of Titan p 298 N86-26852 THOMSON, G. F.	Resistance, exchange and capacitance functions of	Pulmonary gas exchange in humans exercising at sea
Evaluation of water sterilizing tablets	skeletal muscle vessels in the presence of acute hypoxic	level and simulated altitude p 419 A86-47874
[AD-A165806] p 385 N86-28622	hypoxia p 81 A86-22593  Resistance, exchange, and capacitance functions of	TOSCANO, W. B.
THORMER, K.	skeletal muscle vessels in acute hypoxic hypoxia	General automatic components of motion sickness [NASA-CR-176516] p.126 Nas.19888
Environmental control and life support systems	p 379 N86-28611	[NASA-CR-176516] p 126 N86-19886 TOUCHSTONE, R. M.
p 406 A86-44534 THORNTON, D. C.	TKACHENKO, Y. A.	Complex monitoring performance and the
An investigation of the 'von Restorff' phenomenon in	Some characteristics of epizootic process in hemorrhagic fever with renal syndrome	coronary-prone type A behavior pattern
post-test workload ratings p 261 A86-33807	p 218 N86-23234	[AD-A168240] p 428 N86-32971
TIABENKOVA, V. F.	TKACHENKO, Y. Y.	TOWE, K. M. Habitability of the early earth - Clues from the physiology
The effect of 24-hr sleep deprivation on the metabolism	Efficiency of muscular work in white rats during	of nitrogen fixation and photosynthesis
of biogenic amines p 9 A86-10700 TIAZHELOV, V. V.	adaptation to cold p 5 N86-10763 TKACHUK, V. G.	p 25 A86-14117
The effect of electromagnetic radiation in the decimeter	The effect of prolonged physical work at the levels of	TOWNSEND, L. W.
wavelength range on the neuronal calcium current in	submaximal and extreme intensity upon the mass transfer	On the biological hazard of galactic antinuclei
mollusks p 247 A86-36494	and utilization of oxygen p 89 A86-22536	P 378 A86-43437
TIBBITTS, T. W.	TODD, P.	Altitude acclimatization attentuates plasma ammonia
Controlled environment life support system: Calcium-related leaf injuries on plants	Morphology of human embryonic kidney cells in culture after space flight n 201 ARC-30452	during submaximal exercise
[NASA-CR-176288] p 6 N86-11829	after space flight p 201 A86-30452 TOJA C., J.	[AD-A168630] p 425 N86-32962
Utilization of potatoes in CELSS: Productivity and	Conservation of the secondary structure of protein during	TRAEFF, P. A.
growing systems p 152 N86-19935	evolution and the role of the genetic code	The effects of the insulation properties of different dry suit systems on the diver's heat balance and comfort during
Controlled environment life support system: Growth	p 372 A86-41047	diving to 50 m p 121 N86-19856
studies with potatoes [NASA-CR-177400] p 434 N86-32101	TOKAREV, V. F.	TRANTER, G. E.
[NASA-CH-177400] p 434 N86-32101 TIEBER, J. A.	System developed for psychological selection of AT controllers p 69 A86-17062	Parity-violating energy differences of chiral minerals and
The state of the art of anthropomorphic manikins and	TOKAREVICH, N. K.	the origin of biomolecular homochirality
requirements for the evaluation of advanced aircraft	Test of erythrocyte antigen diagnostic agent for detecting	P 77 A86-17807
ejection systems p 98 A86-19345	antibodies to coxiella burnetti p 218 N86-23231	Visual-search efficiency p 271 A86-36695
TIGRANIAN, R. A.  Metabolic senects of the problem of atress is asset	TOKHTABAYEV, A. G.	TREDICI, T. J.
Metabolic aspects of the problem of stress in space flight p 105 A86-24136	T and B components of immunity in the presence of acute mountain sickness p 286 N86-27892	The effects of hypoxia induced by low atmospheric
TIKHONOV, M. A.	acute mountain sickness p 286 N86-27892 TOLAN, G. D.	pressure on soft contact lens wear
Hemodynamics during gravitational overloads	Analysis of the potential association between	[AD-A158556] p 38 N86-12963 Night vision manual for the flight surgeon
(mathematical modeling) p 12 N86-10739	noise-induced hearing loss and cardiovascular disease in	[AD-A159720] p 114 N86-18961
TIKHONOVA, G. P. Toxicological evaluation of gas emission from	USAF aircrew members p 250 A86-33760	Soft contact lens wear during +G(Z) acceleration
heat-stable tetrafluoroethylene-based polymers when	TOLCOTT, M. A. Psychological Sciences Division 1984 programs	[AD-A165013] p 289 N86-27915
heated p 175 N86-21131	[AD-A156631] p 20 N86-10779	TRIFONOV, S. I.
TIKUNOV, B. A.	TOLLEY-HENRY, L. C.	Effect of nonionizing microwave radiation on the
Changes in physicochemical properties of contractile	Nitrogen uptake and utilization by intact plants	autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425
and regulatory proteins in different types of muscles during and after exposure to accelerations p 61 N86-14860	p 153 N86-19941	TRIPATHI, A.
and after exposure to accelerations p 61 N86-14860	TOLMACHEVA, M. IA.  Functional state of the pancreas under conditions of	Forearm skin and muscle vasoconstriction during lower
The environment and the heart p 25 A86-13460	prolonged bed rest p 421 A86-49271	body negative pressure p 280 A86-39093
TILLERY, M. I.	TOLMAN, C. J.	TRIPLETT, L. L.
Aerosol deposition along the respiratory tract at zero	Indirect observation by C-13 NMR spectroscopy of a	Chemical characterization and toxicologic evaluation of airborne mixtures: Tumorigenicity studies of Diesel Fuel-2,
gravity - A theoretical study p 213 A86-30169	novel CO2 fixation pathway in methanogens	Red Smoke Dye and Violet Smoke Dyes in the SENCAR
A lightweight impermeable suit for chemical protection	p 103 A86-23225 TOMAI, M.	Mouse Skin Tumorigenesis Bioassay System
in warm conditions: A preliminary look at the concept	Studies on the mechanism of suppression of the immune	[AD-A159728] p 114 N86-18962 TRIPP. L.
[AD-A164687] p 295 N86-26839	response by synthetic, non-toxic adjuvants	The effect of +Gz acceleration on cardiac volumes
TIMBAL, J.	[AD-A162444] p 160 N86-22085	determined by two-dimensional echocardiography
Circadian variations of systolic time intervals p 394 A86-44087	TOMCHUK, P. M.	p 58 A86-18547
TIMOFEEV, N. N.	Proton transfer in bacteriorhodopsin	TRIPP, L. D.
Neurochemical basis of chemical thermoregulation and	p 413 A86-49345	The effect of breathing elevated CO2 gas mixtures on
artificial hypobiosis p 27 A86-15521	Proton ejection from bacteriorhodopsin p 413 A86-49346	tracking performance, blood pressure, and subjective tolerance at 1Gz
Neurochemical mechanisms of artificial hypobiosis and chemical thermoregulation p 27 A86-15525	Proton injection into bacteriorhodopsin	[AD-A165974] p 401 N86-31210
chemical thermoregulation p 27 A86-15525 Hypobiosis and functional resistance to cold	p 414 A86-49347	TRISTANI, F. E.
p 206 A86-30897	The retinal cycle in bacteriorhodopsin	Effect of head-out water immersion on response to
MOSHIN, V. T.	p 414 A86-49348	exercise training p 396 A86-44194 TROMBERG, B. J.
Element analysis of sclerotic formations of major blood	TOMLINSON, G. A.	Fiberoptics immunofluorescence spectroscopy for
vessels by laser mass spectrometry p 118 N86-19833 FIRZIT, G. D.	Halobacterium denitrificans sp. nov., an extremely halophilic denitrifying bacterium p 374 A86-43438	chemical and biological monitoring
The geroprotective activity of 2,6-dimethyl	nalophilic denitrifying bacterium p 374 A86-43438 Halobacterium denitrificans sp. nov An extremely	[DE86-002239] p 225 N86-24209
3,5-diethoxycarbonyl 1,4-dihydropyridine	halophilic denitrifying bacterium p 414 A86-49524	TROSHIKHIN, G. V.
p 49 A86-16783	TONER, M. M.	Indices of blood oxygen transporting properties and erythropolesis in rats after prolonged stay in
FISCHLER, M. E.	Effects of body mass and morphology on thermal	nitrogen-oxygen mixture at elevated pressure
Biochemical response to chronic shortening in unloaded soleus muscles	responses in water p 162 A86-28123	p 5 N86-10761
Responses of skeletal muscle to unloading - A review	Perceptual and physiological responses during exercise	TROUP, J. P.
p 192 A86-30379	in cool and cold water [AD-A165491] p 283 N86-26800	Muscle fatigue: Physiological and biochemical studies
Response of rat hindlimb muscles to 12 hours recovery	[AD-A165491] p 283 N86-26800 TONOIKE, M.	P 120 N86-19851
from tail-cast suspension p 198 Ass_3n426	Studies on accurate measurements and analyses of	Schema-based theory of information presentation for
Possible mechanism for changes in glycogen metabolism in unloaded soleus muscle	human olfactory evoked potentials	distributed decision making
p 198 A86-30427	[EL-863] p 288 N86-27907	[AD-A163150] p 266 N86-25992
Responses of amino acids in hindlimb muscles to	TOPOROVA, S. G.	TRUSAL, L. R.  Metabolism of T-2 mycotoxin by cultured cells
recovery from hypogravity and unloading by tail-cast	The effect of hypoxia on the dynamics of the peripheral lymph flow p 393 A86-45323	[AD-A159678] p 107 N86-18951
suspension p 202 A86-30456	TORNUEV, IU. V.	TSAGARELI, Z. B.
Muscle protein and glycogen responses to recovery from hypogravity and unloading by tail-cast suspension	A model for the formation of the structure of the external	Morphological changes in some internal organs of
p 202 A86-30457	electric field of humans p 183 A86-27500	guinea pigs due to the effect of a constant electromagnetic
Metabolism of amino acids by the atrophied soleus of	TOROK, Z.	field p 103 A86-23490 TSAI, M. L.

Some dominant frequencies of postural tremor are lower

at 31 bar p 122 N86-19859
Elevations of plasma endotoxin levels and lysosomal enzyme activities in divers during a simulated chamber dive to 300 mew

TOROP, A. V.
Experimental evaluation of pathogenicity of different
pathogenic of lassa virus

p 211

N86-23254

p 123 N86-19866

dive to 300 msw

p 53 A86-18842

Further studies on the application of the

compartmentalization/airlock concept to aircraft and

Can pilots time-share better than non-pilots? p 238 A86-29874 Techniques of subjective workload assessment - A

comparison of two methodologies p 238 A86-29877

spacecraft

Assessing subjective workload assessment - A comparison of SWAT and the NASA-bipolar methods p 259 A86-33783 To speak or not to speak - A multiple resource p 259 A86-33784 perspective

Evaluation of 2 cognitive abilities tests in a dual-task p 438 N86-32988 environment TSAO, C. H.

Radiation transport of cosmic ray nuclei in lunar material and radiation doses p 191 A86-30168 TSIRULNIKOV, Y. M.

Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876 TSULAIA, G. G.

Muscle vibrations and man-machine system dynamics p 74 A86-18731

TSYKALOV, E. N.

Thermovisual indicators of brain reactions to visual p 9 A86-10695 p 206 A86-30892 Thermoencephaloscopy TSYKALOV, Y. N.

Thermovisual indicators of brain response to visual p 119 N86-19843 stimuli

Effect of inclusion of supplementary ascorbic acid in daily diet on degree of vitamin saturation of body and thermoresistance of erythrocytes while working in arid p 13 N86-10749 TUREK, F. W.

A benzodiazepine used in the treatment of insomnia phase-shifts - The mammalian circadian clock

p 372 A86-40875 TURK P. G-induced loss of consciousness - Combat aircraft pilots

head for trouble p 396 A86-44814 TURNER, R. T.

Effects of gravitational and muscular loading on bone p 194 A86-30396 formation in growing rats TUROWSKI, E.

On the importance of cooling in climatic therapy p 165 N86-21020

TVILDIANI, D. D.

Morphological changes in some internal organs of guinea pigs due to the effect of a constant electromagnetic

p 103 A86-23490 TWIGG, C. A.

Magnetic separation device

[AD-D012163] p 249 N86-25975

TYABENKOVA, V. F. Effects of 24 h sleep deprivation on biogenic amine

metabolism p 120 N86-19846 TYCZKA, S.

Application of meteorological and solar data in health resort climatherapy p 170 N86-21067

TYLER, J. G. On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870

TYSSEBOTN I Increased inotropi of the heart in normoxic hyperbaric

atmosphere p 123 N86-19869 TZANKOFF, S. P.

Age-related augmentation of plasma catecholamines during dynamic exercise in healthy males p 10 A86-12376

U

UCKERMANN, R.

Investigating the ocular fixation of targets as an anthropotechnical research method in man-machine p 433 A86-47772

UDALOVA, S. V.

The use of a constitutional approach in the evaluation of health status p 420 A86-49270 UDOVICHENKO, IU. K.

The effect of prolonged physical work at the levels of submaximal and extreme intensity upon the mass transfer and utilization of oxygen p 89 A86-22536

UENO, K. The effects of prostaglandin E2 in growing rats -Increased metaphyseal hard tissue and cortico-endosteal bone formation p 375 A86-43450

ULDRIKIS, IA. R. geroprotective activity of 2,6-dimethyl

3,5-diethoxycarbonyl 1,4-dihydropyridine p 49 A86-16783

ULRICH, A.

The effect of ultradian and orbital cycles on plant arowth p 153 N86-19940 ULYATOVSKIY, N. V.

Oxygenation and regional circulation in gingival mucosal tissues under effect of head-to-pelvis (+Gz) accelerations p 65 N86-15872 UNGER. K. M.

Response of enlarged alveolar vessels to acute p 378 A86-41785 UNSWORTH, B. R.

Models of disuse - A comparison of hindlimb suspension

p 391 A86-44196 and immobilization URANO. H. Effects of -Gz centrifugal acceleration upon cardiac

p 415 A86-50290 output of hamster URSANO, R. J.

The flight surgeon and psychiatry - Interest and skills p 131 A86-25654 USHAKOV. A. S.

Metabolic distinctions of human red blood during long-term spaceflights ng-term spaceflights p 60 N86-14850 Functional activity of human serotoninergic and histaminergic systems during long-term antiorthostatic

p 60 N86-14852 hypokinesia Investigation of some aspects of human amino acid metabolism during 120-day antiorthostatic hypokinesia

p 65 N86-15873 Effect of restricted motor activity on alanine level in human plasma p 173 N86-21122 Effect of intensive operator work on lipid peroxidation

p 286 N86-27882 processes in man Amino acid spectrum of human blood in the presence of emotional stress p 287 N86-27901 USHAKOV, I. B.

Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847

USHAKOV, V. F.

Toxicological evaluation of gas emission from heat-stable tetrafluoroethylene-based polymers when p 175 N86-21131

USHER, D. A. Stereoselective aminoacylation of RNA

p 302 N86-26875

USINGER, W. R. Molecular and biological properties of an immunopotentiating complex polysaccharide adjuvant produced by a gliding bacterium AD-A1626641 p 160 N86-22086

UTSUNOMIYA. T.

Effects of cation ions in nerve excitation

p 37 N86-12377 UYEDA, C. T., JR.

An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition

p 257 N86-25981 [AD-A164099]

VADETSKAYA, T. N.

Light induced damage to erythrocyte membrane sensitized by tetrasulfophenyl porphin

p 109 N86-19838 VAERNES, R.

Psychological and physiological stress reactions among sports diver-students p 124 N86-19875 VAIL. G. J.

The social-psychological aspects of pilot-error - Male p 228 A86-29885 vs female VAINSHTEIN, G. B.

Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of p 392 A86-45320 brain tissue VALENTIN, J. R.

A gas chromatograph experiment for a Titan entry p 299 probe multiplex gas chromatography: A novel analytical technique for future planetary studies p 299 N86-26860

VALENTINE, J. W.

VALUSEK, J. R.

Are interpretations of ancient marine temperatures constrained by the presence of ancient p 276 A86-39470 organisms?

Photosimulation of target acquisition in the presence

of smoke: A pilot study [IZF-1984-36] p 95 N86-17986

VALOV, R. P. Analysis of the functional structure of thermogenesis on the basis of pharmacological tests

p 208 A86-33074

The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104

Information requirements determination: An empirical investigation of obstacles within an individual p 46 N86-13901 [AD-A158025]

VAN HOUSE, J.

Limits on asymmetric orthopositronium formation in high optically active molecules p 189 A86-28724 VAN PATTEN, R. E.

Current research on advanced concept anti-G suits p 431 A86-47747

VAN. T. K.

US Department of Agriculture/Corps of Engineers cooperative aquatic plant control research. Annual report for FY 1983; chemical control technology (AD-A161867) D 212 N86-24184

VANAALST, T. J. P.

A model of the transient part of the spatio-temporal perception, containing a two-dimensional long fiber ETN-86-97540) p 426 N86-32966

Flurazepam HCL's residual (hangover) effects upon actual driving performance VK-83-021 p 291 N86-26834

VANARSHENKO, A. P.

Experimental and general theoretical research: Nature of circulatory regulation in pilots p 285 N86-27880 VANDALEN. Á.

Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report

p 401 N86-30323

VANDEGRAAFF, R. C.

Theoretical and experimental analysis of pilot failure detection behavior during various automatic approach (NLR-MP-83025-U1 p 72 N86-14895

A model and experimental analysis of pilot decision making behavior for various automatic approach

conditions [NLR-TR-84037-U] p 292 N86-26835 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and

evaluation techniques [NLR-TR-84116-L-PT-1] p 435 N86-32107 VANDELINDE, F. J. G.

Heat transfer in impermeable clothing: Sweat plays a role after all IZF-1985-9] p 100 N86-17992

VANDENBIGGELAAR, H. H.

Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces

p 294 N86-26816 VANDENBIGGELAAR, H. H. M.

Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report

p 401 N86-30323

VANDENBOSCH, P.

Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligp 401 N86-30325 Air Force

VANDENDRIESSCHE, J. Use of artificial intelligence and psychology in the analysis of command and control ISTC-TM-7491 p 427 N86-32095

VANDENHEUVÉL, A. C. H. Dynamic behaviour of spherical and aspherical contact lenses exposed to +Gz-acceleration forces

p 294 N86-26816 VANDERLAAN, M.

Improved monoclonal antibodies to halodeoxyundine [DE85-017764] p 92 N86-16891 VANDERLINDE, F. J. G.

The wearing comfort of the PVC: Combat back pack p 23 N86-10789 VANDERPLOEG, J. M. Physiologic adaptation to space - Space adaptation

[IAF PAPER 85-313] p 35 A86-15824 VANESELTINE, R. T.

The scientific/engineering workstation experiment: Preliminary results, conclusions and recommendations [AD-A163059] p 386 N86-29510

VANESSEN, D. C. Information processing in mammalian visual cortex p 376 N86-28609

VANLEEUWEN, W. Study on design techniques for robots (space pplications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOI -1-PT-A] p 46 N86-13902

for robots (space Study on design techniques applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903

Study on design techniques for robots (space applications). Volume 2: Technical appendices [FOK-TR-R-84-110-VOL-2] p 47 N86-13904

Study on design techniques for robots (space applications). Volume 3: Executive summary [FOK-TR-R-84-110-VOL-3] p 47 N86-13905

VANLEHN, K. A.

Acquiring procedural skills from lesson sequences [AD-A164580] p 291 N86-20 p 291 N86-26829 VANLOON, M. F.

Variability analysis of visually induced responses in the midst of noise [B8564052]

p 16 N86-10774 VANMIDDENDORP, H.

The wearing comfort of the PVC: Combat back pack [IZF-1984-34] p 23 N86-10789 Heat transfer in impermeable clothing: Sweat plays a

role after all [IZF-1985-9] p 100 N86-17992

VANSWIETEN, C. M.

Control loops with human operators in space operations. Part 2: Robotics operations and manual control

[NLR-TR-84116-L-PT-2] D 444 N86-33024

VANWOERKOM, P. T. L. M.

Control loops with human operators in space operations. Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop [NLR-TR-84116-L-PT-3] p 435 N86-3210A

VARAN. G.

A survey of aseptic bone negrosis in Turkish sponge divers, interim report p 124 N86-19871

VARBANOVA, A. A.

Disturbances in the night sleep structure and organization and their significance the adaptive-recuperation processes p 217 A86-32875 VARENIKOV, I. I.

Electric sleep method of preventing fatigue build-up in ailors on extended cruises p 235 N86-23248 sailors on extended cruises VARGISH. T.

The role of endorphins in the pathophysiology of hemorrhagic and endotoxic shock in the subhuman

primate [AD-A162483]

VARLEY, T.

p 177 N86-22100

Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study [AD-A160799] p 117 N86-18974

VASENIN, A. S. Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 VASERIN, L. V.

Epidemiological supervision of poliomyelitis

p 118 N86-19835

VASERIN, Y. I.

Epidemiological supervision of poliomyelitis

p 118 N86-19835

VASHCHILLO, Y. G.

Individual typological self-regulation of cardio-vascular p 13 N86-10752 VASILENKO, A. M.

The effect of auricular electric stimulation on myelopeptide production and early reactions of blood systems cell populations in the presence of immobilization stress p 49 A86-16752

VASILEV, IA. A.

Prestimulus EEG and evoked potentials in man during the recognition of a meaningful light stimulus

Spectral-correlation characteristics of EEG in the course of short-term memory tests. I - A study of spectral-correlation parameters of the potentials in the human neocortex during correct short-term memorizing p 419 A86-49263

VASILEVA, T. P.

Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423 VASQUES, M.

Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454 VASTESAEGER, J.

Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan p 401 N86-30325 VAUGHAN, G.

Protobiological informatoin, bidirectional recognition and reverse translation D 303 N86-26878 VAULINA, E. N.

Experiments with developing plants aboard Salyut-5, Salyut-6 and Salyut-7 oribital stations

p 279 N86-27891 VAUTI, F.

Circadian variation of volume and concentration of orthostatically shifted fluid runostatically shifted fluid p 215 A86-30445
Day course of blood and plasma density in relation to other hematological parameters p 215 A86-30446 VAVAKIN, Y. N.

Effect of active antiorthostatic conditioning on tolerance cranial redistribution of blood p 175 N86-21135 VEKLEROV. F.

Monitoring of circadian waveforms in rodents exposed to high-intensity static magnetic fields [DE85-015225] p 28 N86-12952

VEKLICH, O. K.

Possible effect of hyperlipemia on the development and course of atherosclerosis in flight personnel

p 90 A86-22568

Effect of intensive visible light on activity of glutathione peroxidase in pigmented epithelium of eye p 210 N86-23226

VENEDIKTOVA, N. Y. Epidemiological supervision of poliomyelitis

VENTSLAVSKAYA, T. A.

p 118 N86-19835

p 12 A86-12435

Experimental arrhythmia and its prevention p 174 N86-21129

VERENKOV, M. S.

Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 VERESHCHAGIN, I. P.

Unsteady blood flow in humans under artificial

conditions p 33 A86-15443 VERESHCHAGIN, V. K.

Effect of dibasol and some of its imidazo analogues on animal tolerance to gravitational accelerations and dynamics of development of postischemic cerebrovascular p 279 N86-27896 VERIGO V V

Phasic processes in kinetics of formed blood elements p 286 N86-27888 VERMA. K. S.

Airsickness among Indian Airlines passengers

VERNIKOS-DANELLIS. J.

Endocrine and fluid metabolism in males and females of different ages after bedrest, acceleration and lower body negative pressure [NASA-TM-58270] p 39 N86-13886

VERNOT F H

Toxic hazards research unit annual technical report: 1985

[AD-A161558] p 176 N86-22097 The experimental determination of safe atmospheric exposure concentrations of JP-10 jet fuel

[AD-A163179] p 258 N86-25985 VERRI, A.

Perspective projection invariants

[AD-A167783] p 428 N86-32968 VETROVA, Y. G.

Blood serum enzymes during 7-day water immersion

p 287 N86-27902 VETTER, J. E. Computer tools and techniques for analysis of discrete

data from aircrew automated escape systems (AAES) p 96 A86-19302

VEVE, M. A.

Helicopter cockpit organization for night vision [SNIAS-852-210-103] p 101 N8 p 101 N86-17996 VEYNBLAT, V. I.

Description of preparation of capsular antigen isolated from yersinia pestis strain EV p 219 N86-23242 VIDULICH, M. A.

Causes of dissociation between subjective workload measures and performance - Caveats for the use of subjective assessments p 238 A86-29875

subjective assessments pt 238 A86-298/5
Techniques of subjective workload assessment - A
comparison of two methodologies p 238 A86-29875
Assessing subjective workload comparison of SWAT and the NASA-bipolar methods p 259 A86-33783

The effects of stimulus modality and task integrality: Predicting dual-task performance and workload from single-task levels p 436 N86-32981 Evaluation of 2 cognitive abilities tests in a dual-task environment p 438 N86-32988

VIEILLEFOND. H.

Positive pressure respiration, a means of protecting against +Gz accelerations - A theoretical approach

p 31 A86-13568 Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber

p 31 A86-13572 p 32 A86-13573 The bends at high altitude The choice of seat back angle to improve acceleration tolerance

[CEV-70-209] p 386 N86-29512 The vertebral column: Selection and aptitude of combat

aircraft pilots of the future p 400 N86-30322 VIEILLEFOSSE, M.

Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 p 35 A86-15637 VIELLEFORD, H.

The use of ECG changes caused by acceleration as tolerance predicition factors p 399 N86-30316 VIKHROV, A. I.

Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam

p 84 N86-16886

VIL-VILIAMS, I. F.

Cardiorespiratory responses to lower body negative pressure and tilt tests after exposure to simulated weightlessness p 215 A86-30387 VILA S. C.

Survival of the Jovian planets with the sun a Red Giant p 101 A86-21644

VILLANUEVA, E.

Phylogenetic origins of the plant mitochondrion based on a comparative analysis of 5S ribosomal RNA sequences D 2 A86-12002

VINOGRADOV, G. I.

Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425

VINOKHODOVA, T. V.

Effect of dry immersion model on parameters of fluid-electrolyte metabolism, blood plasma aldosterone and cortisol levels in individuals differing in body fluid content p 65 N86-15875

VIRU. A. A.

Comparative analysis of corticosteroid Comparative analysis of control and catecholamine levels excreted in urine of persons with different occupations p 34 A86-15520

The effect of different regimens of running training on the physical work capacity and blood plasma lipids and lipoproteins in untrained male and female students

p 89 A86-22537

VIRU. E. A.

The effect of different regimens of running training on the physical work capacity and blood plasma lipids and lipoproteins in untrained male and female students

p 89 A86-22537

VITANYI, P. M. B.

Development, growth and time [CWI-CS-R8516]

p 277 N86-26795

VLADYKO, A. S.

Experimental evaluation of pathogenicity of different variants of lassa virus p 211 N86-23254

VLASOV. III. A Unsteady blood flow in humans under

conditions p 33 A86-15443 VLASOV, V. D.

Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 VLASOV, V. V.

The influence of the initial value of a parameter on its change under the action of external factors
p 157 A86-29275

Drugs and surfactants used to prevent caisson disease in rats p 54 N86-14868 VLASOVA, R. G.

Epidemiological supervision of poliomyelitis p 118 N86-19835

VLASOVA, T. F.

Effect of 24,25-dihydroxycholecalciferol on amino acid metabolism of hypokinetic rats p 55 N86-14869 Investigation of some aspects of human amino acid metabolism during 120-day antiorthostatic hypokinesia

p 65

Effect of restricted motor activity on alanine level in p 173 N86-21122 Some aspects of human amino acid metabolism at high

altitude p 175 N86-21136 Amino acid spectrum of human blood in the presence of emotional stress p 287 N86-27901

VNUKOVA, Z. Y.

Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877 Comparison of bone reactions of rats submitted to clinostatic and antiorthostatic hypokinesia

p 174 N86-21125 Effect of diphosphonates on bones of hypokinetic rats p 279 N86-27890

VO-DINH, T. Production and characterization of antibodies to benzo(a)pyrene

[DE86-002204] p 222 N86-23271 Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring

[DE86-002239] VODKIN, M. H.

Cloning and analysis of genes for anthrax toxin components

[AD-A161901] VOELKEL, N. F.

Ventilatory responses of hamsters and rats to hypoxia and hypercapnia p 79 A86-20005

VOELKER M

Weather and asthma symptoms p 166 N86-21029 Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial p 167 N86-21036

p 225 N86-24209

p 212 N86-24186

VOGEL .LA Comparison of male and female maximum lifting [AD-A160687] AD-A160687] p 171 N86-21111 Aerobic capacity and coronary risk factors in a middle-aged army population AD-A163998 HC A02/MF [AD-A163998] Fitness and activity assessments among US Army populations: Implications for NCHS general population surveys [AD-A164060] VOGT, L. Hygienic aspects of water supply for chamber sanitary facilities, changes of divers' bacterial mouth flora and effectiveness of ear prophylaxis in saturation dives VOLKERTS, E. R. Driving performance the day after use of loprazolam, flunitrazepem and placebo IVK-83-041 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] VOLKOV, E. E. Prediction of the functional state of the body during adaptation to high altitudes VOLKOV, M. Y. Forced expiration parameters in healthy man submitted to simulated weightlessness [VK-84-101 sport

p 173 N86-21121 The methodology and techniques used in analyses of p 234 A86-32523 operator activity VOLKWERTS, E. R. Zopiclone's residual effect upon actual driving performance versus those of nitrazepam and , flunitrazepam p 423 N86-32954 VOLLMER, E. P. U.S. Navy ALSS corporate report 1984 p 96 A86-19309 VOLOSHIN, V. G. Characteristics of accelerations in aerobatic flight as p 172 N86-21117 VOLVACH. S. I. Oxygenation and regional circulation in gingival mucosal tissues under effect of head-to-pelvis (+Gz) accelerations p 65 N86-15872 VOLYNKINA, G. IU. Role of dopaminergic systems of neostriatum during the activity of the central nervous system in man and p 208 A86-33070 VOLZHSKAYA, A. M. Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stay in nitrogen-oxygen mixture at elevated pressure p 5 N86-10761 VON GIERKE, H. E. Space motion sickness preflight adaptation training Preliminary studies with prototype trainers [IAF PAPER 85-311] p 35 A86-15822 Analysis of the potential association between oise-induced hearing loss and cardiovascular disease in USAF aircrew members p 250 A86-33760 VON RESTORFF, W. Serum levels of eleven steroid hormones following motion sickness p8 A86-10259 VONBECKH, H. J. The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966

Preliminary medical results of the 5-month flight onboard

Determination of vestibular asymmetry with application

Light induced damage to erythrocyte membrane

Spatial illusions of vestibular genesis during flights in

Some human reactions during 7-day antiorthostatic

Investigation of reactogenic and antigenic activity of

chromatographically purified, concentrated and inactivated

p 257 N86-25980

p 124 N86-19874

p 290 N86-26826

p 291 N86-26834

p 31 A86-13298

p 115 N86-18966

p 10 A86-12362

p 105 A86-24144

p 31 A86-13299

p 109 N86-19838

p 172 N86-21115

p 286 N86-27885

p 119 N86-19837

VORONIN, L. I. Oxygenation and regional circulation in gingival mucosal under effect of head-to-pelvis accelerations VORONTSOV, V. A. Changes in immunoreactivity during adaptation to intervals of hypoxic hypoxia p 80 A86-21451 VOROTNIKOVA, Y. V. Morphological and biochemical investigation of rat adrenocortical function during long-term hypokinesia VOROZHBIYEVA, T. Y. HBeAg and its antibodies in carriers of HSsAg in various regions of USSR D 218 N86-23233 Photosimulation of target acquisition in the presence of smoke: A pilot study [IZF-1984-36] p 95 N86-17986 VOSKRESENSKII, O. N. Postradiation disorders of peripheral-nerve regeneration and the role of free-radical oxidation products in the p 105 A86-24422 appearance of these disorders VOSSBRINCK, C. R. Eukarvotic ribosomes that lack a 5.8S RNA p 207 A86-32237 VOVCHUK, S. V. The effect of kallikrein on the development of a general adaptation syndrome p 49 A86-16751 VOVK. T. A. Experimental evaluation of pathogenicity of different variants of lassa virus p 211 N86-23254 VOYLES. W. F. Noninvasive Doppler determination of cardiac output during submaximal and peak exercise p 21 A86-10102 VREULS, D. Performance measurement guidelines for research [AD-A159055] p 71 N86-14891 VUJOSEVIC, S. I. Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei VYAWAHARE, M. K. Vibration transmissibility in seated subjects p 22 A86-12436 Man's tolerance to fulminant form of hypoxic hypoxic p 66 N86-15879 VYKUKAL, H. C. Torso sizing ring construction for hard space suit [NASA-CASE-ARC-11616-1] p 384 N86-2 p 384 N86-28618 Elbow and knee joint for hard space suits [NASA-CASE-ARC-11610-1] p 384 p 384 N86-28619 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 p 384 N86-28620 Shoulder and hip joints for hard space suits and the [NASA-CASE-ARC-11534-1] p 385 N86-29507 Wang, Rongzhen Protection of eyes against laser damage studied p 39 N86-12967 Photometric and photo acoustic measurement of the absorbance of micro-organisms and its relation to the p 188 A86-26671 micro-organism-grain hypothesis Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt WADHAWAN, J. M.

p 253 A86-36311 EEG studies in episodic unconsciousness, seizure disorder and syncope p 12 A86-12434 Some aspects of yogic exercises during space flight p 263 A86-35289 WAGNER, M. The metric of visual space p 234 A86-32072 WAGNER, P. D. Role of hemoglobin P50 in O2 transport during normoxic and hypoxic exercise in the dog p 1 A86-10103 Pulmonary gas exchange in humans during exercise at p 281 A86-39095 Pulmonary gas exchange in humans exercising at sea level and simulated altitude p 419 A86-47874 p 419 A86-47874

WAKAL M. Suppression of antibody forming cells by muramyl Di-peptides [AD-A162400] p 159 N86-22084

Studies on the mechanism of suppression of the immune response by synthetic, non-toxic adjuvants [AD-A162444] p 160 N86-22085 WAKLEY, G. K. Effects of gravitational and muscular loading on bone formation in growing rats WALIGORA, J. M. p 194 A86-30396 Physiological considerations for EVA in the Space Station era [SAE PAPER 851313] p 111 A86-23504 WALKER, B. R. Ventilatory responses of hamsters and rats to hypoxia and hypercapnia p 79 A86-20005 WALKER J. Returbishing spray on aluminum enamel on proximity clothing [AD-A159707] p 153 N86-19944 WALKER, J. C. G. The lunar nodal tide and the distance to the Moon during the Precambrian era p 305 N86-26886 WALLACE, B. Perceptual-motor coordination and adaptation during locomotion - Determinants of prism adaptation in half p 131 A86-24324 WALLACE, J. S. Publications of the exobiology program for 1984: A special bibliography [NASA-TM-883821 n 189 N86-21150 WALLACE, J. Y., III Changes in Naval Aviation Basic Instrument flight training: An analysis [AD-A164738] p 291 N86-26830 WALLACE, R. H. A methodology for addressing system operability p 184 A86-28437 WALLACE, R. S. Robotics and the space station p 98 A86-20507 WALLACH, H. The perception of motion during colinear eve movements p 41 A86-14143 WALLQUIST, D. Color coding of synthetic aperture radar imagery p 142 A86-23713 WALLQUIST, D. L. A digital image processing facility for human factors p 143 A86-23737 WALLSOM, R. E. Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147 WALRAVEN, J. Color on displays. Part 1: The psychophysical and physiological aspects [IZF-1985-11] p 100 N86-17994 WALSH, M. M. Stromatolites from the 3,300-3,500-Myr Swaziland Supergroup, Barberton Mountain Land, South Africa p 155 A86-26490 WALTER M. R. Isotopic, petrologic and biogeochemical investigations of banded iron-formations p 305 N86-26885 WANDELL, B. A. The synthesis and analysis of color images [NASA-TM-86844] p 20 N86-10777 Computational models of human vision with applications [NASA-CR-176413] p 67 N86-15898 WANG, A. H. J. Base pairing and base mis-pairing in nucleic acids p 304 N86-26881 Hepatic enzymes of sphingolipid and glycerolipid biosynthesis in rats from Spacelab 3 p 205 A86-30475 WANG, Y. Study of a meteorological prediction of acute myocardial infarction incidence p 166 N86-21030 WANGENSTEEN, D. Solute conductance of blood-gas barrier in hamsters p 391 A86-44195 exposed to hyperoxia WANKE, G. Determination of increment of Bacillus subtilis biomass in weightlessness p 57 N86-15881 WANN. M.

Simulation model for plant growth in controlled environment systems [SAE PAPER 851390] p 104 A86-23568

Simulation model for plant growth in controlled environment systems p 149 N86-19914 WARD, D. M. Archaebacterial lipids in hot-spring microbial mats

p 80 A86-21587 WARD, F. Color coding of synthetic aperture radar imagery p 142 A86-23713

VOROBEV, E. I.

VOROBEV, O. A.

VOROBEY, A. V.

VOROBYEV. O. A.

aircraft

hypokinesia

VOROBYEVA. M. S.

Salyut-7-Soyuz-T

[IAF PAPER 84-184]

to aviation medicine

lonizing radiation and blood vessels

sensitized by tetrasulfophenyl porphin

dry vaccine against tick borne encephalitis

PERSONAL AUTHOR INDE	X	
WARD, L.		
	nsory	and con
(AIAA PAPER 86-2185)	p 429	A86-474
WARD, M. R. Effects of NO3(-) and NH4(+) and	d urea o	n each oth
uptake and incorporation WARD, S. L.		N86-19
The use of brain evoked respon	nse in a	critical ev
detection task  The effect of acceleration stress	p261 sonhu	NA86-336 man workk
[AD-A156770] The effects of acceleration stres	p 180	N86-211
and manual control WARKANDER, D. E.		N86-329
The effects of the insulation prop	perties o	f different
suit systems on the diver's heat bala diving to 50 m	nce and o p 121	
WARM, J. S. Information processing in vigi	lance o	erform
Complexity revisited WARM, R. E.		A86-337
Assessment of task proficiency in		
WARNER, J. S.		A86-338
Maximum normalized acceleratio parameter	n as a f	lying qualit N86-330
WARREN, R.	•	
The effects of psychophysical ma of training between alternative moti-	itching o on simul	n the trans ators
Tactual cuing can produce bette	p 232 er perfor	A86-299
visual cuing Visual cue dominance hierarch	p 239	A86-299
simulator design		
[SAE PAPER 851946] WASSERMAN, F. E.	p 265	
The effect of a microwave radiation the molt of house finches (Carpoda	on (2.45	GHz CW)
WASSERMAN, K.		A86-185
Lactate, pyruvate, and lactate-to-	-pyruvate	ratio duri
exercise and recovery WATANABE, C.		A86-101
Effect of fasting on hypoxia tolerar to oxygen consumption and heart ra	nce of mi	ice in relati
WATANABE, I.		A86-188
What is the parameters for the pre-	diction of	seasickne
susceptibility? On the po visual-vestibular-somatosensory inte	int of raction	view
WATANABE, S.		A86-416
Effects of -Gz centrifugal accele output of hamster	ration u	pon cardi
WATCHMAKER, G.		A86-502
Detection of chromosomal abo sperm	normaliti	es in hum.
[DE85-014178] WATKINS, C. L.	р7	N86-118
Chirally selective, intramolecular in	teraction	observed
an aminoacyl adenylate anhydride Intramolecular interactions in am	inoacyl i	nucleotide
Implications regarding the origin of protein synthesis	genetic	coding at N86-268
WATSON, A. B. Window of visibility - A psychophys		
in time-sampled visual motion displa	ys	
WATSON, L. A.		A86-324
Calcium antagonists in the pr sickness	evention p 87	of motion A86-2046
WATT, D. G. D. Canadian medical experiments on		
	p 110	A86-2299
WATTERSON, J. R. Recovery of viable thermoactinor	myces v	ulgaris ar
other aerobic heterotropic thermop sequence of ancient lake sediment	chiles fro	m a varve A86-1803
WAXMAN, A. M. Binocular image flows: Steps tow		
TUSION		
[AD-A158089] WEATHERSBY, P. K.	p 67	N86-1590

low well mixed is inert gas in tissues?

Afterdrop of body temperature during rewarming -

D 186 A86-28806

D 162 A86-28122

dispass

WEST, J. R.

Surgeons, 1974-83 WEBB, C. F.

FAAS 84-1801

WEBR P

manned base on Mars

alternative explanation

```
itrol
                                                           467
                                                          933
                                                          819
                                                           40
                                                           oad
                                                           984
                                                           drv
                                                          ring
856
                                                          æ -
778
                                                           306
                                                           12
                                                           fer
                                                           19
                                                          an
                                                          for
                                                           47
                                                          on
                                                          13
                                                           ng
10
                                                          ion
                                                           40
                                                           SS
                                                           for
                                                           45
                                                           90
                                                          an
                                                          34
                                                           in
                                                          46
                                                           nd
                                                           73
                                                           ity
                                                          51
                                                          ns.
                                                          96
                                                           30
                                                           m
                                                          01
                                      p 391 A86-44197
Retrospective analysis of Naval Special Boards of Flight
                                      p 251 A86-33763
The retrieval, storage, and recycling of water for a
```

```
WEBER. A. L.
                                                                   Pulmonary function in microgravity - Spacelab 4 and
     Models of glycolysis: Glyceraldehyde as a source of
                                                                 bevond
   energy and monomers for prebiotic condensation
                                                                 [IAF PAPER 85-322]
                                                                                                      p 36 A86-15828
                                      p 302 N86-26876
                                                                   Nocturnal periodic breathing at altitudes of 6,300 and
                                                                 8.050 m
     Panspermia - A modern astrophysical and biological
                                                                                                     D 419 A86-47875
                                                               WESTERDAHL, H. F.
   approach
                                      D 296 A86-38142
                                                                   US Department of Agriculture/Corps of Engineers
                                                                 cooperative aquatic plant control research. Annual report
     Immission and weather effects on children's airway
                                                                 for FY 1983; chemical control technology
   illnesses in Berlin (1979-1982): Methodology and result
                                                                 [AD-A161867]
                                                                                                     p 212 N86-24184
   summary p 168 M8-21040 Immission and weather effects on children's airway troubles in Berlin (1979-1982). Time series investigations: Croup syndrome and asthmatic airway troubles
                                                               WESTHEIMER, F. H.
                                                                   Polyribonucleic acids as enzymes p 155 A86-27051
                                                               WESTHEIMER, G.
                                                                   Spatial location and hyperacuity - The centre/surround
                                      p 168 N86-21044
                                                                 localization contribution function has two substrates
     Emmission and weather effects on children's airway
   troubles in Berlin (1979-1982). Comparison of two different
                                                               WEWERINKE, P. H.
   immissions: Loaded residential areas in West Berlin
                                                                   Theoretical and experimental analysis of pilot failure
                                      p 168 N86-21045
                                                                 detection behavior during various automatic approach
 WEENER. E. F.
     Flight deck automation decisions
                                                                 [NLR-MP-83025-U]
   [SAE PAPER 841471]
                                                                                                      p 72 N86-14895
                                      n 145 A86-26002
                                                                   A model and experimental analysis of pilot decision
 WEIBFI M
                                                                 making behavior for various automatic approach
     Hermes ECLSS - Review of general requirements and
                                                                 conditions
   application to the spaceplane definition
                                                                 [NLR-TR-84037-U]
                                                                                                    p 292 N86-26835
  [IAF PAPER 85-304]
                                        p 45 A86-15817
                                                                   Control theoretic analysis of human operator mediated
 WEIHE, W. H.
                                                                 rendezvous and docking
     Weather sensitivity as discomfort p 165 N86-21025
                                                                [NLR-MP-85020-U]
                                                                                                    p 435 N86-32106
 WEIL J. V.
                                                                   Control loops with human operators in space operations.
     Predictors of periodic breathing at altitude
                                                                 Part 1: Human engineering analysis, synthesis and
  [AD-A167947]
                                      p 424 N86-32957
                                                                 evaluation techniques
 WEISS, C.
                                                                [NLR-TR-84116-L-PT-11
    Sensitivity to phase distortions in central and peripheral
                                                                  Control loops with human operators in space operations.
                                      p 133 A86-26294
                                                                Part 3: Rendezvous and docking operations and model
 WEISS, D. J.
                                                                 analysis of performance with human-in-the-loop
   Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference
                                                                [NLR-TR-84116-L-PT-3]
                                                                                                   p 435 N86-32108
                                                                  Model analysis of remotely controlled rendezvous and
   [AD-A163040]
                                      p 265 N86-25990
                                                              docking with display prediction WHARTON, R. A., JR.
                                                                                                   p 441 N86-33003
 WEISSENFELS, N.
     The origin of the spicule skeleton of fresh water sponge
                                                                  Observations on gas exchange and element recycle
 (Spongillides)
WELCH, D. W.
                                      p 388 N86-29519
                                                                within a gas-closed algal-mouse system
                                                                                                    p 150 N86-19924
    Plasma volume and estimated liver plasma flow during
                                                              WHEELER, M. F.
  hyperbaric and hyperoxic exposures in awake dogs
                                                                  Physiological changes in hemostasis associated with
                                       p 52 A86-18841
                                                                acute evercies
                                                                                                    p 215 A86-30680
WELDON, M.
                                                              WHEELER, R. M.
    On scaling performance operating characteristics -
                                                                  Potato leaf explants as a spaceflight plant test system
  Caveat emptor
                                      p 179 A86-28866
                                                                                                    p 153 N86-19939
WELKOS, S. L.
                                                                  Controlled environment life support system: Growth
    Cloning and analysis of genes for anthrax toxin
                                                                studies with potatoes
  components
                                                                [NASA-CR-177400]
  [AD-A161901]
                                                                                                    p 434 N86-32101
                                      p 212 N86-24186
                                                              WHEELER, T. G.
WELLER, M. H.
                                                                  Potency of photoflash-produced retrograde amnesia in
    Antiemetic drugs and pilot performance
                                                                rats
  [AD-A162109]
                                      p 224 N86-24200
                                                                [AD-A159149]
WELLS, J. H.
                                                                                                     p 55 N86-15859
                                                                  The startle reflex as a learning task: Apparatus and test
    Levels of helicopter control force inputs during in-flight
  emergency conditions as a function of aviator axperience p 236 A86-29852
                                                                parameters
                                                                [AD-A167958]
                                                                                                    p 428 N86-32970
                                                              WHITAKER, L. A.
WENG, T. R.
                                                                  Wickens' resource allocation model - Implications for
    Bioimpedance measurement with respect to pulsatile
                                                                the design of human-machine systems
  pulmonary blood flow
                                      p 271 A86-36316
                                                                                                    p 185 A86-28453
WENGER, C. B.
    Effect of nerve block on response of forearm blood flow
                                                                  Cooperation of catalysts and templates
  to local temperature
    b local temperature p 418 A86-47873
Effectiveness of an air-cooled vest using selected air
                                                                                                    p 301 N86-26871
                                                              WHITE, D. P.
  temperature and humidity combinations
                                                                  Altitude
                                                                               acclimatization
                                                                                                   (ventilation
                                                                                                                  and
  [AD-A162026]
                                     D 242 N86-24219
                                                                chemoresponsiveness) during wakefulness and sleep
WENKSTERN, F. B.
                                                                [AD-A167738]
                                                                                                    D 423 N86-32091
    Environmental management of payload processing
                                                                  Predictors of periodic breathing at altitude
                                                                [AD-A167947]
                                                                                                   p 424 N86-32957
  [AIAA PAPER 85-6067]
                                       p 73 A86-17602
                                                              WHITE, M. M.
WENZEL, H. G.
                                                                  Microplankton species assemblages at the Scripps Pier
    Man's thermal budget under various climates
                                                                from March to November 1983 during the 1982-1984 El
                                     p 164 N86-21016
                                                                Nino event
                                                                                                          A86-31833
WENZEL, W. J.
                                                              WHITE, R.
    EFFECTS: Documentation and verification for a BEIR
                                                                  Evidences for changes in sensitivity to auxin and in
  3 cancer risk model based on age, sex and population
                                                                cell-wall properties during gravitropic bending of dicot
  dynamics for BIOTRAN
                                                                                                   p 196 A86-30409
  (DE86-003285)
                                                              WHITE, R. P., JR.
                                     p 226 N86-24210
WERNER, J.
                                                                 Helicopter crew evaluations on the effects of vibration
                                                                on performance
    Hierarchy of control models for temperature regulation
                                                                                                    p 260 A86-33800
                                                                  Development of a mechanical analog of a human spine
                                      p 22 A86-10158
WERNLUND, L. D.
                                                                and viscera
                                                                                                    p 418 A86-47753
                                                              WHITE, S. A.
  Biological effects of millimeter waves on the mouse [FOA-C-50023-H1] p 83 N86-18879
                                                                 Modified Petri net model sensitivity to workload
                                      p 83 N86-16879
                                                                manipulations
                                                                                                   p 436 N86-32979
WERTHIMER, D.
    The Berkeley Serendip Project
                                     p 309 N86-26906
                                                                  Anti-G suit protection and body position
WEST, B. J.
                                                                                                   D 432 A86-47764
   Nonlinear
                mechanisms in
                                      physiology
                                                             WHITMAN, G. R.
  pathophysiology Toward a dynamical theory of health and
                                                                  The changing face of constant wear anti-expos
```

p 422 A86-49636

p 1 A86-10103

Role of hemoglobin P50 in O2 transport during normoxic

and hypoxic exercise in the dog

WICHLACZ, P. I.

[DE85-014616]

Kinetics of biological ferrous iron oxidation

p 431 A86-47749

p 4 N86-10736

p 371 A86-40666

p 266 A86-33779

p 59 A86-18837

p 121 N86-19855

p 251 A86-33763

p 178 N86-22104

p 394 N86-31209

p 299 N86-26859

p 207 A86-32237

p 305 N86-26888

p 129 A86-23721

p 424 N86-32959

p 56 N86-15864

p 373 A86-43433

p 73 A86-17320

p 104 A86-23997

p 412 N86-31436

WICK, D. T. WILLIAMS, D. W. WIRTH, J. J. WICK, D. T. Retention of helicopter flight skills - Is there a 'critical Sensitivity to visual motion in statistically defined Enhancing effects of gamma interferon on phagocytic period' for proficiency loss? p 129 A86-23718 cell association with and killing of Trypanosoma cruz Conserving instructional training resources through use [AD-A167291] p 405 N86-31217 of the personalized system of instruction WISDOM, G. WILLIAMS, E. R. p 129 A86-23719 The clinical prediction of dangerousness The use of signal detection theory in research on WICKENS, C. AD-A160820] p 135 N86-19899 human-computer interaction The event related brain potential as an index of WILLIAMS H. L. WISSLER, E. H. information processing, cognitive activity, and skill acquisition: A program of basic research Effects of weightlessness on neurotransmitter receptors Immersion cooling - Effect of clothing and skinfold in selected brain areas p 203 A86-30462 AD-A159118] p 43 N86-13897 WILLIAMS. J. [AD-A1634271 WICKENS C. D. Head-spine structure modeling: Enhancements to Diver response to hot water loss at depths greater than Why do performance and subjective workload measures 300 meters: Experimental observations and theoretical secondary loading path model and validation of dissociate? p 129 A86-23726 head-cervical spine model interpretation POCs and performance decrements - A reply to [AD-A161425] p 172 N86-21112 WITHERS, B. F., III Kantowitz and Weldon p 179 A86-28867 WILLIAMS J. A. Retrospective analysis of Naval Special Boards of Flight Causes of dissociation between subjective workload Effect of flight in mission SL-3 on interferon-gamma Surgeons, 1974-83 measures and performance - Caveats for the use of p 204 A86-30467 roduction by rats WITT. C. subjective assessments p 238 A86-29875
Time-sharing revised - Test of a componential model WILLIAMS J. M. An automated system for comprehensive assessment Improvement in wear performance of surgical Ti-6Al-4V of visual field sensitivity for the assessment of individual differences alloy by ion implantation of nitrogen or carbon [AD-A162755] p 239 A86-29881 [DF85-013986] n 18 N86-11849 WITTIG. C. The Stemberg memory search task as an index of pilot WILLIAMS, K. Laser kinetic spectroscopy of unimolecular and p 227 A86-29883 Morphology of human embryonic kidney cells in culture bimolecular processes in the gas phase An exploratory study of computer-based p 201 A86-30452 after space flight [AD-A166998] p 231 A86-29909 WILLIAMS, M. W. WOELLER, F. H. The functional age profile - An objective decision criterion The organic aerosols of Titan WILLINGHAM, T. O. p 298 N86-26852 Miniature metastable ionization detectors for exobiology for the assessment of pilot performance capacities and flight experiments capabilities The organic aerosols of Titan p 234 A86-31823 p 298 N86-26852 Age-dependent changes in information processing WOESE, C. R. WILLSHIRE, K. F. Eukaryotic ribosomes that lack a 5.8S RNA abilities between 20 and 60 years p 260 A86-33788 The effect of varying task difficulty on subjective Human productivity of Space Station p 268 A86-33813 p 261 A86-33808 Automation and robotics for Space Station in the Higher-order structure of rRNA Event-related brain potentials and resource allocation WOGALTER, M. S. - From dual-task decrements to dual-task integrality [AIAA PAPER 86-2300] p 434 A86-49552 The detection and identification of pictorial changes p 261 A86-33820 between successive presentations A comparison of operator performance in manual and Modeling electrocardiograms using interacting Markov WOHNS, R. N. automated versions of a dynamic decision-making task Effects of high altitude on neurological and pulmonary chains p 262 A86-33825 [AD-A162758] p 178 N86-22105 function: The effect of high altitude on visual evoked Voice and manual control in dual task situations WILPIZESKI C. R. potentials in humans on Mt. Everest p 262 A86-33826 Effects of head and body restraint on experimental [AD-A168335] The dissociation of subjective measures of mental motion-induced sickness in squirrel monkeys WOIZENKO, E. vorkload and performance n 26 A86-14314 On the effects of X irradiation on the Bacillus subtilis [NASA-CR-176609] n 180 N86-21139 WILSON, B. A. spores in a day and wet system The effects of voice and manual control mode on dual Skeletal muscle lactate release and glycolytic termediates during hypercapnia p 155 A86-28124 DFVLR-FB-85-441 p 438 N86-32987 task performance intermediates during hypercapnia WOLBER, P. K. WICKNER, R. WILSON, D. Coupling between the bacteriorhodopsin photocycle and Japanese Technology Evaluation Program (JTECH): Color coding of synthetic aperture radar imagery the protonmotive force in Halobacterium halobium cell envelope vesicles. III - Time-resolved increase in the Biotechnology Panel p 142 A86-23713 p 161 N86-22092 WILSON, D. L. transmembrane electric potential and modeling of the WICKRAMASINGHE, N. C. Feature positive coding effects on object localization associated ion fluxes Diatoms on earth, comets, Europa and in interstellar p 267 A86-33789 WOLBERS, H. L. p 410 A86-44354 A workload analysis for strategic conventional standoff Human roles in future space systems The viability with respect to temperature, of micro-organisms incident on the earth's atmosphere capability missions p 268 A86-33803 [AAS PAPER 84-117] WILSON, G. p 410 A86-44358 WOLD, S. Effect of workload on the auditory evoked brainstem WIEDEMANN, J. A multivariate study of the relationship between the response p 128 A86-23705 genetic code and the physical-chemical properties of A multiple-regression model of pilot performance in WILSON, G. F. vertical and translational flight The use of brain evoked response in a critical event amino acids [AD-A161364] p 188 N86-22115 p 261 A86-33819 WOLF. A. WIENER, E. L. WILSON, J. S. Cockpit automation - In need of a philosophy DNA analysis of epithelial cell suspensions [SAE PAPER 851956] p 270 A86-35454 [DE86-002403] man p 249 N86-25977 WIERSTEINER, S. R. WILSON, J. W. A preliminary study - A multivariate analysis of attitudinal On the biological hazard of galactic antinuclei p 232 A86-29914 characteristics of flight instructors p 378 A86-43437 WIERWILLE, W. W. WILSON, R. L. Evaluation of 16 measures of mental workload using a Psychological aspects of personnel contamination simulated flight task emphasizing mediational activity [DE85-012955] p 21 N86-11853 p 179 A86-28864 WINER, H. WIETHOFF, M.

Determination of the lumped constant and the kinetic constants for deoxyglucose and fluorodeoxyglucose in [DE86-000317] p 118 N86-18978 WOLFE, J. W. Single sinusoids compared with a multiple-sinusoids

technique for evaluating horizontal semicircular canal

p 395 A86-44089 Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrev p 400 N86-30319 members

WOLGEMUTH, D. J.

Early mammalian development under conditions of reorientation relative to the gravity vector

p 194 A86-30399 Effects of simulated weightlessness on meiosis.

Fertilization, and early development in mice [NASA-CR-177106] p 410 p 410 N86-30342

WOLINSKY, I. Selection of an appropriate animal model for study of

bone loss in weightlessness WOLPERT, L.

Sources of optical information and their metrics for detecting loss in altitude p 230 A86-29903

WOLSTENCROFT, R. D.

Astronomical sources of circularly polarized light and their role in determining molecular chirality on earth

p 297 A86-38144 WOLVERTON, B. C.

Foliage plants for indoor removal of the primary ombustion gases carbon monoxide and nitrogen combustion gases carbon monoxide p 156 A86-29089 dioxide WONG, S.

Strength modeling report [NASA-CR-171896] p 15 N86-10770

Design for a goal-oriented telerobotic system [AIAA PAPER 86-2090] p 429 A p 429 A86-47440

Flurazepam HCL's residual (hangover) effects upon

Part-training strategies in simulated carrier landing final

A bidomain model for the extracellular potential and

Automated Portable Test System (APTS) - A

p 291 N86-26834

p 131 A86-23749

p 206 A86-31224

p 263 A86-35427

tual driving performance

magnetic field of cardiac tissue

[SAE PAPER 851775]

performance envelope assessment tool

TVK-83-021

WILKES, R. L.

WILL, R. W.

WIGHTMAN, D. C.

approach training

WIKSWO, J. P., JR.

Space teleoperation research. American Nuclear Society Executive conference: Remote operations and robotics in the nuclear industry; remote maintenance in other hostile environments

[NASA-TM-89234] p 386 N86-29513 WILLIAMS C

Reduction of the spermatogonial population in rat testes flown on Space Lab-3 p 203 A86-30466 Refurbishing spray on aluminum enamel on proximity

clothing [AD-A159707] p 153 N86-19944 WINGARD, L. B., JR.

Enzyme cofactor modified electrodes

[AD-A165604] p 375 N86-28607 WINKLER, R.

Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchis p 167 N86-21036 asthma WINNE, P. S.

Effects of task difficulty and learning strategies in multiple-task training p 178 A86-28451 WINNEWISER, G.

p 274 A86-33668 A search for interstellar glycine WINSLOW, R. M.

Effects of hemodilution on O2 transport in high-altitude p 37 A86-16053 polycythemia WINTER, A. S.

Effects of atropine sulfate on aircrew pe [AD-A165063] p 290 N86-27919

Particular problems of airworthiness ophthalmological view p 283 N86-26812 New glasses for presbyopic pilots p 283 N86-26814

WONG.	

Correlation of constant flow rate with frequency spectrum of respiratory sounds when measured at the trachea p 217 A86-31223 WOOD, A. P.

Autotrophic and mixotrophic growth and metabolism of ome moderately thermoacidophilic iron-oxidizing hacteria p 51 A86-18033

W000 C D

The effect of antimotion sickness drugs on habituation p 377 A86-41780

WOOD. F. R.

Behavioral considerations for space station design AD-A163478] n 265 N86-25118 WOODARD, D.

Anabolic steroids as a countermeasure against bone demineralization during space flight p 114 A86-25662 Countermeasures for the effects of prolonged weightlessness

[AAS 84-187] WOODBURY, D. M. p 162 A86-28813

p 71 N86-14891

p 281 A86-39598

Effects of N,N,N',N'-Ethylenediaminetetramethylene phosphonic 1-Hydroxyethylidene-1,1-bisphosphonic acid on calcium 1-hydroxyeuriyiodine ; i haspinospinolina abone growth, and absorption, plasma calcium, longitudinal bone growth, and bone histology in the growing rat p 374 A86-43444 The effects of prostaglandin E2 in growing rats bone histology in the growing rat Increased metaphyseal hard tissue and cortico-endosteal bone formation p 375 A86-43450 WOODY, C. D.

Neurophysiological research supporting the investigation of adaptive network architectures

p 405 N86-31216 WOOLDRIDGE, A. L. Performance measurement guidelines for research

[AD-A159055] WORDEN, R.

Intelligent crew workstations WORMSER, L. W. p 406 A86-44532

The changing face of constant wear anti-exposure p 431 A86-47749

WORTHEN G S Opposing hemodynamic effects of substance P on

nary vasculature in rabbits p 3 A86-12378 WRIGHT, H. C., III Enhancement of space suit glove performance

[SAE PAPER 851335] p 138 A86-23524 WRIGHT, J. E.

Comparison of male and female maximum lifting capacity [AD-A160687] p 171 N86-21111

WRIGHT, M. J.

Invariant tuning of motion aftereffect

p 94 A86-20899 WRIGHT, P.

Hematologic parameters of astrorats flown on SL-3

p 202 A86-30458 WRIGHT, W.

Control of arachidonic acid release in chick muscle cultures p 198 A86-30429 WRONSKI, T. J.

Effect of simulated weightlessness and chronic Effect of simulated weightings and 1,25-dihydroxyvitamin D administration on bone p 198 A86-30425 Skeletal response to short-term weightlessness

[NASA-TM-88778] p 379 N86-29496 WŪ. D.

Likelihood of high rates of energy deposition in the human legs at the ANSI recommended 3-30-MHz RF safety p 58 A86-17918 Human body impedance and threshold currents for perception and pain for contact hazard analysis in the VLF-MF band

WURTMAN, R. J. Use of tyrosine or foods to amplify catecholamine

[AD-A160274] p 108 N86-18958 Effects of consuming various foods and nutrients on objective and subjective aspects of human performance and behavior

NASA-CR-1770031 p 385 N86-29509 WYDEVEN, T.

Wet oxidation of a spacecraft model waste [SAE PAPER 851372]

p 140 A86-23555 WYSOR M S Anti-trypanosomal activity of platinum coordination

[AD-D0118601 p 67 N86-15897

### YABUSHITA, S.

Photometric and photo acoustic measurement of the absorbance of micro-organisms and its relation to the micro-organism-grain hypothesis p 188 A86-26671

YAGER. P.

Biosensors from membrane proteins reconstituted in polymerized lipid bilayers [AD-D012160] p 248 N86-25974

YAGURA, S.

Changes in glycolytic intermediates in rat erythrocytes during exposure to simulated high altitude p 156 A86-29097

YAKIMENKO, M. A. Efficiency of muscular work in white rats during adaptation to cold p.5 N86-10763 YAMADA, A.

Water recycling system using thermopervaporation method p 150 N86-19921 YAMADA, M.

Studies on visual information processing in retinal neurons p 288 N86-27906

YAMAGUCHI, T.

Review on secondary task technique for workload assessment Some consideration of secondary task paradigms and an assessment model

p 403 A86-43539 YAMAMOTO, K.

Application of component scoring to a complicated cognitive domain [AD-A157897] p 95 N86-16898

YAMASHITA M

Basic consideration on CELSS

[IAF PAPER 85-307] p 45 A86-15819 Sodium and potassium cycle in closed p 144 A86-25199 ecosystem-space agriculture YANCEY K F

A preliminary study of flat-panel displays

p 236 N86-24546 YANENKO, A. S.

Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments

p 210 N86-23237 YANOSY, J. L.

Utility of an emulation and simulation computer model for air revitalization system hardware design, development,

[SAE PAPER 851377] YAROSHENKO, G. I

Special features of surgical intervention under conditions of weightlessness

[AD-A167916] p 423 N86-32092 YATAZAWA, M.

Sodium and potassium recycle in closed ecosystem-space agriculture p 144 A86-25199 YEE, C. S.

Expedient methods of respiratory protection. Submicron particle tests and summary of quality factors p 94 N86-17983 YEFIMOVA. I. V.

Eye-movement activity as index of functional state of hrain p 14 N86-10756

YEGOROVA, G. D. Light induced damage to erythrocyte membrane

sensitized by tetrasulfophenyl porphin p 109 N86-19838

YEH, L-S, L.

New perspectives on bacterial ferredoxin evolution p 2 A86-12001

The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139

YEH, Y. Y.

Memory and subjective workload assessment p 437 N86-32983

YEH, Y.-Y.

Why do performance and subjective workload measures dissociate? p 129 A86-23726 POCs and performance decrements - A reply to Kantowitz and Weldon p 179 A86-28867 The effect of varying task difficulty on subjective p 261 A86-33808 A comparison of operator performance in manual and

automated versions of a dynamic decision-making task p 262 A86-33825

YEREMENKO, Y. G.

Biocidal synthetic coatings based on high-molecular metalogranic compounds p 55 N86-14870

YERMUKHAMETOVA, L. A.

Effect of rhythmic photic interference on working electroencephalogram and efficiency of human movements p 292 N86-27883 movements

YEVDOKIMOV, A. G.

Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted to neutral-temperature dry immersion in water

p 61 N86-14854

YEVSTAFVEV V N

Influence of shipboard environmental factors on conditioned reflex activity of experimental animals during a long voyage p 278 N86-27873

YOON, W. C.

Aiding the operator during novel fault diagnosis p 426 A86-49633

Pilot interaction with automated airborne decision making systems [NASA-CR-177002] D 385 N86-29508

Pilot interaction with automated airborne decision making systems [NASA-CR-176986]

p 408 N86-31218 YOPP, J. H

Evolutionary significance osmoregulatory of mechanisms in cyanobacteria p 307 N86-26898 YORCHAK, J. P.

Utilizing computer graphics display technology

p 185 A86-28441 Characterization of good teleoperators - What aptitudes. interests, and experience correlate with measures of

teleoperator performance p 268 A86-33828 Cardiovascular epidemiology, exercise, and health -

40-year followup of the U.S. Navy's '1000 aviators' p 378 A86-41789

YOSHIDA, T.

Multi-component characterization of the human operator's control output p 241 A86-33186

YOUNG, A. J.

Thermoregulatory and blood responses during exercise at graded hypohydration levels p 36 A86-16052 Plasma hormonal responses at graded hypohydration levels during exercise-heat stress [AD-A164941] p 86 A86-20004

Human thermoregulatory responses to cold air are altered by repeated cold water immersion

p 281 A86-39094 Effect of spironolactone on acute mountain sickness p 377 A86-41781

The effect of spironolactone on the cardiocirculatory responses to upright tilt at sea level and at simulated high

[AD-A157734] p 39 N86-13887

Human thermoregulatory responses to cold air are tered by repeated cold water immersion [AD-A158871] p 68 N86-15904

Respiratory response and muscle function during isometric handgrip exercise at high altitude [AD-A162003]

p 223 N86-24198 Influence of erythrocythemia on blood volume and thermoregulation during exercise-heat stress
[AD-A165014] p 289

p 289 N86-27916 Human vascular fluid responses to cold stress are not

altered by cold acclimation [AD-A165869] p 398 N86-30305 Induced erythrocythemia and maximal aerobic power:

An examination of modifying factors [AD-A166522] p 402 N86-31212

YOUNG, J. L.

Plasma lactate and ventilation thresholds in trained and untrained cyclists p 215 A86-30678 YOUNG, L. R.

Life science opportunities in the Space Station

p 275 A86-37855

YOUNG, P. M. Altitude acclimatization attentuates plasma ammonia during submaximal exercise [AD-A168630]

YOUNG, R. S.

Space Station - Life sciences

[AIAA PAPER 86-2346] p 393 A86-46960

YOUNT, D. E.

On the use of a bubble formation model to calculate diving tables p 114 A86-25658 YUEN, G. U.

Amino acids of the Murchison meteorite. II - Five carbon acyclic primary beta-, gamma-, and delta-amino alkanoic p 77 A86-19126 acide

YUEZBASLOGLU, N.

A survey of aseptic bone negrosis in Turkish sponge divers, interim report p 124 N86-19871

YUHARA, N.

Detection of system failure by human operator. I - The case of monitor p 403 A86-43535

YUILLE, A.

Perspective projection invariants [AD-A167783] p 428 N86-32968

YUNG. Y. L.

The D to H ratio on Titan and the planets: Implications for origin and evolution of planetary atmospheres

p 298 N86-26853

p 425 N86-32962

YUNUSOV, M. A.

Effect of dry immersion model on parameters of fluid-electrolyte metabolism, blood plasma aldosterone and cortisol levels in individuals differing in body fluid

YUNUSOVA. L. S.

Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882

YUSHCHENKO, G. V.

Farm animals as source of yersiniosis p 217 N86-23230

YUSIFOV, E. Y.

Effect of intensive visible light on activity of glutathione peroxidase in pigmented epithelium of eve

p 210 N86-23226

YUZHANSKAYA, M. G.

Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893

Z

ZHANG, H.

Human hemodynamic change under high atmospheric p 37 N86-12458 pressure

Description of preparation of capsular antigen isolated from versinia pestis strain EV p 219 N86-23242 ZAGORSKAYA, Y. A.

Effect of single actions of weak electromagnetic fields of ultralow frequency on indices of endocrine system

Morphological and biochemical investigation of rat adrenocortical function during long-term hypokines p 279 N86-27889

ZAHNLE, K. J.

Photochemistry of methane and the formation of hydrocyanic acid (HCN) in the earth's early atmosphere p 243 A86-30697

The lunar nodal tide and the distance to the Moon during the Precambrian era p 305 N86-26886 ZAITSEV, L. G.

Changes in pericardial microcirculation in dogs during daptation to static muscle loads p 392 A86-45321 **7AITSEVA. E. N.** 

System developed for psychological selection of AT p 69 A86-17062

ZAKHAROVA, L. A.

The effect of auricular electric stimulation on myelopeptide production and early reactions of blood systems cell populations in the presence of immobilization p 49 A86-16752

ZAKHAROVA, L. N.

Vestibular function in older individuals submitted to antiorthostatic hypokinesia for 30 days p 172 N86-21116

ZAKIROVA, S. F.

Epidemiological supervision of poliomyelitis

p 118 N86-19835 ZALESKI, M.

Hitts Law? A test of the relationship between information load and movement precision p 440 N86-32998 ZALOGUYEV, S. N.

Evaluation of condition of human skin in a closed environment by means of chromatography

p 174 N86-21130

ZAMAI, T. N.

Water excretion and natriuretic function in the kidneys of rats adapted to cold p 3 A86-12520

ZAMBRASKI, E. J.

Effects of 100 percent oxygen on the cardiovascular responses to vasoactive compounds in the dog p 2 A86-10255

ZAMFIR. V.

Hypokinezia and space flight reflected on rats stomach p 200 A86-30442

ZANINOVIC. K.

Temperature wind speed humidity (TWH): biometeorological index testing p 166 N86-21028

ZAPOROZHETS, S. V.

The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453 Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872

ZARGAROVA, T. A.

The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323

ZARITSKIY. V. V.

Some human reactions during 7-day antiorthostatic p 286 N86-27885 hypokinesia

ZATSIORSKIY, V. M.

Human body biomechanics and movements after 120-day antiorthostatic hypokinesia p 60 N86-14851 ZAVADOVSKIY, A. F.

Effect of active antiorthostatic conditioning on tolerance or cranial redistribution of blood p 175 N86-21135 to cranial redistribution of blood ZAVILGELSKIY, G. B.

Covalent crosslinks between filaments in DNA induced hy issee n 109 N86-19839

ZAVYALOV, A. I.

Classification of changes in electrocardiogram during muscular exertion of healthy individuals n 14 NR6-10755

p 182 A86-26616

ZAYCHIK, V. Y.

Method of demonstrating calcium in human foot by neutron activation of (alpha, N)-sources p 287 N86-27899

ZAYTSEVA, Z. I.

influence of complexity of control task on level of activation of operators physiological functions when working with waiting

ZBINDEN, E. A.

Paleosols and the chemical evolution of the p 301 N86-26870 atmosphere

ZDANKIEWICZ, E. M.

Phase change water processing for Space Station
[SAE PAPER 851346] p 139 A86-2: p 139 A86-23532

ZEDD. M. F.

Kinematics and reaction moment compensation for a paceborne elbow manipulator [AIAA PAPER 86-0250]

ZEEVI, Y. Y.

A purely central movement aftereffect induced by binocular viewing of dynamic visual noise p 133 A86-26297

ZEIDLER, S.

Physiological insights gained through zero-G medical p 144 A86-24121 research

ZELLER, A. F.

[SAE PAPER 841613] p 132 A86-26024

ZELON, J. L.

Advanced space suit development for future on-orbit erations p 407 A86-46941

[AIAA PAPER 86-2310]

ZENYUH, J.

Voice and manual control in dual task situations p 262 A86-33826

The effects of voice and manual control mode on dual task performance p 438 N86-32987 ZENYUH, J. P.

Target designation by speech, joystick, and touch control Format design implications p 184 A86-28439

ZERLETT. G.

Report on the research activities on whole-body vibrations. Human strain due to mechanical vibrations [ISBN-3-88383-107-7] p 15 N86-10773 ZERNER, M. C.

Experimental, structural and theoretical models of bacteriochlorophylls a, d and g [DE86-001727 p 158 N86-21101

ZERNZACH, R. C.

Topical effects of molten salt on rat integument - A histological and photometric assessment p 245 A86-33761

ZEVAKOV. V. F.

Fab-fragment of heterologic immunoglobulin for flu p 219 N86-23241 prophylaxis and treatment

Metabolic distinctions of human red blood during long-term spaceflights p 60 N86-14850 Effect of intensive operator work on lipid peroxidation p 286 N86-27882 processes in man

Protein-protein interactions in systems with synthetic

polyelectrolytes p 210 N86-23225 ZHANG, X.

Study of a meteorological prediction of acute myocardial infarction incidence p 166 N86-21030

Isoleucine stereoisomers on the earth p 154 A86-26198

ZHAVORONOK, S. V.

HBeAg and its antibodies in carriers of HSsAg in various of USSR p 218 N86-23233

ZHDANOVA I V

Production of gamma- and alpha-interferon by human blood leukocytes under successive induction conditions p 217 N86-23229

ZHILIAEV. E. G.

Hygienic assessment of the electromagnetic radiation levels generated by radar installations p 271 A86-36499

ZHUTAEV. I. A

Postradiation disorders of peripheral-nerve regeneration and the role of free-radical oxidation products in th p 105 A86-24422 appearance of these disorders

ZIGUNENKO, S.

Architect discusses space habitat designs p 47 N86-14161

Human factors in rule-based systems [AD-A165309]

D 295 N86-26840 ZITZEWITZ, P. W. Limits on asymmetric orthopositronium formation in high

optically active molecules p 189 A86-28724

Boundary Boundary conditions for the paleoenvironment: Chemical and Physical Processes in dense interstellar p 297 N86-26847 cloude ZLOTNIK, A.

Enhancing effects of gamma interferon on phagocytic cell association with and killing of Trypanosoma cruz p 371 A86-40666

ZOLOEV, G. K.

Modern concepts regarding some nontraditional neuroendocrine mechanisms of stress

p 49 A86-16800 The effect of enkephalins on metabolic parameters of rats in the presence of acute experimental blood loss

p 81 A86-22546

ZOMZELY-NEURATH, C. E.

The 10th Meeting of the International Society for Neurochemistry held at Riva del Garda, Italy on 19-24

p 171 N86-21110 '85 International Congress [AD-A160668] Biotechnica Biotechnology

[AD-A165415] p 276 N86-26794 ZORILE, V. I.

Medical control of the aircrew during a retraining p 110 A86-23494

HBeAg and its antibodies in carriers of HSsAg in various regions of USSR p 218 N86-23233 p 218 N86-23233

Biocidal synthetic coatings based on high-molecular etaloorganic compounds p 55 N86-14870 ZUZEVIC, W.

Age-related changes in electroencephalograms of p 62 N86-14867

ZVERKOVA, Y. Y. Dynamics of general resistance of rats during readaptation period after training in altered environment p 6 N86-10767 ZWELLING, L. A.

Anti-trypanosomal activity of platinum coordination compounds

[AD-D011860]

p 67 N86-15897

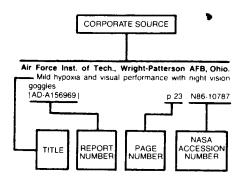
ZWICK, H. Computer visual simulation of contrast sensitivity deficits

induced by laser and chemical antidote exposure p 294 N86-26813 Effects of broad-banded eye protection on dark p 284 N86-26817 adaptation Permanent visual change associated with punctate oveal lesions p 284 N86-26823

ZYRIANOVA, T. N.

Changes in the carbohydrate energy metabolism in the rat brain under laser radiation p 276 A86-39719 AEROSPACE MEDICINE AND BIOLOGY / A Continuing Bibliography
1986 Cumulative Index

### Typical Corporate Source Index Listing



Listings in this index are arranged alphabetically by corporate source. The title of the document is used to provide a brief description of the subject matter. The page number and the accession number are included in each entry to assist the user in locating the abstract in the abstract section. If applicable, a report number is also included as an aid in identifying the document.

### Δ

## Admiralty Marine Technology Establishment, Portsmouth (England).

The evaluation of copper compounds as potential fuel biocides

[AMTE(M)-84520] p 84 N86-17974

Performance comparison of thirty, two-stage demand regulators
[ARE(M6)-TM-83818] p. 99 N86-17987

Admiralty Research Establishment, Gosport (England).
Some dominant frequencies of postural tremor are lower at 31 har.

### at 31 bar p 122 N86-19859 Advanced Resource Development Corp., Columbia,

Event-related potential indices of workload in a single task paradigm p 130 A86-23733

Processing inferences derived from event-related potential measures in a monitoring task

p 262 A86-33822

# Advisory Group for Aerospace Research and Development, Neullly-Sur-Seine (France).

Visual Protection and Enhancement

[AGARD-CP-379] p 283 N86-26802

Contact lenses for pilots and aircrew in the services p 284 N86-26815

Medical Selection and Physiological Training of Future Fighter Aircrew

[AGARD-CP-396] p 398 N86-30309 Aeronautical Research Labs., Melbourne (Australia).

A graphic anthropometric aid for seating and workplace design
[AD-A156988] p 23 N86-10788

### Aerospace Medical Div., Brooks AFB, Tex.

Air Force technical objective document, Aerospace Medical Division, FY 1987 [AD-A167422] p 423 N86-32090

### Aerospace Medical Research Labs., Wright-Patterson AFB, Ohlo.

Effect of rotopositioning on the growth and maturation of mandibular bone in immobilized Rhesus monkeys

p 106 A86-25659 Team performance with large and small screen displays

[AD-A158761] p 75 N86-14899 Model evalution of spinal injury likelihood for various

ejection system paramater variations p 91 N86-16641

The effect of acceleration stress on human workload

[AD-A156770] p 180 N86-21140

Instrument lighting levels and AN/AVS-6 usage
[AD-A161538] p 187 N86-21148
The effects of ketamine on Rhesus monkey skeletal

dynamics
[AD-A162848] p 213 N86-24189
Analytical comparison of transient and steady state
visual evoked cortical potentials p 436 N86-32978
Active controllers and the time duration to learn a task

p 439 N86-32994
A collation of United States Air Force anthropometry
[AD-A168485] p 443 N86-33019
Air Command and Staff Coll., Maxwell AFB, Ala.

The helicopter to fixed wing conversion program: A critical review
[AD-A156820] p 42 N86-12968

Air Force Academy, Colo.

Proceedings of the Air Force Conference on Technology in Training and Education (TITE)

[AD-A157829] p 95 N86-16897 Behavioral considerations for space station design [AD-A163478] p 265 N86-25118

Air Force Human Resources Lab., Brooks AFB, Tex.
Pilot-oriented performance measurement
[AD-A158849] p 40 N86-13890

Theory-based cognitive assessment
[AD-A164083] p 266 N86-25991

Air Force Inst. of Tech., Wright-Patterson AFB, Ohlo.
Normalized predictive deconvolution - A time series algorithm for modeling human operator dynamics

p 44 A86-14238 Mild hypoxia and visual performance with night vision googles

[AD-A156969] p 23 N86-10787 Information requirements determination: An empirical investigation of obstacles within an individual

[AD-A158025] p 46 N86-13901 The Middle Latency Response (MLR) and Steady State Evoked Potential (SSEP) in neonates

[AD-A158007] p 67 N86-15900 Comparison of the Air Force female and male pilot grounded time in the Air Force Military Airlift Command [AD-A158093] p 68 N86-15902

A computer model of case-based reasoning in problem solving: An investigation in the domain of dispute mediation

[AD-A158097] p 73 N86-15912 Glucocorticoid antagonism by endotoxin: Biological effects during stress and basis for inhibition of phosphoenolpyruvate carboxykinase

[AD-A160740]

An experimental trial to test the efficacy of temazepam to induce sleep and improve subsequent performance during partial sleep deprivation and circadian rhythm

desynchronosis
[AD-A160795] p 116 N86-18972
A study of the flight environment component of aircrew fatigue in student navigators

[AD-A160796] p 117 N86-18973 Some nonoccupational aspects of sensorineural loss of hearing acuity: A proposed design for study

[AD-A160799] p 117 N86-18974 A proposal for a longitudinal study to assess the hazards of radiation in space flight

[AD-A160801] p 117 N86-18975 A model of inhaled gas and vapor transport in the human

[AĎ-A160829] p. 117 N86-18976 An investigation into effects of environmental changes on locus of control [AĎ-A160861] p. 135 N86-18987 A study of patient's self-image during orthodontic treatment

[AD-A160751] p. 126 N86-19888

[AD-A160751] p 126 N86-19888 In vitro comparison of zinc phosphate and glass ionomers ability to inhibit decalcification under and adjacent to orthodontic bands

[AD-A160881] p 127 N86-19889 Evaluation of a multi-method group treatment approach for the management of stress

[AD-A160813] p 135 N86-19897
An investigation into peer and supervisor differences in the observation of performance-related behaviors

[AD-A160819] p 135 N86-19898 The clinical prediction of dangerousness

[AD-A160820] p 135 N86-19899 Mesolimbic and nigrostriatal dopaminergic systems:

Behavioral neuropharmacology
[AD-A160821] p 136 N86-19900
The influence of quality circles on attitudinal outcomes

among civil engineering personnel
[AD-A161152] p 136 N86-19905
Attention allocation, distraction, and the type A/Type

B behavior pattern
[AD-A160671] p 180 N86-21141
Personality type analysis of Air Force Institute of

Technology School of Systems and Logistics graduate degree 85S class using Myers-Briggs Type-Indicator [AD-A161053] p 181 N86-22107

An examination of the life support equipment development and acquisition process [AD-A162241] p 242 N86-24221

[AD-A162241] p 242 N86-24221
The first cortical implant of a semiconductor multielectrode array. VER (Visual Evoked Responses) and propagation analysis
[AD-A164015] p 248 N86-25972

An analysis of potential predictive parameters of motion sickness using a computerized biophysical data acquisition system

[AD-A164099] p 257 N86-25981
Absolute judgment versus absolute magnitude estimation to convey information through symbol magnitude changes in CRT displays

[AD-A167059] p 434 N86-32103
Air Force Occupational and Environmental Health Lab.,

Brooks AFB, Tex.

Assessing possible damage due to radio frequency

radiation [AD-A166913] p 402 N86-3121

Air Force Systems Command, Wright-Patterson AFB, Ohio.

Space motion sickness preflight adaptation training Preliminary studies with prototype trainers
[IAF PAPER 85-311] p 35 A86-15822

The absorption of benzene through human skin

[AD-A161157]

p 35 A86-1582

[AD-A161157] p 127 N86-19894 Theoretical prerequisites for the possible use of bacteria which split organophosphates in order to increase the yield of nutrient yeast and its nitrogen and phosphorous

[AD-A161811] p 159 N86-22083 Phosphorobacterin and its effectiveness

Phosphorobacterin and its effectiveness p 248 N86-25973 Concerning barotrauma of the lungs-translation [AD-A165006] p 289 N86-27914

[AD-A165006] p 289 N86-27914 Special features of surgical intervention under conditions of weightlessness

[AD-A167916] p 423 N86-32092 Air Force Wright Aeronautical Labs., Wright-Patterson

AFB, Ohio.

Aircrew aspects of United Stated future fighter aircraft

p 398 N86-30310 Air Line Pilots Association, International, Denison, Tex.

Pilot interface with fly by wire control systems p 438 N86-32990

### Alabama Univ., Birmingham.

Rationalization of some genetic anticodonic assignments p 189 A86-28723

Chirally selective, intramolecular interaction observed in an aminoacyl adenylate anhydride p 372 A86-41046 Improvement in wear performance of surgical Ti-6Al-4V alloy by ion implantation of nitrogen or carbon

[DE85-013986] p 18 N86-11849

```
Army Aeromedical Research Lab., Fort Rucker, Ala.
   Protein crystal growth results from shuttle flight 51-F
                                                                                                                              Human thermoregulatory responses to cold air are
                                                              Dynamics of head protection (impact protective comparison of the SPH-4 flight helmet to a commercial
 (NASA-CR-178540)
                                     p 82 N86-16875
                                                                                                                             aftered by repeated cold water immersion
                                                                                                                                                                 p 68 N86-15904
   Intramolecular interactions in aminoacyl nucleotides:
                                                                                                                            [AD-A158871]
                                                              motorcycle helmet)
 Implications regarding the origin of genetic coding and protein synthesis p 302 N86-26873
                                                                                                                              A system of rat restraint using a cone-shaped, plexiglass
                                                              [AD-A161164]
                                                                                                  p 154 N86-19945
                                                                                                                            and stainless steel rod cage
                                                                Helicopter-referenced single control, center-position
American Inst. of Biological Sciences, Arlington, Va.
                                                                                                                            [AD-A158428]
                                                                                                                                                                 p 83 N86-16876
                                                              force exertion capabilities of males and females
    Assessments and viewpoints on the biological and
                                                                                                                              Simultaneous determination of fluid shifts during thermal
                                                                                                  p 154 N86-19946
                                                              [AD-A161234]
 human health effects of Extremely Low Frequency (ELF)
                                                                                                                            stress in a small animal model
                                                                Aeromedical lessons learned with night vision devices
  electromagnetic fields: Compilation of commissioned
                                                                                                                            [AD-A159363]
                                                                                                                                                                 p 83 N86-16877
                                                                                                  p 283 N86-26810
 papers for the ELF literature review project
                                                                                                                              Prediction modeling of physiological responses and
                                                             Army Belyoir Research and Development Center, Fort
                                      p 16 N86-11839
  (AD-A1569421
                                                                                                                            human performance in the heat
                                                                 tvoir. Va.
                                                                                                                            [AD-A160513]
Amsterdam Univ. (Netherlands).
                                                                                                                                                                n 115 N86-18965
                                                                Development of U.S. Army reverse osmosis water
    Variability analysis of visually induced responses in the
                                                                                                                              Factors which alter human physiological responses
                                                              purification equipment [AD-A165667]
                                                                                                  p 385 N86-28621
                                                                                                                            during exercise-heat acclimation
  [B8564052]
                                      p 16 N86-10774
                                                                                                                            [AD-A160580]
                                                                                                                                                                p 115 N86-18967
                                                             Army Construction Engineering Research Lab.,
Anacapa Sciences, Inc., Fort Rucker, Ala.

Human factors research in aircrew performance and
                                                                                                                              Platelet-endothelial function in relation to environmental
                                                               Champaign, III.
                                                                                                                             temnerature
                                                                 The role of vibration and rattle in human response to
                                                                                                                            [AD-A160744]
                                                                                                                                                                p 116 N86-18970
                                                                 licopter noise
  [AD-A167740]
                                     p 427 N86-32967
                                                               [AD-A1624861
                                                                                                  p 182 N86-22110
                                                                                                                              Comparison of male and female maximum lifting
Anco Engineers, inc., Culver City, Calif.
Radiographic determination of mass of inertial tensors
                                                             Army Engineer Waterways Experiment Station,
                                                                                                                                                                p 171 N86-21111
                                                                                                                            [AD-A160687]
                                                               Vicksburg, Miss.
  of anatomical segments
                                                                 Environmental impact research program. Status and
                                                                                                                              Heat acclimatization developed during summer running
  [AD-A168581]
                                     n 425 N86-32961
                                                               source of habitat models and literature reviews, December
                                                                                                                             in northeastern United States
Anthropology Research Project, Yellow Springs, Ohio.
                                                                                                                             [AD-A162728]
                                                                                                                                                                p 177 N86-22102
    Demographic and anthropometric assessment of US
                                                               [AD-A156899]
                                                                                                   p 28 N86-12950
                                                                                                                              An automated system for comprehensive assessment
  Army anthropometric data base
                                                                 US Department of Agriculture/Corps of Engineers
                                                                                                                             of visual field sensitivity
                                     p 295 N86-26838
  [AD-A164637]
                                                               cooperative aquatic plant control research. Annual report
                                                                                                                             [AD-A162755]
                                                                                                                                                                p 178 N86-22104
Argonne National Lab., III.
                                                               for FY 1983: chemical control technology
                                                                                                                              Environmental stress after atropine treatment
                                                                                                  p 212 N86-24184
    Changes in muscle protein composition induced by
                                                               [AD-A161867]
                                                                                                                                                               p 223 N86-24197
                                                                                                                             [AD-A161923]
           atrophy - Analysis by
                                       two-dimensional
                                                                ny Environmental Hygiene Agency, Aberdeen
                                                                                                                              Respiratory response and muscle function during
  electrophoresis
                                                               Proving Ground, Md.
                                      p 200 A86-30440
                                                                                                                             isometric handgrip exercise at high altitude
                                                                                                                                                                p 223 N86-24198
                                                                 Health hazard evaluation of liquid monopropellants.
    The Scientific Workstation
                                  Evaluation Project:
                                                                                                                             [AD-A162003]
   Multidisciplinary experience with a scientific workstation
                                                               Phase 4. Subchronic inhalation of hydroxylammonium
                                                                                                                               Effects of wearing NBC (Nuclear, Biological and
                                      p 74 N86-14896
  [ANL-84-100]
                                                               nitrate, January 1985
                                                                                                                             Chemical) protective clothing in the heat on detection of
                                                               [AD-A157623]
                                                                                                    p 17 N86-11844
    Protein mapping and the problem of complexity in
                                                                                                                             visual signals
                                                                 Health hazard evaluation of liquid monopropellants.
                                                                                                                             [AD-A162321]
                                                                                                                                                                p 224 N86-24202
  molecular biology
                                                               Phase 5: Comparative inhalation toxicities of LGP 1776,
  [DE85-018349]
                                      p 85 N86-17979
                                                                                                                               An evaluation of tests of anaerobic power
                                                                                                                                                                p 224 N86-24203
                                                               LGP 1845, and HAN (hydroxylammonium nitrate)
                                                                                                                             [AD-A162826]
    Multiparameter data acquisition systems for studies of
                                                                                                   p 40 N86-13891
                                                               [AD-A159090]
                                                                                                                               Effect of heat and chemical protective clothing on
  Circadian rhythms
                                                                 Topical hazard evaluation program of Candidate Insect
  [DE86-004041]
                                      p 398 N86-30308
                                                                                                                             cognitive performance
                                                               repellent Al3-35770 Hexahydro-1-( (2-Methylcyclohexyl)
                                                                                                                                                                p 242 N86-24218
 Arizona State Univ., Tempe.
                                                                Carbonyl)-1-H-Azepine
                                                                                                                               Effectiveness of an air-cooled vest using selected air
    Amino acids of the Murchison meteorite. II - Five carbon
                                                                                                    p 68 N86-15903
                                                                                                                             temperature and humidity combinations
   acyclic primary beta-, gamma-, and delta-amino alkanoic
                                                                 Magnetic-field hazards bibliography, 2nd edition
                                                                                                                             [AD-A162026]
                                                                                                                                                                p 242 N86-24219
                                       p 77 A86-19126
   acids
                                                                                                   p 107 N86-18955
                                                               [AD-A160154]
                                                                                                                               Research animal stanchion and transporter
    Subjective workload and individual differences in
                                                                                                                               AD-A163907] p 248 N86-25110
Aerobic capacity and coronary risk factors in a
                                                              Army Materiel Command, Aberdeen Proving Ground,
                                                                                                                             [AD-A163907]
   information processing abilities
  (SAE PAPER 841491)
                                      p 132 A86-26011
                                                                 An examination of injury criteria for potential application
                                                                                                                             middle-aged army population AD-A163998 HC A02/MF
     The relation between the Type A behavior pattern
                                                                to explosive safety studies
   pacing, and subjective workload under single- and
                                                               [AD-P004883]
                                                                                                   p 163 N86-20629
                                                                                                                             [AD-A163998]
                                                                                                                                                                 p 257 N86-25979
                                      p 234 A86-31822
   dual-task conditions
                                                              Army Medical Research Inst. of Infectious Diseases,
                                                                                                                               Fitness and activity assessments among US Army
 Arizona Univ., Tucson.
                                                                Fort Detrick, Md.
                                                                                                                             populations: Implications for NCHS general population
                                                                  Metabolism of T-2 mycotoxin by cultured cells
     Biochemical response to chronic shortening in unloaded
                                       p 3 A86-12380
                                                                                                   p 107 N86-18951
   soleus muscles
                                                                                                                             [AD-A1640601
                                                                                                                                                                 p 257 N86-25980
                                                                  Cloning and analysis of genes for anthrax toxin
     Bedrest-induced peak VO2 reduction associated with
                                                                                                                               Perceptual and physiological responses during exercise
                                       p 87 A86-20402
   age, gender, and aerobic capacity
                                                                components
                                                                                                                             in cool and cold water
                                                                                                   p 212 N86-24186
                                                                                                                             [AD-A165491]
                                                                                                                                                                 p 283 N86-26800
     Responses of skeletal muscle to unloading - A review
                                                                  Identification of vaccine resistant isolates of bacillus
                                                                                                                               Influence of erythrocythemia on blood volume and
                                      p 192 A86-30379
                                                                                                                             thermoregulation during exercise-heat stress [AD-A165014] p 289
                                                                anthracis
     Simulated hypogravity and synaptogenesis in culture
                                                                [AD-A162002]
                                                                                                   p 212 N86-24187
                                                                                                                                                                p 289 N86-27916
                                      p 194 A86-30401
                                                              Army Missile Command, Redstone Arsenal, Ala.
                                                                                                                               Urinary and hematological indices of hypohydration
     Response of rat hindlimb muscles to 12 hours recovery
                                                                  Effects of carbon monoxide on personnel
                                                                                                                                                                p 289
                                                                                                                             [AD-A165015]
                                                                                                                                                                        N86-27917
                                      p 198 A86-30426
   from tail-cast suspension
                                                                [AD-P004882]
                                                                                                   p 163 N86-20628
                                                                                                                               Thermoregulation after atropine and pralidoxime
     Possible mechanism for changes in glycogen
                                                              Army Research Inst. for the Behavioral and Social
   metabolism in unloaded soleus muscle
                                                                Sciences, Alexandria, Va.
                                                                                                                             [AD-A165868]
                                                                                                                                                                 p 397 N86-30304
                                      p 198 A86-30427
                                                                  An investigation of judgments of category frequency
                                                                                                                               Human vascular fluid responses to cold stress are not
     Responses of amino acids in hindlimb muscles to
                                                                                                    p 72 N86-14894
                                                                                                                              altered by cold acclimation
                                                                [AD-A159555]
   recovery from hypogravity and unloading by tail-cast
                                                                  Human factors engineering design criteria for future
                                                                                                                             [AD-A165869]
                                                                                                                                                                 p 398 N86-30305
   suspension
                                      p 202 A86-30456
                                                                                                                               An environmentally-controlled extended-use small
                                                                systems. Design criteria evolving from the Fire Support
Team Vehicle (FIST-V) operational test 2
     Muscle protein and glycogen responses to recovery from
                                                                                                                              animal hypobaric chamber
   hypogravity and unloading by tail-cast suspension
                                                                                                    p 74 N86-14897
                                                                [AD-A158312]
                                                                                                                             [AD-A1667291
                                                                                                                                                                 p 398 N86-30307
                                      p 202 A86-30457
                                                                                                                               Metabolic changes following eccentric exercise in
                                                                Human factors engineering design criteria for future systems. Report number 3: Design criteria evolving from
     Cardiovascular dynamics associated with tolerance to
                                                                                                                              trained and untrained men
                                      p 253 A86-36310
   lower body negative pressure
                                                                                                                             [AD-A166521]
                                                                                                                                                                 p 402 N86-31211
                                                                the Multiple Multiple Rocket System (MLRS) operational
             viscosity elevations
                                                                                                                                Induced erythrocythemia and maximal aerobic power:
   weightlessness
                                      p 253 A86-36312
                                                                                                                              An examination of modifying factors
                                                                [AD-A158316]
                                                                                                     p 76 N86-15916
                                                                                                                                                                 p 402 N86-31212
      Metabolism of amino acids by the atrophied soleus of
                                                                                                                              [AD-A166522]
                                                                  Physical fitness as a moderator of cognitive work
                                      p 374 A86-43442
   tail-casted, suspended rats
                                                                                                                                Intrinsic alteration of the reactive properties of arteries
                                                                 capacity and fatigue onset under sustained combat-like
      Visual perception in correlated noise
                                                                                                                              during hypothermia
                                                                 onerations
                                                                                                                                                                 p 402 N86-31213
                                      p 181 N86-22106
                                                                                                                              [AD-A166523]
                                                                [AD-A160417]
                                                                                                    p 134 N86-18982
 Arizona Water Resources Research Center, Tucson.
                                                                                                                                                                (ventilation
                                                                                                                                            acclimatization
                                                                                                                                Altitude
                                                              Army Research Inst. of Environmental Medicine,
      Effects of muscle atrophy on motor control
                                                                                                                              chemoresponsiveness) during wakefulness and sleep
                                                                 Natick, Mass.
   [NASA-CR-177201]
                                      p 288
                                             N86-27913
                                                                                                                              [AD-A167738]
                                                                                                                                                                 p 423 N86-32091
                                                                  An atropinized heat-stressed rat model: Anticholinergic
  Armed Forces Food Science Establishment, Scottsdale
                                                                                                                                Predictors of periodic breathing at altitude
                                                                 and anticholinesterase drug potency
   (Australia).
                                                                                                                                                                 p 424 N86-32957
                                                                                                                              [AD-A167947]
      Evaluation of water sterilizing tablets
                                                                 [AD-A157620]
                                                                                                       p 6 N86-11832
                                                                                                                                Altitude acclimatization attentuates plasma ammonia
                                                                  Physiological effects of training
   [AD-A165806]
                                       p 385 N86-28622
                                                                                                                              during submaximal exercise [AD-A168630]
                                                                [AD-A157417]
                                                                                                     p 16 N86-11841
  Armed Forces Radiobiology Research Inst., Bethesda,
                                                                                                                                                                 p 425 N86-32962
   Md.
                                                                  The effect of spironolactone on the cardiocirculatory
                                                                                                                                Effect of dexamethasone on
                                                                                                                                                               symptoms of acute
      Hematopoiesis in conventional mice after wound
                                                                 responses to upright tilt at sea level and at simulated high
                                                                                                                              mountain sickness at Pikes Peak, Colorado (4300m)
                                                                                                                              [AD-A168662]
                                                                                                                                                                 p 425 N86-32963
   [AD-A1604361
                                                                                                     p 39 N86-13887
                                                                [AD-A1577341
                                       p 108 N86-18959
                                                                                                                               my Test and Evaluation Command, Aberdeen
      AFRRI (Armed Forces Radiobiology Research
                                                                                                                              Proving Ground, Md.
Soldier-computer interface
                                                                   Circulatory and thermoregulatory actions of hydration
                                                                 during exercise-heat stress
    [AD-A1658101
                                       p 379 N86-28614
                                                                 [AD-A1584401
                                                                                                                              [AD-A165326]
                                                                                                                                                                  p 295 N86-26841
                                                                                                     p 63 N86-14875
```

Association of American Ultima Thule, Issaquah, Wash.  Effects of high altitude on neurological and pulmonary function: The effect of high altitude on visual evoked potentials in humans on Mt. Everest
[AD-A168335] p 424 N86-32959 Astro Resources International Corp., League City, Tex. Water quality monitor for recovered spacecraft water [SAE PAPER 851347] p 139 A86-23533 Austrian Automobile Touring Club, Vienna.
Human bioclimatic classification methods illustrated with examples of selected countries p 169 N86-21058
В
Battelle Columbus Labs., Ohlo.  An engineering analysis of a closed cycle plant growth
module p 150 N86-19919  Battelle Northwest Labs., Richland, Wash.  Design, construction and testing of a dc bioeffects
enclosure for small animals [DE05-016798] p 29 N86-13883
Baylor Coll. of Medicine, Houston, Tex.  Morphogenesis and calcification of the statoconia in the
chick (Gallus domesticus) embryo - Implications for future studies p 195 A86-30405
In vivo nuclear magnetic resonance imaging [NASA-CR-171928] p 170 N86-21105 Health effects of ambient ozone exposure in vigorously
exercising adults [PB86-156940] p 258 N86-25989 Baylor Univ., Houston, Tex.
Regulation of hematopoiesis in rats exposed to antiorthostatic hypokinetic/hypodynamia. II - Mechanisms
of the 'anemia' p 80 A86-20404 Development of otoconia in the embryonic chick (Gallus
domesticus) p 414 A86-49871 Baylor Univ., Waco, Tex.
Cytochemical localization of calcium in cap cells of primary roots of Zea mays L p 197 A86-30418
Behavioral Research Associates, West Lafayette, Ind., Biocybernetic analysis of a hybrid workload model
[AD-A159033] p 63 N86-14880 Belgian Air Force, Brussels.
Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan
Air Force p 401 N86-30325 Bergen Univ. (Norway).
A study of human lymphocyte morphology from the peripheral circulation after hyperbaric exposure
p 121 N86-19857 Increased inotropi of the heart in normoxic hyperbaric atmosphere p 123 N86-19869
Psychological and physiological stress reactions among
sports diver-students p 124 N86-19875  Blelefeld Univ. (West Germany).  Questions on the evolution of the developmental
program of the vertebrate inner ear under long term zero g conditions p 389 N86-29530
Bionetics Corp., Cocoa Beach, Fia.  Effect of simulated weightlessness on exercise-induced
anaerobic threshold p 250 A86-33756 Cardiovascular dynamics associated with tolerance to
lower body negative pressure p 253 A86-36310 Cardiovascular responses of women to lower body
negative pressure p 377 A86-41779 BITS, Inc., West Layfayette, Ind.
Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880
Boeing Aerospace Co., Huntsville, Ala. Advanced operator/system interface concepts for the
Space Station [AIAA PAPER 86-2317] p 407 A86-46945
Boeing Aerospace Co., Seattle, Wash. Development status of regenerable solid amine CO2
control systems
Space Station crew interface specifications and standards
[SAE PAPER 851801] p 270 A86-35433
Bolt, Beranek, and Newman, Inc., Cambridge, Mass. Recent advancements in telepresence technology development p.269 A86-34659
Descriptive Linear modeling of steady-state visual
evoked response p 436 N86-32977 Some computational techniques for estimating human
operator describing functions p 441 N86-33007 Bonn Univ. (West Germany).
The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519
Morphology and development of the inner ear of Anurans p 389 N86-29529
Borriston Research Labs, Inc. Temple Hills, Md. Development of vaccines to the mycotoxin T-2
[AD-A158544] p 63 N86-14877

	California Univ., Irvine.
Boston Univ., Mass.	California State Univ., Hayward.
The microbial community at Laguna Figueroa, Baja	On marching to two different drummers - Perceptual
California Mexico - From miles to microns p 26 A86-14124	aspects of the difficulties p 426 A86-49870
Microbial mats and modern stromatolites in Shark Bay.	Hesitations in continuous tracking induced by a concurrent discrete task
Western Australia p 51 A86-18027	[NASA-CR-177019] p 382 N86-29503
Fluid-Electrolyte-Mineral interrelations as affecting work performance	Hesitation in tracking induced by a concurrent manual task p 439 N86-32995
[AD-A165325] p 282 N86-26799	California State Univ., Northridge.
Microbial contributions to the Precambrian Earth	Human operator control of a bilateral teleoperator in part-simulation of zero gravity p 143 A86-23736
p 307 N86-26899 Using the IRAS data to search in the asteroid belt for	part-simulation of zero gravity p 143 A86-23736 California Univ., Berkeley.
any potential evidence of galactic colonization	A change in the genetic code in Mycoplasma
p 309 N86-26908 Brandels Univ., Waltham, Mass.	capricolum p 105 A86-24000 Skeletal mass change as a function of gravitational
The effective intensity of Coriolis, cross-coupling	loading p 192 A86-30380
stimulation is gravitoinertial force dependent - Implications	Amphibian fertilization and development in microgravity p 195 A86-30408
for space motion sickness p 163 A86-29093 Sudden emesis following parabolic flight maneuvers	Effects of norflurazon on the levels of abscisic acid and
Implications for space motion sickness	xanthoxin in caps of gravistimulated roots of maize p 197 A86-30420
p 250 A86-33759	Adapted head- and eye-movement responses to
Head movements in non-terrestrial force environments elicit motion sickness - Implications for the etiology of	added-head inertia p 250 A86-33758  Molecular and biological properties of an
space motion sickness p 253 A86-36315	Molecular and biological properties of an immunopotentiating complex polysaccharide adjuvant
British Aerospace Aircraft Group, Bristol (England).	produced by a gliding bacterium
The BAe D target acquisition model ORACLE: An overview, 1984	[AD-A162664] p 160 N86-22086 Human head/neck/upper-torso model response to
[BAE-JS-10009] p 221 N86-23268	dynamic loading p 221 N86-23266
British Aerospace Public Ltd. Co., Lancashire (England).	Observational exobiology p 298 N86-26850 Investigations with methanobacteria and with evolution
Human factors: The Cinderella discipline in cockpit	of the genetic code p 306 N86-26890
Interface design p 294 N86-26825	Thioredoxins in evolutionarily primitive organisms
Brookhaven National Lab., Upton, N. Y. Thyroid absorbed dose for people at Rongelap, Utirik	p 306 N86-26893 The Berkeley Serendip Project p 309 N86-26906
and Sifo on March 1, 1954	An infrared search for extraterrestrial laser signals
[DE85-014695] p 17 N86-11846 Application of electron-transfer theory to several	p 309 N86-26907 Goldstone field test activities: Target search
systems of biological interest	p 309 N86-26911
[DE85-015835] p 55 N86-15860	California Univ., Berkeley. Lawrence Berkeley Lab.  Monitoring of circadian waveforms in rodents exposed
Determination of the lumped constant and the kinetic constants for deoxyglucose and fluorodeoxyglucose in	to high-intensity static magnetic fields
man	[DE85-015225] p 28 N86-12952
[DE86-000317] p 118 N86-18978 Experimental, structural and theoretical models of	Application of photosynthetic N2-fixing cyanobacteria to the CELSS program p 151 N86-19929
bacteriochlorophylls a, d and g	Biological effects and physical safety aspects of NMR
[DE86-001727] p 158 N86-21101 Late biological effects from internal and external	imaging and in vivo spectroscopy [DE86-002966] p 213 N86-24190
exposure	Geochemical anomalies, bolide impacts and biological
[DE86-001181] p 278 N86-27868 Proposal for a new tomographic device providing	extinctions on the Earth p 308 N86-26903 California Univ., Davis.
information on the chemical properties of a body section	Psychological and interpersonal adaptation to Mars
[DE86-010547] p 425 N86-32964 Brown Univ., Providence, R. I.	missions [AAS 84-186] p 179 A86-28812
Cortical plasticity: Theoretical analysis, experimental	Chronic acceleration and egg production in domestic
results [AD-A157965] p.38 N86-12961	fowl p 193 A86-30392 Oxygen consumption during cold exposure at 2.1 G in
[AD-A157965] p 38 N86-12961 Local and global factors in learning	rats adapted to hypergravic fields p 199 A86-30432
[AD-A161128] p 136 N86-19904	Changes in functional metabolism in the rat central nervous system following spaceflight
Peripheral nerve injury in developing rats reorganizes motor cortex	p 199 A86-30433
[AD-A168019] p 417 N86-32952	Influence of exposure to a prolonged hyperdynamic field
Brunel Univ., Uxbridge (England). Study of biosample preservation, handling, and	on body temperature in the squirret monkey p 200 A86-30439
observation facilities	Life science research on the Space Station
[ESA-CR(P)-2126] p 213 N86-24191	p 201 A86-30451 Homeostasis and biological rhythms in the rat during
Bundesanstalt fuer Flugsicherung, Frankfurt am Main (West Germany).	spaceflight p 202 A86-30460
Instructions for flight crew members and flight crew	Early adaptation to altered gravitational environments in the squirrel monkey p 203 A86-30461
training and examination guidelines of the West German Federal Board of Transport	in the squirrel monkey p 203 A86-30461 Effects of weightlessness on neurotransmitter receptors
[REPT-1] p 95 N86-17985	in selected brain areas p 203 A86-30462
Bundesministerium fuer Forschung und Technologie, Bonn (West Germany).	The effect of a hyperdynamic environment on the development of the rat retina p 203 A86-30463
Applied biology and biotechnology, the program of the	Osteocalcin as an indicator of bone metabolism during
Federal government, 1985-1988	spaceflight p 205 A86-30474 Effects of NO3(-) and NH4(+) and urea on each other's
[ETN-86-96938] p 386 N86-28626	uptake and incorporation p 152 N86-19933
С	Experimental, structural and theoretical models of bacteriochlorophylis a, d and g
	[DE86-001727] p 158 N86-21101
CAE Electronics Ltd., St. Laurent (Quebec). Flight test of a displacement sidearm controller	Design guidelines for the use of audio cues in computer interfaces
p 439 N86-32992	[DE85-015176] p 241 N86-23281
Calabria Univ., Cosenza (Italy).	Implications of privacy needs and interpersonal
Operating radiation protection: Physical aspects p 288 N86-27911	distancing mechanisms for space station design [NASA-CR-176938] p 408 N86-30338
California Inst. of Tech., Pasadena.	A model for the human's use of visual field cues in
Application of electron-transfer theory to several systems of biological interest	nap-of-the-Earth flight p 441 N86-33004 California Univ., Irvine.
[DE85-015835] p 55 N86-15860	Multidisciplinary studies on excitatory amino acids as
Information processing in mammalian visual cortex [AD-A165832] p 376 N86-28609	transmitters in the brain [AD-A164258] p 256 N86-25115

California State Coli., Bakersfield.

General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886

p 256 N86-25115

p 257 N86-25983

Comparative biochemistry and metabolism. Part 2:

Naphthalene lung toxicity [AD-A163144]

Functional and evolutionary relationships between California Univ., Santa Barbara and halorhodopsin bacteriorhodopsin Are interpretations of ancient marine temperatures archaehacterium, halohacterium halohium constrained by the presence p 306 N86-26892 organisms? p 276 A86-39470 [PB86-184934] California Univ., Irvine, Dayton, Ohio. Components of spatial ability Toxic hazards research unit annual technical report: [AD-A1656941 p 382 N86-28616 Carnegie-Mellon Univ., Pittsburgh, Pa 1985 [DE85-0136391 [AD-A161558] Skill acquisition: Compilation of weak-method problem p 176 N86-22097 Acute toxicity studies on 2 Air Force hydraulic fluids solutions [AD-A158725] p 70 N86-14888 (MLO 82-233 and MLO 82-585) Beyond associations: Strategic components in memory [AD-A1631741 p 258 N86-25984 The experimental determination of safe atmospheric retrieval [DF85-017713] [AD-A160783] p 134 N86-18985 posure concentrations of JP-10 jet fuel The role of elaborations in instructional texts: Learning p 258 N86-25985 [AD-A163179] to use the appropriate procedure at the appropriate time California Univ., La Jolia. [DE86-005160] [AD-A165211] Arousal and stability - The effects of five new Initial skill learning: An analysis of how elaborations sympathomimetic drugs suggest a new principle for the prevention of space motion sickness facilitate the three components [AD-A165137] p 292 N86-27922 p 113 A86-25656 Case Western Reserve Univ., Cleveland, Ohio. Nonlinear mechanisms in physiology and pathophysiology Toward a dynamical theory of health and [AD-A158413] Electron reactions in model and biological systems [DE85-016062] p 55 N86-15861 disease n 422 A86-49636 Casper Coll., Wyo California Univ., Los Angeles Automated Portable Test System (APTS) - A Laser ablation of human atherosclerotic plaque without performance envelope assessment tool p 91 A86-22711 adjacent tissue injury [SAE PAPER 851775] p 263 A86-35427 Use of laboratory simulated pyrolysis in tracing the CEAM, Mont-de-Marsan (France) history of sedimentary organic matter Physical training of Mirage 2000 pilots of experts p 401 N86-30324 [AD-A159466] p 304 N86-26884 Center for Mathematics and Computer Science, Amsterdam (Netherlands). Recent progress in Precambrian paleobiology p 305 N86-26887 repair Quantitative models describing the kinetics of tumor cell [AD-A161280] Model-based approaches for partitioning subjective proliferation: A comparison to experimental data vorkload assessments [CWI-AM-R8418] p 53 N86-14844 INASA-CR-1770301 p 382 N86-29504 Development, growth and time supporting Neurophysiological research the [CWI-CS-R8516] nvestigation of adaptive network architectures p 277 N86-26795 [AD-A163685] entral Electricity Generating Board, London [AD-A166074] p 405 N86-31216 (England) [AD-A167947] Modified Petri net model sensitivity to workload The effect of equally effective neutron and X-ray manipulations p 436 N86-32979 radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09) p 170 N86-21104 Knowledge-based load leveling and task allocation in p 170 N86-21104 p 437 N86-32985 human-machine systems Radioprotection update The effects of stress on attentional resources p 187 N86-21146 [BLL-CE-TRANS-8223-(9022-09] p 437 N86-32986 Central Meteorological Service, Peking (China). California Univ., San Diego Study of a meteorological prediction of acute myocardial p 166 N86-21030 Transient dehydration of lungs in tail-suspended rats infarction incidence p 200 A86-30438 Centre d'Essais en Voi, Bretigny-sur-Orge (France). The use of ECG changes caused by acceleration from SL-3 rats Independent study of automation and robotics for the p 399 N86-30316 National Space Program by the Automation and Robotics tolerance predicition factors Centre d'Essais en Vol. Istres (France). p 148 N86-18990 [NASA-CR-176523] The choice of seat back angle to improve acceleration Interactive activation models of perception and tolerance [CEV-70-2091 comprehension (France). p 386 N86-29512 [AD-A161362] p 181 N86-21143 Centre d'Etudes et de Recherches de Medecine Aerospatiale, Paris (France). Cardiac reserve during weightlessness simulation and shuttle flight Sensitivity to color contrasts and the selection of [NASA-CR-177085] p 400 N86-30318 p 380 N86-29497 navigator personnel California Univ., San Diego, La Jolia. Centre National de la Recherche Scientifique, Orieans Human cognition and performance (France). [AD-A157665] p 42 N86-12970 Search for chiral molecules and optical activity in extraterrestrial systems. The Cassini mission opportunity Advanced clinical research in shock and trauma p 387 N86-28871 p 177 N86-22103 [AD-A162730] Centre Principal d'Expertises Medicales du Personnel Navigant de l'Aeronautique, Paris (France). [GPO-43-778] Energy yields in the prebiotic synthesis of hydrogen p 300 N86-26863 cyanide and formaldehyde Selection and medical testing of Mirage 2000 pilots: Evolution of thiol protective systems in prokaryotes p 399 N86-30314 Report of echocardiography p 307 N86-26896 Chaimers Univ. of Technology, Goeteborg (Sweden). California Univ., San Francisco. The effects of the insulation properties of different dry Effect of simulated weightlessness and chronic suit systems on the diver's heat balance and comfort during 1,25-dihydroxyvitamin D administration diving to 50 m p 121 N86-19856 processes p 198 A86-30425 metabolism Osteocalcin as an indicator of bone metabolism during Lung volumes and dynamic compliance during immersion and oxygen breathing p 122 N86-19860 spaceflight p 205 A86-30474 Coupling between the bacteriorhodopsin photocycle and An attempt to counteract nitrogen narcosis by naloxone p 123 N86-19865 the protonmotive force in Halobacterium halobium cell envelope vesicles. III - Time-resolved increase in the administration Oral changes in divers working with electrical equipment transmembrane electric potential and modeling of the under water p 124 N86-19873 associated ion fluxes p 373 A86-43433 Charles F. Kettering Research Lab., Yellow Springs. Photoconversion from the light-adapted to the Ohio. dark-adapted state of bacteriorhodopsin Particulate models of photosynthesis around root caps p 374 A86-43434 [DE86-001625] p 160 N86-22090 Transient proton inflows during illumination of anaerobic Chicago Univ., III. p 374 A86-43436 Halobacterium halobium cells system Biological extinction in earth history The rhodopsin-like pigments halobacteria of p 207 A86-32057 Light-energy a archaebacterium and signal transducers Some implications of mass extinction for the evolution p 415 A86-50271

of complex life

[AD-A157520]

[AD-A160876]

and extinction

p 275 A86-38147

p 42 N86-12969

p 136 N86-19901

p 308 N86-26901

p 308 N86-26902

Stimulus structures and mental representations in expert

The fossil record of evolution: Analysis of extinction

The fossil record of evolution: Data on diversification

comprehension of computer programs

A model of the conjunction fallacy

MTF's and Wiener spectra of radiographic screen-film systems. Volume 2: (Including speeds of screens, films and screen-film systems) p 380 N86-29501 Clarke Ambrose, Inc., Knoxville, Tenn. Human-machine interface in mobile teleoperators p 75 N86-14900 Human-machine interfaces for teleoperators: An overview of research and development at the Oak Ridge National Laboratory. Consolidated Fuel Reprocessing p 100 N86-17990 Human factors activities in teleoperator development at the Oak Ridge National Laboratory p 408 N86-30340 Coast Guard, Washington, D.C. A comparison of the protection against immersion hypothermia provided by Coast Guard anti-exposure clothing in calm versus rough seas p 75 N86-14898 Cologne Univ. (West Germany). Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as rega evolution and modifications p 388 N86-29520 Colorado Univ., Boulder. Moment by moment variation in the cognitive activity p 71 N86-14893 Principles of instruction for successful assembly and p 180 N86-21142 Generalizing over conditions by combining the multitrait multimethod matrix and the representative design of p 265 N86-25119 Predictors of periodic breathing at altitude p 424 N86-32957 Columbia Univ., New York. Early mammalian development under conditions of reorientation relative to the gravity vector p 194 A86-30399 Localization of calcium stimulated adenosine triphosphatase activity in blood vessels of the skeleton p 197 A86-30424 Morphologic and histochemical studies of bone cells p 205 A86-30473 Effects of simulated weightlessness on meiosis. Fertilization, and early development in mice [NASA-CR-177106] p 410 p 410 N86-30342 Commissariat a l'Energie Atomique, Cadarache The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Can plants grow in quasi-vacuum? p 152 N86-19931 Wheat response to CO2 enrichment: CO2 exchanges transpiration and mineral uptakes p 152 N86-19932 Committee on Energy and Commerce (U. S. House). Biotechnology regulation p 3 N86-10733 Compagnie Maritime d'Expertises, Marseille (France). The influence of individual factors in man on bubble formation in air diving decompression p 125 N86-19881 Connecticut Univ., Storrs. An experimental paradigm team decision p 440 N86-33000 Copenhagen Univ. (Denmark). Excursion limits in shallow water heliox saturation p 125 N86-19877 Cornell Univ., Ithaca, N.Y. Phylogenetic origins of the plant mitochondrion based on a comparative analysis of 5S ribosomal RNA p 2 A86-12002 Gravistimulation-induced changes in current patterns p 196 A86-30411 Carbon dioxide evolution rate as a method to monitor and control an aerobic biological waste treatment p 151 N86-19930 The organic aerosols of Titan p 298 N86-26852 Stereoselective aminoacylation of RNA p 302 N86-26875 Cornell Univ., New York, N.Y. Coupling between the bacteriorhodopsin photocycle and the protonmotive force in Halobacterium halobium cell envelope vesicles. III - Time-resolved increase in the transmembrane electric potential and modeling of the associated ion fluxes p 373 A86-43433 Cummings Solar Corp., Wilmington, Mass.

Design and production of damage-resistant tray pack

p 294 N86-26837

[AD-A164595]

high and low susceptibles

Photoenergy transduction in [NASA-CR-176673]

[NASA-CR-176541]

[NASA-CR-176539]

General automatic components of motion sickness [NASA-CR-176516] p 126 N86-19886

motion sickness: Cardiopulmonary differences between

NASA-CR-176516] p 126 N86-19886 Exploratory studies of physiological components of

Shuttle flight experiment 30-day summary report NASA-CR-176539] p 171 N86-21109

p 171 N86-21108

p 248 N86-25970

halobacterium halobium

Dalhousie Univ., Halifax (Nova Scotia). Visual sensitivities and discriminations and their roles [AD-A158962] p 69 N86-15907 David Sarnoff Research Center, Princeton, N.J. Portable diagnostic radiometer [AD-A157685] n 62 N86-14872 Defence and Civil Inst. of Environmental Medicine. efence and Civil IIIIII.

Downsview (Ontario). rboxyhaemoglobin in blood

method to determine [AD-A161061] p 127 N86-19892 The energy cost of combat engineer tasks [AD-A161861] p 223 N86-24195 A review of the pilot backache problem in the CH113 Labrador helicopter

[AD-A164011] p 256 N86-25113 Canadian forces approach to aircrew medical p 399 N86-30311

Defence Research Establishment, Ottawa. (Ontario). Effect of increased body clothing insulation on hand temperature in a cold environment p 22 N86-10786

[AD-A156597] Defence Research Information Centre, Orpington (England).

Variations in state of vigilance during continuous erations at a command post p 95 N86-16900 [DRIC-T-75031 Demonstration and role of chemoreception in the marine zooplankton

IDRIC-T-74561 p 209 N86-23217 Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278

External respiration, gas exchange, and blood oxygen parameters in acute methemoglobinemia [DRIC-T-7663] p 415 N86-32082

Department of Energy, Washington, D. C.

Improved monoclonal antibodies to halodeoxyuridine [DE85-017764] p 92 N86-16891 Health and Environmental Effects of Complex Chemical

[DE85-016336] p 92 N86-16892 Method for improving product yields in an anionic metalloporphyrin-based artificial photosynthesis system [DE85-017723] p 85 N86-17978

Annual report and summaries of FY 1985 activities supported by the Division of Biological Energy Research [DE85-009132] p 209 N86-23220

Department of the Air Force, Washington, D.C.

Vision test chart and method using Gaussians [AD-D011756] p 20 N86-10778 In vivo dermal absorption method and system for laboratory animals [AD-D012325] p 417 N86-32951

Variable contrast direct read-out vision tester [AD-D012273] p 423 N86-32955 Night vision compatible illumination for vehicle crewmember workspace [AD-D012339] p 443 N86-33018

Department of the Army, Washington, D. C.

Forward field autotransfusion device [AD-D011763] p 37 N86-12957 Suture needle holder [AD-D011764] p 37 N86-12958 Dermal substance collection device [AD-D011848] p 38 N86-12962 Anti-trypanosomal activity of platinum coordination compounds

FAD-D0118601 p 67 N86-15897 Department of the Navy, Washington, D. C.

Infrared optical measurement concentrations and fiber optic catheter of blood gas p 37 N86-12955 [AD-D011836] Low temperature inflator apparatus FAD-D0118101

Servo operated anti-G suit pressurization system [AD-D011932] p 147 N86-18988

Biosensors from membrane proteins reconstituted in polymerized lipid bilayers [AD-D012160] p 248 N86-25974 Magnetic separation device

[AD-D012163] p 249 N86-25975 Automated anthropometric data measurement system [AD-D012299] p 443 N86-33017

Desmatics, Inc., State College, Pa A nonlinear regression procedure for evoked potential

[AD-A157680] p 53 N86-14839 Statistical research on problems of biodynamics [AD-A157993] p 67 N86-15899 Deutsche Forschungs- und Versuchsanstalt fuer Luftund Raumfahrt, Brunswick (West Germany).
Investigation of pilot behavior within the scope of a

training program for handling qualities rating in a ground simulator [DFVLR-MITT-86-01] p 429 N86-32975

Deutsche Forschungs- und Versuchsanstalt fuer Luftund Raumfahrt, Cologne (West Germany).

Investigations of the effects of gravity on Paramecium caudatum structure and behavior [DFVLR-FB-85-40] p 56 N86-15863

On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system [DFVLR-FB-85-44] p 56 N86-15864

First German Spacelab missions, no. 6 [PR-6]

p 118 N86-18979 High pressure oxygen (OHP) induced increase of serum prolactin is not due to a dopamine (DA)-receptor hlockada p 123 N86-19867

Hygienic aspects of water supply for chamber sanitary facilities, changes of divers' bacterial mouth flora and effectiveness of ear prophylaxis in saturation dives

p 124 N86-19874

Exobiological aspects in view of Titan p 387 N86-28868

Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany (DEVI R-MITT-85-16) p 387 N86-29514

The role of the DFVLR project management life sciences the space program of the Federal Republic of Germany p 387 N86-29515

Some remarks on gravitational biology p 387 N86-29517

Deutsche Forschungs- und Versuchsanstalt fuer Luft-und Raumfahrt, Hamburg (West Germany). Extended analysis of the structure of error scores in

sychological aptitude tests [DFVLR-FB-85-20] p 20 N86-10780 Speed of work and error rate: Analyses of individual

differences in a choice reaction series with a cognitive [DFVLR-FB-85-21] p 20 N86-10781

Experience and performance in video games and its influence on aptitude tests in aviation psychology IDEVLR-FB-85-431

Deutscher Wetterdienst, Freiburg (West Germany).

Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man The biological efficiency of dust amplication because the state of the

Determination based on the withering degree of exposed lichens p 169 N86-21047 Spatial distribution of heat and cold stress in the Federal p 170 N86-21065

Republic of Germany p 170 N86-21

Deutscher Wetterdienst, Offenbach am Main (West Germany).

Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033
Problems of city planning p 169 N86-21049

Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal) p 170 N86-21064

Direction des Constructions et Armes Navales, Toulon (France).

Ultrasonic detection of circulating bubbles in ewes exposed to simulated dives deeper than 800 msw under isobaric conditions and with unchanged gas mixtures p 125 N86-19882

Less bubble formation in women divers p 126 N86-19883

Dornier-Werke G.m.b.H., Friedrichshafen (West

BLSS, a European approach to CELSS

p 148 N86-19908 Study of biosample preservation, handling, and observation facilities [ESA-CR(P)-2126] p 213 N86-24191

Dortmund Univ. (West Germany).

Neurophysiological activity and psychophysical effectiveness of environmental factors p 164 N86-21013

Man's thermal budget under various climates p 164 N86-21016

Duesseldorf Univ. (West Germany).

Wet chamber dives to test algorithms for electronic p 125 N86-19878 decompressiometers Effects of air pollution on man p 167 N86-21038 Long-term adaptation of the otolith organs

p 389 N86-29526 Dunlap and Associates, Inc., Norwalk, Conn.

System development and evaluation technology: State of the art of manned system measurement [AD-A160418] p 134 N86-18983

East Carolina Univ., Greenville, N.C.

Effects of weightlessness on neurotransmitter receptors in selected brain areas selected brain areas p 203 A86-30462 Effects of lunar soil, Zagarni meteorite, and ocean ridge basalt on the excretion of itoic acid, a siderophore, and coproporphyrin by Bacillus subtilis p 412 N86-31421 Eastern Virginia Medical School, Norfolk.

Effects of clinostat rotation on Aurelia statolith p 199 A86-30436

Economics Lab., Inc., St. Paul, Minn.

A study to define a set of requirements for cleansing agents for use in the Space Station whole body showe (NASA-CR-171910) p 99 N86-16903 dgerton, Germeshausen and Grier, Inc., Idaho Falls.

Idaho Kinetics of biological ferrous iron oxidation [DE85-014616]

p 4 N86-10736 Human engineering guidelines for the evaluation and ssessment of video display units [TI85-016435]

p 187 N86-21149 Basic human factors considerations

[DE86-008181] p 409 N86-31223 Impact of the human on system safety analysis [DE86-008182] p 409 N86-31224

Process of task analysis DE86-0081831 p 409 N86-31225 Human factors management

[DE86-008184] Electrotechnical Lab., Ibaraki (Japan). p 409 N86-31226

Studies on information processing mechanisms in the central visual system of the cat [EL-861] p 277 N86-27865

Studies on visual information processing in retinal neurons

p 288 N86-27906 Studies on accurate measurements and analyses of human olfactory evoked potentials p 288 N86-27907

Engineering Research Associates, Inc., Vienna, Va. Schema-based theory of information presentation for distributed decision making

[AD-A1631501 p 266 N86-25992 Essen Univ. (West Germany).

Changes in the morphological and molecular biological

processes during early embryo development in amphibians under micro g conditions p 388 N86-29522 Essex Corp., Alexandria, Va.

Human Factors Review Plan [DE86-010561]

p 444 N86-33023

Essex Corp., Huntsville, Ala.

The system integration and verification testing of an orbital maneuvering vehicle for an air bearing floor [NASA-CR-178350] p 242 N86-24217 The design, fabrication and delivery of a manipulator

foot restraint mockup for space telescope development testing [NASA-CR-178837] p 272 N86-25121

Essex Corp., Orlando, Fla.

Automated Portable Test System (APTS) - A performance envelope assessment tool

[SAE PAPER 851775] p 263 A86-35427 An analysis of visual tasks in helicopter shipboard landing [AD-A161101]

p 136 N86-19903 Essex Corp., Westiake Village, Calif.

Person computer dialogue: A human engineering data base supplement [AD-A163074] p 243 N86-24223

European Nuclear Energy Agency, Frascati (Italy).

Operating radiation protection: Medical aspects

p 288 N86-27912 European Space Agency, Paris (France).

Influence of gravity on structure and behavior of Paramecium caudatum [ESA-TT-963] p 416 N86-32087

Speed of work and error rate: Analyses of individual differences in a choice reaction series with a cognitive [ESA-TT-9441 p 427 N86-32099

Fayetteville State Univ., N.C.

The scanning electron microscope as a tool in space biology p 30 N86-14080

Federal Aviation Administration, Washington, D.C. The effects of age, sleep deprivation, and altitude on complex performance [AD-A156987] p 15 N86-10771

Some effects of alcohol and simulated altitude on complex performance scores and breathanalyzer readings [AD-A158925] p 68 N86-15905

p 298 N86-26853

Ford Aerospace and Communications Corp., A comparison of postmortem coronary atherosclerosis Xiphophorus: A system to recognize radiation-induced Sunnyvale, Calif. findings in general aviation pilot fatalities mutations and to study the effects of zero-gravity [AD-A159811] p 93 N86-17982 Inflight evaluation of four measures of pilot workload environment on embryo development p 130 A86-23745 Passing scores for the FAA ATCS color vision test p 388 N86-29523 p 127 N86-19890 Forschunginstitut fuer Baineologie, Marianske Lazne [AD-A160889] Good Samaritan Hospital and Medical Center, Evaluation of a passenger mask modified with a (Czechoslovakia). Portland, Oreg. Meteorotropic changes of cardiac patients' blood rebreather bag for protection from smoke and fumes Normal and abnormal human vestibular ocular pressure and pulse frequency during a complex bath [AD-A162473] p 188 N86-22116 function p 166 N86-21031 [NASA-CR-176820] p 257 N86-25978 Drugs of abuse in aviation fatalities. 1: Marijuana Weather and subjective health complications in cardiac [AD-A161911] p 223 N86-24196 Gordon Research Conferences, Inc., Kingston, R.I. patients p 167 N86-21032 of medically disqualified airman Proceedings: Protons and Membrane Reactions held Characteristics Fraunhofer-Inst. fuer Bauphysik, Stuttgart (West at Santa Barbara, California on 28 January - 1 February applicants in calendar years 1982 and 1983 [AD-A162209] p 224 N86-24201 1085 Physical causes of air draft phenomena, new facts [AD-A161331] Inhalation toxicology. 5: Evaluation of relative toxicity p 159 N86-22082 p 164 N86-21018 Graz Univ. (Austria). to rats of thermal decomposition products from two aircraft Freie Univ., Berlin (West Germany). Volume and density changes of biological fluids with seat fire-blocking materials Immission and weather effects on children's airway temperature p 79 A86-20001 [AD-A1650341 illnesses in Berlin (1979-1982): Methodology and result Continuous blood densitometry - Fluid shifts after graded Inhalation toxicology. Part 6: Evaluation of the relative summary p 168 N86-21040 Immission and weather effects on children's airway p 168 N86-21040 toxicity of thermal decomposition products from 9 aircraft hemorrhage in animals p 392 A86-45251 Method of high-precision microsampled blood and panel materials troubles in Berlin (1979-1982). Time series investigations: [AD-A168250] p 424 N86-32958 plasma mass densitometry p 419 A86-49250 Croup syndrome and asthmatic airway troubles p 168 N86-21044 Complex monitoring performance and the Fluid and protein shifts after postural changes in p 421 A86-49523 coronary-prone type A behavior pattern Emmission and weather effects on children's airway humans p 428 N86-32971 [AD-A168240] troubles in Berlin (1979-1982). Comparison of two different Groningen Rijksuniversiteit (Netherlands). immissions: Loaded residential areas in West Berlin Driving performance the day after use of loprazolam, Federal Communications Commission, Washington, D. p 168 N86-21045 polluted areas flunitrazepem and placebo Evaluating [VK-83-04] compliance with FCC (Federal p 290 N86-26826 Communications Commission) specified guidelines for The effects of the antidepressants exaprotiline. G human exposure to radiofrequency radiation mianserin, amitryptiline and doxepin upon actual driving [PB86-127081] p 256 N86-25117 performance GARD, Inc., Niles, III. Federation of American Societies for Experimental VK-83-051 p 290 N86-26827 Catalytic distillation water recovery subsystem [NASA-CR-177382] p 99 N8 Biology, Bethesda, Md.
LSRO/ONR ad hoc review process Flurazepam HCL's residual (hangover) effects upon p 99 N86-16902 ctual driving performance neral Accounting Office, Washington, D. C. [AD-A156590] n 4 N86-10735 p 291 N86-26834 [VK-83-02] Biotechnology: The US Department of Agriculture's biotechnology research efforts Research opportunities on immunocompetence in Zopiclone's residual effect upon actual driving performance versus those nitrazepam and [GAO/RCFD-86-39BR] p 376 N86-29494 of [NASA-CR-176482] p 180 N86-21138 General Electric Co., Moffett Field, Calif. flunitrazepam Ferranti Defence Systems Ltd., Edinburgh (Scotland). n 423 N86-32954 Ames Research Center life sciences payload - Overview [VK-84-10] Automation and pilot interactions in night or all-weather of results of a spaceflight of 24 rats and 2 monkeys p 293 N86-26319 tactical operations [AIAA PAPER 85-6092] p 50 A86-17607 Five-College Astronomy Dept., Amherst, Mass. Ames Research Center Life Sciences Payload Recent observations of organic molecules in nearby Overview of results of a spaceflight of 24 rats and 2 Hamburg Univ. (West Germany). cold, dark interstellar clouds p 296 A86-38139 Particular problems of airworthiness from [AIAA PAPER 86-0583] p 79 A86-19963 Florida State Univ., Tallahassee. ophthalmological view p 283 N86-26812 George Washington Univ., Washington, D.C. Intracellular pH shift leads to microtubule assembly and New glasses for presbyopic pilots Publications of the exobiology program for 1984: A microtubule-mediated motility during sea urchin fertilization p 283 N86-26814 - Correlations between elevated intracellular pH and special bibliography Hamilton Research Ltd., Tarrytown, N.Y. [NASA-TM-88382] microtubule activity and depressed intracellular pH and p 189 N86-21150 Repetitive decompression tables for no-stop excursions Microwave effects on CNS: A histopathologic, ultrastructural and autoradiographic study microtubule disassembly p 82 A86-22709 from saturation p 125 N86-19876 Fertilization, development and spicule formation in sea Hamilton Standard, Windsor Locks, Conn. [AD-A165040] p 277 N86-27867 urchins under conditions of constant reorientation relative Utility of an emulation and simulation computer model Georgia Inst. of Tech., Atlanta. to the gravitation axis p 195 A86-30406 for air revitalization system hardware design, development, The effects of type of knowledge upon human problem Microtubule configurations during fertilization, mitosis, solving in a process control task p 74 A86-17771
PLANT - An experimental task for the study of human and early development in the mouse and the requirement [SAE PAPER 851377] p 140 A86-23560 for egg microtubule-mediated motility during mammalian fertilization p 371 A86-40674 Development of a carbon formation reactor for carbon problem solving in process control p 70 A86-17774 dioxide reduction Rule-based analysis of pilot decisions Nuclear lamins and peripheral nuclear antigens during [NASA-CR-171907] p 46 N86-13898 p 261 A86-33816 Hamilton Standard Div., United Aircraft Corp., Windsor fertilization and embryogenesis in mice and sea urchins Aiding the operator during novel fault diagnosis p 371 A86-40675 Locks, Conn. p 426 A86-49633 Development of a zero-prebreathe spacesuit Microfossils in the Antarctic cold desert: Possible Issues in rule identification and logical induction p 96 A86-19304 p 307 N86-26897 implications for Mars p 434 A86-49634 Development status of regenerable solid amine CO2 Guard cell biochemistry: Response to environmental On looking into the black box: Prospects and limits in stimuli causing changes in gas exchange [DE86-010287] p 4 the search for mental models p 138 A86-23527 [SAE PAPER 851340] p 416 N86-32086 [AD-A1590801 p 73 N86-15913 Initial development and performance evaluation of a Florida Univ., Gainesville. Pilot interaction with automated airborne decision process for formation of dense carbon by pyrolysis of Effect of simulated weightlessness and chronic making systems [NASA-CR-177002] methane 1,25-dihydroxyvitamin D administration p 385 N86-29508 bone [SAE PAPER 851342] p 138 A86-23529 p 198 A86-30425 Pilot interaction with automated airborne decision Hampton Inst., Va. making systems [NASA-CR-176986] Experimental, structural and theoretical models of On the biological hazard of galactic antinuclei p 408 N86-31218 bacteriochlorophylls a, d and g p 378 A86-43437 Representation for closed form significance testing in [DE86-001727] p 158 N86-21101 Harvard School of Public Health, Boston, Mass. p 408 N86-31219 Foersvarets Forskingsansalt, Stockholm (Sweden). Assessment of individual human exposures to ozone A discrete control model of PLANT Assisted positive pressure breathing and modified in a health study p 408 N86-31220 anti-acceleration suit filling tested up to 9 G in a human [PB85-245975] p 94 N86-17984 centrifuge, Karolinska Institute Human problem solving in fault diagnosis tasks Harvard Univ., Boston, Mass. [FOA-C-50038-H1] [AD-A167397] p 434 N86-32104 p 408 N86-30341 Expedient methods of respiratory protection. 3: Submicron particle tests and summary of quality factors Georgia Univ., Athens. Fondazione Ugo Bordoni, Rome (Italy). Role of Ca(2+)/calmodulin in phosphorylation of Reduction of subjective redundancy in image signals: [TI85-018278] p 94 N86-17983 Results obtained and research trends proteins in plants Harvard Univ., Cambridge, Mass.
Phase shifting two coupled circadian pacemakers DE86-0018041 p 158 N86-21099 p 64 N86-14884 [FUB-24-1984] The prediction of biological activity using molecular Food and Drug Administration, Rockville, Md. plications for jet lag p 377 A86-40684 Luminance and chromaticity signal processing in the Iman visual system p 121 N86-19852 Implications for jet lag connectivity indices Measurement techniques for [AD-A166986] technique/exposure guides p 394 N86-31208 human visual system [PB86-123718] German Army Aviation School, Bueckeburg (West p 222 N86-23272 Visual hemispheric specialization: A computational Evaluation of radiation exposure from Germany). diagnostic Operational experiences with night vision goggles in radiology examinations: General recommendations [AD-Á161296] p 235 N86-23279 p 293 N86-26805 [PB86-125903] helicopter low-level flight at night p 222 N86-23273 Analysis of health effects resulting from population Evaluation of radiation exposure from diagnostic Gesamthochschule, Kassel (West Germany). exposures to ambient particulate matter. Health and radiology examinations: Technique/exposure guides for Airway infections related to city climate and local environmental effects document, 1985 the craniocaudal projection in mammography p 168 N86-21042 [DE86-0021611 p 225 N86-24208 [PB86-126075] The D to H ratio on Titan and the planets: Implications n 222 N86-23274 Giessen Univ. (West Germany). Behavioral effects of microwave radiation absorption Group diagnosis as risk assessment in environment for origin and evolution of planetary atmospheres [PB86-113735] p 222 N86-23275

hygiene

p 167 N86-21039

CORPORATE SOURCE Paleosols and the chemical evolution of the p 301 N86-26870 Hauptverband der Gewerblichen Berufsgenossenschaften, e. V., Bonn (West Report on the research activities on whole-body ribrations. Human strain due to mechanical vibrations [ISBN-3-88383-107-7] p 15 N86-10773 Hawali Univ., Honolulu. Photochemical reactions of various model protocell systems p 303 N86-26879 Health Effects Research Lab., Research Triangle Park, N. C. Biological effects of electric fields

[PB85-243467] p 93 N86-16895 System for measurement of small vibrations at material interfaces induced by electrostrictive forces

p 222 N86-23276 [PB86-116530] Using Ashford's general model aid in the understanding of a pesticide's neurotoxic effect through pesticide-drug mixture experiments p 226 N86-24211 [PB86-130028]

Factors influencing carboxyhemoglobin stability p 289 N86-27918 [AD-A165032] Application of portable microprocessor-based system for electrophysiological field testing of neurotoxicity

[PB86-145471] p 379 N86-28615 Hebrew Univ. of Jerusalem, Rehovot (Israel). The synthesis of primitive 'living' forms - Definitions,

goals, strategies and evolution synthesizers p 372 A86-41045 Hershey (Milton S.) Medical Center, Hershey, Pa.

Vection-induced gastric dysrhythmias and motion sickness [NASA-CR-176620] p 176 N86-22095 Predictors of periodic breathing at altitude

p 424 N86-32957 Data collection via a quasi-experimental simulation technology. Part 1: Multiple measurement of performance excellence in complex and uncertain managerial tasks [AD-A1679491 p 428 N86-32969

Hopital d'Instruction des Armees, Paris (France). The vertebral column: Selection and aptitude of combat aircraft pilots of the future p 400 N86-30322

Hopital d'Instruction des Armees, Versailles (France).
Continuous ECG monitoring of Mirage 2000 pilots
(comparison with Mirage 3 and F1 pilots)

p 399 N86-30315 Houston Univ., Tex.

Phylogenetic origins of the plant mitochondrion based on a comparative analysis of 5S ribosomal RNA sequences equences p.2 A86-12002
The principle of cooperation and life's origin and

p 303 N86-26880 The rRNA evolution and procaryotic phylogeny

p 305 N86-26889 Selection of an appropriate animal model for study of bone loss in weightlessness bone loss in weightlessness p 412 N86-31436 Human Engineering Labs., Aberdeen Proving Ground,

Practical application of basic research on impulse noise

[AD-A160432] p 115 N86-18964 Anthropometric considerations for a 4-axis side-arm flight controller p 439 N86-32993

Hydrometeorological Inst. of the Socialist Republic of Croatia, Zagreb (Yugoslavia). Colloidal and meteorological in vitro reactions

p 165 N86-21024

Temperature wind speed humidity (TWH): biometeorological index testing p 166 N86-21028

IBM Research Lab., San Jose, Calif.

Cognitive network organization and cockpit automation p 237 A86-29858

idaho Univ., Moscow.

hazard

The effects of acceleration stress on human workload and manual control p 437 N86-32984 IIT Research Inst., Chicago, III.

Extremely Low Frequency (ELF) communications system bio-effects library development

[AD-A162839] p 225 N86-24204 ELF (Extremely Low Frequency) biological effects literature data base management system [AD-A162900] p 225 N86-24205

ILC Dover, Frederica, Del.

Your space suit and you - Significance of manloading in pressure suit design **ISAE PAPER 8513341** p 137 A86-23523

ILC Industries, Inc., Frederica, Del.

Development of a zero-prebreathe spacesuit

p 96 A86-19304

ILLIANA Aviation Sciences, Las Cruces, N. Mex. Bigness is in the eye of the beholder

p 233 A86-31820

Illinois Univ., Champaign. POCs and performance decrements - A reply to

Kantowitz and Weldon p 179 A86-28867 Causes of dissociation between subjective workload measures and performance - Caveats for the use of subjective assessments p 238 A86-29875

The event related brain potential as an index of information processing, cognitive activity, and skill acquisition: A program of basic research [AD-A1591181

p 43 N86-13897 Illinois Univ., Chicago.

Remote sensing of body signs and signatures [AD-A162106] p 224 N86-24199

Illinois Univ., Savoy.

The effect of varying task difficulty on subjective p 261 A86-33808 A comparison of operator performance in manual and

automated versions of a dynamic decision-making task p 262 A86-33825

The effects of voice and manual control mode on dual task performance p 438 N86-32987 Illinois Univ., Urbana.

Why do performance and subjective workload measures dissociate? ssociate? p 129 A86-23726 Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Eukaryotic ribosomes that lack a 5.8S RNA

p 207 A86-32237 Statistical pattern Diagnosing cognitive errors: classification and recognition approach

[AD-A158108] p 42 N86-12972 Application of component scoring to a complicated cognitive domain [AD-A157897] p 95 N86-16898

Bug distribution and pattern classification [AD-A157898] p.95 p 95 N86-16899 Higher-order structure of rRNA p 305 N86-26888 The role of impulse parameters in force variability

p 439 N86-32997 Illinois Univ., Urbana-Champaign.

The dissociation of subjective measures of mental workload and performance [NASA-CR-176609] p 180 N86-21139

Antiemetic drugs and pilot performa [AD-A162109] p 224 N86-24200

Application of portable microprocessor-based system for electrophysiological field testing of neurotoxicity [PB86-145471] p 379 N86-28615

Indiana Univ., Bioomington.

Sequence of the 16S rRNA gene from the thermoacidophilic archaebacterium Sulfolobus solfataricus and its evolutionary implications p 104 A86-23998 Response of amphibian egg non-yolk cytoplasm to p 195 A86-30407 Isotopic study of the inhalation toxicology of oxidants [PB86-109485]

p 256 N86-25116 Isotopic, petrologic and biogeochemical investigations

of banded iron-formations p 305 N86-26885 Institut fuer Flugmechanik, Brunswick (West Germany). The effect of high frequency electromagnetic fields on human beings (frequency range between 1 kHz and 1000 p 223 N86-24193

A flight test method for pilot/aircraft analysis p 442 N86-33011

Institut National de la Sante et de la Recherche Medicale, Paris (France).

Comparison of bradycardia breath-hold on divers and

nondivers: Its importance for the capacity visit of divers p 122 N86-19863

Institut za Pomorsku Medicina, Split (Yugoslavia). Hyberbaric oxygen in the treatment of Bell's palsy D 124 N86-19870

Institute for Perception Research, Eindhoven (Netherlands).

Activities report in perception research

[IPO-19-1984] p 405 N86-30335 Institute for Perception RVO-TNO, Soesterberg (Netherlands).

Studies on human vehicle control [B8563352]

p 19 N86-10775 Car driving as a supervisory control task [B8563351] p 19 N86-10776

Standardization of tasks: Approach planning
ZF-1984-19] p 20 N86-10782 [IZF-1984-19] Path error-neglection in straight lane driving [IZF-1984-32] p 20 N86-10783

The wearing comfort of the PVC: Combat back pack [IZF-1984-34] p 23 N86-10789 Photosimulation of target acquisition in the presence of smoke: A pilot study [IZF-1984-36]

p 95 N86-17986

Heat transfer in impermeable clothing: Sweat plays a

[IZF-1985-9] p 100 N86-17992 A Computer Aided Design (CAD) system as a tool for ergonomist in developing man-machine systems

[IZF-1985-10] p 100 Color on displays. Part 1: The psychophysical and physiological aspects

[IZF-1985-11] p 100 N86-17994 Individual parameters in thermoregulatory control; a [IZF-1985-26]

p 283 N86-26801

Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336

Attention tasks and their relation to aging and flight [IZF-1986-41 p 405 N86-30337

Auditory versus visual selective-attention tasks [IZF-1985-19] p 427 N86-32100 Institute of Baineology and Climatology, Poznani

Application of meteorological and solar data in health resort climatherapy p 170 N86-21067

Institute of Meteorology and Water Management, Podlesna (Poland).

Meteorotropic determinants of road collisions and accidents p 165 N86-21022 Institute of Nuclear Energy Research, Lung-Tan

(Talwan). Bacterial inactivation by means of ionizing radiation

[DE86-901038] p 412 N86-30348 lowa Univ., Iowa City.

The role of endorphins in the pathophysiology of hemorrhagic and endotoxic shock in the subhuman

[AD-A162483] Istanbul Medical Faculty (Turkey). p 177 N86-22100

A survey of aseptic bone negrosis in Turkish sponge divers, interim report p 124 N86-19871

Istituto Superiore di Sanita, Rome (Italy). Elements of Radiation Protection

[ISS-L-84/7] p 288 N86-27908 Biological effects of ionizing radiation

p 288 N86-27909 Effects of radiation health p 288 N86-27910

Japan Marine Science and Technology Center, Tokyo. Effect of low and high environmental temperatures on decompression sickness in the aging rat

p 126 N86-19884 Jet Propulsion Lab., California Inst. of Tech.. Pasadena.

The microbial community at Laguna Figueroa, Baja California Mexico - From miles to microns

p 26 A86-14124 The role of reabsorption in the spectral distribution of phytoplankton fluorescence emission p 50 A86-16924 Determining a carbohydrate profile for Hansenula polymorpha p 82 A86-22710 Laser ablation of human atherosclerotic plaque without

adjacent tissue injury p 91 A86-22711 Human operator control of a bilateral teleoperator in part-simulation of zero gravity p 143 A86-23736 Robots as man-extension systems in space

p 240 A86-33183 Decluttering methods for hiah density computer-generated graphic displays

p 267 A86-33790 Recent advancements in telepresence technology p 269 A86-34959

Measurement and prediction of flow through a replica segment of a mildly atherosclerotic coronary artery of p 374 A86-43440

Fluid dynamic study in a femoral artery branch casting of man with upstream main lumen curvature for steady p 397 A86-45254

Automation and robotics for Space Station in the wenty-first century

[AIAA PAPER 86-2300] p 434 A86-49552 Design concepts for bioreactors in space

p 151 N86-19926 The development of an unconventional food regeneration process: Quantifying the nutritional components of a model methylotrophic yeast

p 151 N86-19928 Closed culture plant studies: Implications for CELSS p 152 N86-19937

The effect of ultradian and orbital cycles on plant Direct model reference adaptive control of a flexible robotic manipulator

[NASA-CR-176659] p 188 N86-22113

Goldstone field test activities: Sky survey p 310 N86-26912 JPL's role in the SETI program p 310 N86-26913 Reverse osmosis water purification system p 384 N86-28291 leoperation control Force/torque display for space experiments and evaluation p 440 N86-33002 Johns Hopkins Univ., Baltimore, Md. Development of intuitive theories of motion - Curvilinear motion in the absence of external forces p 426 A86-49521 Macrophage structure and function [AD-A163314] p 276 N86-26793 Johns Hopkins Univ., Laurel, Md. Human reactions to transient electric currents [PB86-117280] p 222 N86-23277 Joint Publications Research Service, Arlington, Va. USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-85-023] p.4 N86-10738 Hemodynamics during gravitational overloads (mathematical modeling) p 12 N86-10739 Study of hypokinesia and acceleration effects on human chromosomes p 12 N86-10740 Romanian plant produces protein concentrate from paraffin-nourished yeasts p 4 N86-10741 Biotechnology: Science and practice p 4 N86-10742 Dynamics of changes of statistical indicators of heart rhythm of persons with different degree of motion p 12 N86-10743 Effect of single actions of weak electromagnetic fields of ultralow frequency on indices of endocrine system p 12 N86-10744 Effect of emotional stress on hemostasis system of p 19 N86-10745 healthy persons Assessment of state of chronotropic and inotropic heart function at different degrees of physical fitness p 12 N86-10746 Capacity for work and hemodynamics in males residing p 13 N86-10747 at middle and high latitudes Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica p 13 N86-10748 Effect of inclusion of supplementary ascorbic acid in daily diet on degree of vitamin saturation of body and thermoresistance of erythrocytes while working in arid p 13 N86-10749 Effect of various doses of some vitamins on non-specific mechanisms of adaptation of man p 13 Adaptation of man to extreme conditions of Antarctica p 13 N86-10751 Individual typological self-regulation of cardio-vascula p 13 N86-10752 Conditioning potentialities of respiratory apparatus p 14 N86-10753 Short term heat effect on adreno- and cholino-sensitivity of rat's small intestine p 4 N86-10754 Classification of changes in electrocardiogram during muscular exertion of healthy individuals p 14 N86-10755 Eye-movement activity as index of functional state of brain p 14 N86-10756 Mechanism of adaptogenic action of prickly eleuterococcus on man during heat stress p 14 N86-10757 Vestibular resistance and blood circulation changes in orthostatic position during hyperthermia p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure p 5 N86-10760 Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged nitrogen-oxygen mixture at elevated pressure p.5 N86-10761 Homocarnosin in rat brain during adaptation to cold p 5 N86-10762 Efficiency of muscular work in white rats during р5 adaptation to cold N86-10763 organization Intradiurnial wakefulness-sleep sequence and energy metabolism in rats exposed to low p 5 N86-10764 ambient temperature TV monitoring control system in electrophysiological studies p 14 N86-10765 Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p 5 N86-10766 Dynamics of general resistance of rats during readaptation period after training in altered gas environment p 6 N86-10767 Human hemodynamic change under high atmospheric

N86-12966 [JPRS-CST-85-019] D 39 Protection of eyes against laser damage studied p 39 N86-12967 Biological life-support systems for long-duration space p 47 N86-14160 Architect discusses space habitat designs p 47 Energy exchange of plants under weightlessness anditions p 30 N86-14162 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-004] p 54 N86-14845 Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 5, September - October 1985 [JPRS-USB-85-007] p 54 N86-14848 Hygenic aspects of regular diet of flight personnel p 60 N86-14849 Metabolic distinctions of human red blood during long-term spaceflights p 60 N86-14850 Human body biomechanics and movements after 120-day antiorthostatic hypokinesia p 60 N86-14851 Functional activity of human serotoninergic and histaminergic systems during long-term antiorthostation p 60 N86-14852 hypokinesia Body position during hypokinesia, and fluid-electrolyte p 60 N86-14853 Microcirculation and cellular hemostasis in men with arterial hypertension submitted neutral-temperature dry immersion in wate p 61 N86-14854 Effect of positive pressure breathing on hemodynamics in patients with borderline hypertension submitted to water immersion p 61 N86-14855 Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856 Changes in physical condition, vestibular function and bone system of rats submitted to long-term rotation p 54 N86-14857 Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations p 54 N86-14858 Hemodynamic parameters as related tolerance to head-pelvis accelerations p 61 N86-14859 Changes in physicochemical properties of contractile and regulatory proteins in different types of muscles during and after exposure to accelerations p 61 N86-14860 Cumulative effect of coriolis accelerations on coronal hemodynamics p 61 N86-14861 Nystagmus as related to utricular function p 61 N86-14862 Individual differences in maximum oxygen uptake p 62 Significance of vestibular recruitment and directional dominance of nystagmus in diagnostic tests p 62 N86-14864 Age-related changes in electroencephalograms of p 62 N86-14867 Drugs and surfactants used to prevent cais p 54 N86-14868 Effect of 24,25-dihydroxycholecalciferol on amino acid metabolism of hypokinetic rats p 55 N86-14869 Biocidal synthetic coatings based on high-molecular metaloorganic compounds p 55 N86-14870 Combined effects of stressors on the level of spinal p 62 N86-14871 reflex arc structures USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-85-024] p 64 N86-14885 Voice analyzer for evaluating pilot's condition p 64 N86-14886 p 64 N86-14887 Alcohol effects on brain CNES of France researches remote control system for p 75 N86-15444 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Investigation of factors determining pilot's geocentric p 72 N86-15868 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871

China report: Science and technology

Oxygenation and regional circulation in gingival mucosal tissues under effect of head-to-pelvis p 65 N86-15872 accelerations investigation of some aspects of human amino acid metabolism during 120-day antiorthostatic hypokinesia p 65 N86-15873 Effect of 7-day immersion hypokinesia on characteristics of precision movements p 65 N86-15874 Effect of dry immersion model on parameters of fluid-electrolyte metabolism, blood plasma aldosterone and cortisol levels in individuals differing in body fluid content p 65 N86-15875 Intensity of lipid peroxidation in hypokinetic rat tissues p 56 N86-15876 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877 Basic results of experiments with long-term rotation of rats as applied to the problem of artificial gravity Man's tolerance to fulminant form of hypoxic hypoxia Investigation of catecholamine metabolism at high p 66 N86-15880 Determination of increment of Bacillus subtilis biomass p 57 N86-15881 in weightlessness Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882 Investigation of distinctions referable to growth, development and metabolism of Closteriopsis acicularis algae when cells are limited in nitrogen as related to biological life-support systems for man p 57 N86-15883 p 72 N86-15885 One aspect of crew training Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886 Informativeness of echo in pulsed ultrasonography of the brain (with use of model) p 66 N86-15887 Investigation of possibility of using two-frequency impedometry for estimation of proportion of total extracellular body fluids p 66 N86-15888
Automatic determination of cardiac output from rheogram of the trunk p 66 N86-15889 Functional state of the olfactory analyzer in a pressurized p 66 N86-15890 Gas chromatographic analysis of free fatty acids of skin surface lipids p 67 N86-15891 Investigation of mineral nutrition of a new form of microalgae to be used in biological life-support systems p 57 N86-15892 East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894 Tritium ingestion in rats p 58 N86-15895 USSR report: Life sciences. Biomedical and behavioral (JPRS-UBB-85-025) p 83 N86-16881 Advances in nerve cell research p 91 N86-16882 Dynamics of peroxide oxidation of lipids during stress p 83 N86-16883 p 95 N86-16884 Peptides and memory Mitochondrial manifestations of stress and response to hormonal stimulation and hydroaeroions p 84 N86-16885 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-001] p 109 N86-19828 Characteristics of effects of microbiological means of plant protection on organism p 109 N86-19829 p 109 N86-19831 cellar enzymology Fluorescent-polarization properties of chromophores of water-soluble proteins of normal and cataractal human p 118 N86-19832 Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833 Clinico-epidemiological characteristics of Q fever in Carpathian foothills p 118 N86-19834 Epidemiological supervision of poliomyelitis p 118 N86-19835 Investigation of reactogenic and antigenic activity of chromatographically purified, concentrated and inactivated dry vaccine against tick borne encephalitis p 119 N86-19837 Light induced damage to erythrocyte sensitized by tetrasulfophenyl porphin p 109 N86-19838

Covalent crosslinks between filaments in DNA induced

dravookhraneniye-85 at Moscow p 119 N86-19840 Magnets and surgical procedures p 119 N86-19841

sparing

concerning

Zdravookhraneniye-85 at Moscow

p 109 N86-19839

medicine

by laser

Thermovisual indicators of brain response to visual Production of gene bank from cotton plant chloroplast D 119 N86-19843 DNA foi HC/MF p 210 N86-23228 Neuronal response and evoked potentials in subcortical Production of gamma- and alpha-interferon by human formations in visual perception. formulation and principles of solution Part 1: blood leukocytes under successive induction conditions D 217 N86-23229 D 119 N86-19844 Farm animals as source of yersinios Respiratory function in inhabitants of northeastern p 217 NR6-23230 HSSR D 119 N86-19845 Test of erythrocyte antigen diagnostic agent for detecting Effects of 24 h sleep deprivation on biogenic amine antibodies to coxiella burnetti p 218 N86-23231 D 120 N86-19846 Detection of HBsAg in families of children with viral Visual form perception from halftone images hepatitis B p 218 N86-23232 p 120 N86-19847 HBeAg and its antibodies in carriers of HSsAg in various Problem of biological clocks: New data on circadian regions of USSR changes in status of human organism p 218 N86-23233 characteristics of epizootic process p 120 N86-19848 hemorrhagic fever with renal syndrome Enhancement of somniferous effects of thermal p 218 N86-23234 pulsation by simultaneous application to two reflexogenic AIDS-free USSR monitoring potential outbreak there p 120 N86-19849 Shklovskiy discusses possibility of extraterrestrial p 218 N86-23235 Antibiotic properties of bifidobacteria intelligence p 157 N86-20444 Salyut-7 electrophoresis experiments aid medical p 158 N86-20445 p 219 N86-23236 Effect of plasmids on virulence of pseudomonas research aeruginosa strains in mouse experiments Meteorological adaptation research at biology institute p 210 N86-23237 p 158 N86-20890 Artificial vaccines and stimulation of immunity USSR report: Space Biology and Aerospace Medicine, p 219 N86-23238 volume 19, no. 6, November - December 1985 Artificial antigens, vaccines reviewed [JPRS-USB-86-001] p 172 N86-21114 p 219 N86-23239 Spatial illusions of vestibular genesis during flights in roraft p 172 N86-21115 Obtaining hybridomas that synthesize monoclonal antibodies to polysaccharide of group a streptococcus Vestibular function in older individuals submitted to p 219 N86-23240 antiorthostatic hypokinesia for 30 days Fab-fragment of heterologic immunoglobulin for flu p 172 N86-21116 **Drophylaxis** and treatment p 219 N86-23241 Characteristics of accelerations in aerobatic flight as a Description of preparation of capsular antigen isolated D 172 N86-21117 from yersinia pestis strain EV D 219 Distinctions in reactions to active orthostatic and N86-23242 Study of cell-wall antigen determinants in ribosomal water-loading tests of subjects differing in tolerance to positive Gz accelerations p 173 N86-21118 preparations of group a streptococcus Effect of immersion hypokinesia on characteristics of p 220 N86-23243 Hypoxia prophylaxis against radiation injury programmed voluntary movements p 173 N86-21119 Cerebral circulation and oxygenation in healthy man p 220 N86-23244 Many medical uses foreseen for artificial skin during graded exercise in antiorthostatic position p 220 N86-23245 p 173 N86-21120 Search for DNA host specificity systems in salmonella Forced expiration parameters in healthy man submitted typhi p 210 N86-23247 to simulated weightlessness p 173 N86-21121 Electric sleep method of preventing fatigue build-up in Effect of restricted motor activity on alanine level in sailors on extended cruises human plasma p 173 N86-21122 p 235 N86-23248 Cloning and expression of leptospira pomona hemolysin Effect of weightlessness and some of its models on gene in escherichia coli D 211 N86-23249 mechanical properties of animal bones submitted to Assessment of selected physiological indicators in p 173 N86-21123 antenna operators at short-wave transmitting and receiving centers p 220 N86-23250 Role of vitamin D3 active metabolites in regulation of calcium metabolism in hypokinetic rats centers Status of calcium metabolism in p 174 N86-21124 Comparison of bone reactions of rats submitted to coal miners with vibration sickness p 220 N86-23251 p 211 N86-23252 Diseases in CEMA countries clinostatic and antiorthostatic hypokinesi Model of experimental pixuna virus infection in white p 174 N86-21125 Condition of thyroid gland and C cells during long-term p 211 N86-23253 Experimental evaluation of pathogenicity of different rotation (morphological and biochemical investigation) variants of lassa virus p 211 N86-23254 D 174 N86-21126 Standardization of conditions for measuring intensity of Condition of cardiovascular system in presence of acute specific fluorescence in continuous cell cultures infected mountain sickness p 174 N86-21127 with variants of Japanese encephalitis virus Rat brain impedance in stationary magnetic field p 211 N86-23255 p 174 N86-21128 Vaccine Proteins R and D on Salyut-7 Experimental arrhythmia and its prevention p 220 N86-23256 D 174 N86-21129 Meteorological adaptation research at biology institute Evaluation of condition of human skin in a closed nvironment by means of chromatography p 174 N86-21130 p 211 N86-23257 USSR report: Life sciences. Biomedical and behavioral Toxicological evaluation of gas emission from [JPRS-UBB-86-004] heat-stable tetrafluoroethylene-based polymers when n 212 NR6-23258 Estimate of emotional stress during working activity p 175 N86-21131 Greenhouses with curvilinear planting surface based on systems analysis of skin-galvanic read p 220 N86-23250 p 159 N86-21132 influence of complexity of control task on level of Device for combined study of visual tracking and verbal activation of operators physiological functions when p 175 N86-21133 working with waiting Effect of active antiorthostatic conditioning on tolerance p 221 N86-23260 Review of book on principles of aviation psychology to cranial redistribution of blood N86-21135 Some aspects of human amino acid metabolism at high n 235 N86-23261 Method of changes in reversible pattern masking as D 175 N86-21136 factor in visual perception p 221 N86-23263 Electrocardiogram in NEHB type leads of Macaca Oxygen-liberating mixtures for breathing apparatus mulatta monkeys p 175 N86-21137 D 241 N86-23264 USSR report: Life sciences. Biomedical and behavioral USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-86-002] [JPRS-UBB-86-008] p 209 N86-23222 p 278 N86-27869 Biochemical models for study of nerve cell processes Lactobacteria and prophylaxis in space

p 209

Interaction of asialoglycoprotein receptor of hepatocytes with chemically galactosilated acid alpha-glucosidase

Protein-protein interactions in systems with synthetic

Effect of intensive visible light on activity of glutathione

Discovery regarding electron redistribution among cell

peroxidase in pigmented epithelium of eye

polyelectrolytes

membranes

N86-23223

p 210 N86-23224

p 210 N86-23225

p 210 N86-23226

p 217 N86-23227

### Karolinska Inst., Stockholm (Sweden). Somatosensory and auditory perception according to study using focused ultrasound p 285 N86-27876 Change of RNA and protein level in neurons-glia system under effects of hyperthermia and hypoxia p 278 N86-27877 USSR report: Space Biology and Aerospace Medicine, no. 1, January - February 1986 [JPRS-USB-86-003] p 278 N86-27878 Prospects for using ultraviolet radiation in long-term paceflights p 285 N86-27879 spaceflights Experimental and general theoretical research: Nature of circulatory regulation in pilots p 285 N86-27880 Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation processes in man p 286 N86-27882 Effect of rhythmic photic interference on working electroencephalogram and efficiency of human p 292 N86-27883 movements Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884 Some human reactions during 7-day antiorthostatic hypokinesia p 286 N86-27885 Collagen, lipid and glycogen content of rat skeletal muscles in recovery period after 15- and 30-day hypokinesia p 279 N86-27886 hynokinesia Human central hemodynamics decompression p 286 N86-27887 Phasic processes in kinetics of formed blood elements p 286 N86-27888 Morphological and biochemical investigation of rat adrenocortical function during long-term hypokinesia p 279 N86-27889 Effect of diphosphonates on bones of hypokinetic rats p 279 N86-27890 Experiments with developing plants aboard Salyut-5, Salyut-6 and Salyut-7 oribital stations p 279 N86-27891 T and B components of immunity in the presence of acute mountain sickness p 286 N86-27892 Effect of different doses of ultraviolet radiation on vitamin levels in man p 287 N86-27893 Physical endurance of rats during intensive and repeated exposure to stationary magnetic field D 279 N86-27894 Radiobiological validation of quality factor of protons and helium ions p 287 N86-27895 Effect of dibasol and some of its imidazo analogues on animal tolerance to gravitational accelerations and dynamics of development of postischemic cerebrovascular phenomena p 279 N86-27896 Reproductive capacity of microflora on polymers used sealed environments p 280 N86-27897 in sealed environments Restraint system for waking Macaca mulatta monkeys during postural tests p 280 N86-27898 Method of demonstrating calcium in human foot by neutron activation of (alpha, N)-sources p 287 N86-27899 Direct spectrophotometric method of assaying ammonia concentration in gas environment of seeding chambers p 280 N86-2790 N86-27900 Amino acid spectrum of human blood in the present of emotional stress p 287 N86-27901 Blood serum enzymes during 7-day water immersion p 287 N86-27902 Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in the atmosphere p 280 N86-27903 Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] p 376 N86-28610 Resistance, exchange, and capacitance functions of skeletal muscle vessels in acute hypoxic hypoxia D 379 N86-28611 Jugenddorf Christophorusschule, Berchtesgaden (West Germany). Weather and asthma symptoms p 166 N86-21029 Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036

### K

p 285

Commentary on results of biological satellite program

Sweating reflex in complex of methods for evaluating

influence of shipboard environmental factors on

Effects of cold exposure on thermal status of men and

Study of brain biochemistry during hypothermia

conditioned reflex activity of experimental animals during

operator efficiency

long voyage

N86-27870

p 278 N86-27871

p 285 N86-27872

p 278 N86-27873

p 285 N86-27874

p 285 N86-27875

Kansas State Univ., Manhattan. Improved flexibility of an EVA glove p 433 A86-48713 Stochastic models of man-machine effectiveness p 242 N86-24216 Karolinska inst., Stockholm (Sweden). Lung volumes and dynamic compliance during immersion and oxygen breathing p 122 N86-19860 An attempt to counteract nitrogen narcosis by naloxone administration p 123 N86-19865

Environmental Control and Life Support Systems

Kentron International, Inc., Hampton, Va.

[SAE PAPER 851376]	n application p 140 A86-23559
Effects of digital altimetry on pilot	
[SAE PAPER 841489]	p 132 A86-26019
Kentucky Univ., Lexington.  Physiology/biochemistry of pho	stanctivation of O2
evolution: Probes for the S-state pro [DE85-016834]	
Ultrasonic quantification of blood	volume redistribution
under hypergravity [AD-A164379]	p 257 N86-25982
Kenyon Coll., Gambier, Ohio.	p 207 1400-20902
Effect of calmodulin and auxin to	ansport inhibitors on
calcium net uptake along apical con	
Kiel Univ. (West Germany).	p 196 A86-30412
Long duration confinement of	
weightlessness (aquaspace)	p 389 N86-29531
Konstanz Univ. (West Germany). Investigations of Paramecium ce	ells analyzed under
microgravity conditions	p 387 N86-29518
L	
La Jolla Inst., Calif.  Nonlinear mechanisms in	physiology and
Nonlinear mechanisms in pathophysiology Toward a dynamica	physiology and al theory of health and
disease	p 422 A86-49636
Lambuth Coll., Jackson, Tenn.	
A preliminary study of flat-panel of	p 236 N86-24546
Lawrence Livermore National Lab.,	•
Somatic cell and molecular gener	
repair and mutagenesis	- 4 NOC 10707
[DE85-014181] Detection of chromosomal ab	p 4 N86-10737
sperm	nomanuos m numan
[DE85-014178]	p 7 N86-11834
Prospects for DNA methods to me	asure human heritable
mutation rates [DE85-014555]	p 17 N86-11847
Psychological aspects of personn	•
[DE85-012955]	p 21 N86-11853
	chromatid exchange
frequencies in humans [DE85-016084]	p 64 N86-14883
Design guidelines for the use of a	•
interfaces	- 044 - 1100 00004
[DE85-015176] Suit penetration study: Preliminary	p 241 N86-23281
a circular cylinder	analysis of now about
[DE86-005760]	p 385 N86-28623
Striving for natural usage [DE86-009402]	p 435 N86-32105
Human Factors Review Plan	p 435 1400-32105
[DE86-010561]	p 444 N86-33023
Leiden Univ. (Netherlands).  Photochemical reactions in inters	tellar araine photolysis
of CO, NH3, and H2O	p 189 A86-28721
Infrared spectral identification	of complex organic
molecules in interstellar grains	p 296 A86-38140
On interacting populations the crowding: The effect of a sedental	y colony
[REPT-4]	p 181 N86-21145
Letterman Army Inst. of Research, Calif.	San Francisco,
Effect of hydration on plasma v	asopressin, renin, and
aldosterone responses to head-up	
Energy expenditure and activity	p 253 A86-36311
the United States Military Academ	
York	
[AD-A157857] A multi-isotope procedure for sim	p 38 N86-12960
the volume of body fluid compartm	
[AD-A159631]	p 64 N86-14881
Computer visual simulation of cor induced by laser and chemical anti	
induced by laser and chemical and	p 294 N86-26813
Effects of broad-banded eye	
adaptation Foveal flashes and human perfo	p 284 N86-26817
. 575a. Habitoo alfa Haman perio	p 284 N86-26822
Permanent visual change ass	sociated with punctate
foveal lesions Acute oral toxicity (LD50) of gua	p 284 N86-26823
rats	mano nyarodinonde in
[AD-A165747]	p 376 N86-28608
Life Systems, Inc., Cleveland, Ohio Phase change water processing	
[SAE PAPER 851346]	p 139 A86-23532
-	

Abrasion-resistant aluminized-coated aramid fabrics for manufacture of firefighters' protective clothing [AD-A157056] p 75 N86-14901 Lockheed Missiles and Space Co., Sunnyvale, Calif. Minimum pressure for a zero-prebreathe pressure suit p 137 A86-23505 [SAE PAPER 851315] Considerations in the design of life sciences research facilities for the Space Station p 2
London Hospital Medical Coll. (England). p 200 A86-30441 p 10 A86-11833 The skeleton in space London Univ. (England). Effect of inactivity and passive stretch on protein turnover in phasic and postural rat muscles p 413 A86-47871 Flevations of plasma endotoxin levels and ivacsomal enzyme activities in divers during a simulated chamber p 123 N86-19866 dive to 300 msw Lone Star Army Ammunition Plant, Texarkana, Tex. Evaluation of materials for thermal protection p 187 N86-20638 FAD-P0049011 Los Alamos National Lab., N. Mex. Raman activity in synchronously dividing bacteria n 28 N86-12951 New roles for computation in the life sciences p 158 N86-21100 [DE85-017542] EFFECTS: Documentation and verification for a BEIR 3 cancer risk model based on age, sex and population dynamics for BIOTRAN p 226 N86-24210 [DE86-003285] DNA analysis of epithelial cell suspensions [DE86-002403] p 249 N86-25977 Toxicological study of NTO p 258 N86-25986 [DE86-003296] Louisiana State Univ., Shreveport. The effect of antimotion sickness drugs on habituation p 377 A86-41780 Louisville Univ., Ky. Thymic involution in the suspended rat - Adrenal hypertrophy and glucocorticoid receptor content p 106 A86-25660 Effect of flight in mission SL-3 on interferon-gamma p 204 A86-30467 production by rats Effect of seven days of spaceflight on hindlimb muscle protein, RNA and DNA in adult rats p 204 A86-30471 The use of suspension models and comparison with true weightlessness p 205 A86-30480 Enhancing effects of gamma interferon on phagocytic cell association with and killing of Trypanosoma cruzi p 371 A86-40666 Development and testing of a mouse simulated space flight model [NASA-CR-176359] p 29 N86-13878 Luebeck Univ. (West Germany). Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo p 388 N86-29524 and in vitro Management and Technical Services Co., Houston, Human physiological adaptation to extended Space Flight and its implications for Space Station [SAE PAPER 851311] p 110 p 110 A86-23502 An analysis of estimation of pulmonary blood flow by the single-breath method p 413 A86-47872 Management and Technical Services Co., Washington, D.C. Understanding metabolic alterations in space flight using quantitative models - Fluid and energy balance [IAF PAPER 85-325] p 36 A86-15830 Exobiology experiments for space station p 243 A86-30453 USSR Space Life Sciences Digest, Issue 2 p 28 N86-12949 [NASA-CR-3922(02)] USSR Space Life Sciences Digest, issue 3 p 106 N86-18949 [NASA-CR-3922(03)] USSR Space Life Sciences Digest, issue 4 p 209 N86-23218 [NASA-CR-3922(04)] USSR Space Life Sciences Digest, issue 5 p 248 N86-25109 [NASA-CR-3922(05)]

Space Station Environmental Control/Life Support Marburg Univ. (West Germany). System engineering A learning model as a basis for investigations of the I SAE PAPER 8513751 p 140 A86-23558 effects of gravity on the learning processes and memory Environmental control/life support system for Space p 389 N86-29525 Station p 407 A86-45692 Marquette Univ., Milwaukee, Wis. Little (Arthur D.), Inc., Cambridge, Mass. Recovery in skeletal muscle contractile function after prolonged hindlimb immobilization p 1 A86-10109 Models of disuse - A comparison of hindlimb suspension and immobilization p 391 A86-44196 Muscle fatigue: Physiological and biochemical studies p 120 N86-19851 Martin Marietta Aerospece, Denver, Colo. Growth evolution of the Space Station ECLSS p 407 A86-46943 [AIAA PAPER 86-2313] Teleoperator human factors study p 23 N86-11854 [NASA-CR-176310] Martin Marietta Corp., Baitimore, Md. An analysis of the productivity of a CELSS continuous algal culture system
Martin Marietta Corp., Denver, Colo. p 151 N86-19927 Characterization of good teleoperators - What aptitudes, interests, and experience correlate with measures of teleoperator performance p 268 A86-33828 Maryland Univ., Baltimore. Testosterone and muscle hypertrophy in female rats p 2 A86-12026 Effects of suspension hypokinesia/hypodynamia on rat skeletal muscle D 26 A86-14313 Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat p 49 A86-16901 Event-related potential indices of workload in a single p 130 A86-23733 Simulated hypogravity and synaptogenesis in culture p 194 A86-30401 Processing inferences derived from event-related potential measures in a monitoring task p 262 A86-33822 Acute pulmonary effects of formaldehyde exposure in humans [DE85-014728] p 17 N86-11848 A possible role for endogenous glucocorticoids in orchiectomy-induced atrophy of the rat levator ani muscle: Studies with RU38486, a potent and selective antiglucocorticoid [NASA-CR-177029] p 411 N86-30343 Maryland Univ., College Park.

Determination of symmetry and phase in human visual response functions: Theory and experiments p 15 N86-10769 Binocular image flows: Steps toward stereo - motion fusion [AD-A158089] p 67 N86-15901 Synthesis and analysis in studies of p 300 N86-26864 evolution Massachusetts Inst. of Tech., Cambridge. Spacelab experiments on space motion sickness [IAF PAPER 85-312] p 35 A86p 35 A86-15823 Potential for utilization of algal biomass for components of the diet in CFLSS [SAE PAPER 851388] p 140 A86-23567 Utilization of non-conventional systems for conversion of biomass to food components: Potential for utilization of algae in engineered foods INASA-CR-1762571 p 6 N86-11830 Hypothesizing and refining causal models [AD-A158165] p 43 N86-13893 Generating and generalizing models of visual objects [AD-A158197] p 43 N86-13894 Effect of time span and task load on pilot mental workload [NASA-CR-177388] p 99 N86-16901 Use of tyrosine or foods to amplify catecholamine [AD-A160274] p 108 N86-18958 On the analysis and design of human information processing organizations p 136 N86-19902 [AD-A161015] Potential for utilization of algal biomass for components of the diet in CELSS p 148 N86-19907 A procedure-based approach to human information processing models [AD-A162454] p 181 N86-21144 Modeling electrocardiograms using interacting Markov [AD-A162758] p 178 N86-22105 A methodology for the analysis and design of human information processing organizations [AD-A162083] p 235 N86-24214 USSR Space Life Sciences Diges: Index to Issues 1-4 Origin of life and iron-rich clays p 300 N86-26866 [NASA-CR-3922(06)] p 248 N86-25971 Base pairing and base mis-pairing in nucleic acids USSR Space Life Sciences Digest, Issue 6 p 304 N86-26881 p 277 N86-27864 [NASA-CR-3922(07)] Effect of time span and task load on pilot mental USSR Space Life Sciences Digest, issue 7 workload [NASA-CR-3922(08)] p 416 N86-32083 [NASA-CR-177099] p 382 N86-29502

SOMPOHATE SOURCE
Effects of consuming various foods and nutrients on
objective and subjective aspects of human performance
and behavior [NASA-CR-177003] p 385 N86-29509
Perspective projection invariants
[AD-A167783] p 428 N86-32968 The impact of physical and mental tasks on pilot mental
workoad p 437 Nag-32982
#255achusetts Univ., Amherst.
Recent observations of organic molecules in nearby cold, dark interstellar clouds p 296 A86-38139
Biological investigations of adaptive networks. Neuronal
control of conditioned responding [AD-A160345] p 126 N86-19887
Boundary conditions for the paleoenvironment
Chemical and Physical Processes in dense interstellar clouds
lassachusetts Univ., Worcester.
Potential for cross-reactive protection using peptides and adjuvants or carrier molecules
[AD-A160360] n 108 N86-10826
laterials Research Labs., Ascot Vale (Australia)
A lightweight impermeable suit for chemical protection in warm conditions: A preliminary look at the concept
AD-A10400/  n 205 Nec 2020
lax-Planck-inst, fuer Physiologische und Klinische Forschung, Bad Nauhelm (West Germany).
The interface between atmosphere and organism
p 164 N86-21014 IcGill Univ., Montreal (Quebec).
Canadian medical experiments on Shuttle Flight 41-G
p 110 A86-22996 ledical Biological Lab. RVO-TNO, The Hague
(Netherlands).
Report of the symposium on biological monitoring of
exposure to metals and other inorganic compounds [MBL-1985-6] p 85 N86-17980
edical Coll. of Ohio, Toledo.
Bioassay of military relevant compounds for carcinogenic activity by the strain A mouse lung tumor
Dioassay
[AD-A156772] p 93 N86-17981 edical Colt. of Virginia, Richmond.
Device for rapid quantification of human carotid
baroreceptor-cardiac reflex responses
p 162 A86-28125 edical Coll. of Wisconsin, Milwaukee.
Changes in muscle protein composition induced by
electrophoresis p 200 A86-30440
Morphological and biochemical changes in soleus and
extensor digitorum longus muscles of rats orbited in Spacelab 3 p 203 A86-30464
esserschmitt-Boelkow-Blohm G.m.b.H., Bremen
(West Germany).  Description of concept and first feasibility test results
of a life support subsystem of the Botany Facility based
on water reclamation p 149 N86-19912 sserschmitt-Boelkow-Biohm G.m.b.H., Munich (West
Germany).
Cockpit automation requirements derived from mission functions data
eteorologischer Dienst der DDR, Berlin (East
Germany). On the importance of cooling in climatic therapy
p 165 N86-21020
ami Univ., Coral Gabies, Fla.
Protobiological informatoin, bidirectional recognition and reverse translation p 303 N86-26878
ami Univ., Fia.
Characterization and optimization of hydrogen
Production by a sair water blue-gross also Carillas
production by a salt water blue-green alga Oscillatoria sp. Miami BG 7. II - Use of immobilization for enhancement
of hydrogen production
Milatti bu 7. 11 - Use of immobilization for enhancement

[SAE PAPER 851956]

[IAF PAPÉR 85-311]

mechanism of plants

Michigan Univ., Ann Arbor.

after space flight

mi Univ., Oxford, Ohio.

Michigan State Univ., East Lansing.

presence and absence of motion

Preliminary studies with prototype trainers

Michael Reese Research Foundation, Chicago, III.

Space motion sickness preflight adaptation training

Morphology of human embryonic kidney cells in culture

An attempt to localize and identify the gravity sensing

Enhancing effects of gamma interferon on phagocytic

Judgments of natural and anomalous trajectories in the

cell association with and killing of Trypanosoma cruzi

Vertebrate gravity sensors as dynamic systems

p 270 A86-35454

p 35 A86-15822

p 201 A86-30452

p 197 A86-30417

p 371 A86-40666

p 69 A86-16922

p 193 A86-30391

Otoconial morphology in space-flown rats p 204 A86-30470 Photochemistry of methane and the formation of hydrocyanic acid (HCN) in the earth's early atmosphere p 243 A86-30697 Development of intuitive theories of motion - Curvilinear motion in the absence of external forces p 426 A86-49521 Circadian variation in host defense p 158 N86-21098 Antiemetic drugs and pilot performance [AD-A162109] p 224 N86-24200 The lunar nodal tide and the distance to the Moon during the Precambrian era Midwest Research Inst., Kansas City, Mo. p 305 N86-26886 Development of thermoelectric water heating-cooling devices [AD-A166949] p 409 N86-31221 Militair Hospitaal Dr. A. Mathijsen, Utrecht (Netherlands). Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Milisaps Coll., Jackson, Miss. Morphological evidence of mechanoreceptive gravity perception in a water flea - Daphnia magna p 199 A86-30435 Minnesota Univ., Duluth. Suppression of antibody forming cells by muramyl Di-peptides [AD-A162400] p 159 N86-22084 Studies on the mechanism of suppression of the immune response by synthetic, non-toxic adjuvants
[AD-A162444] p 160 N86-22085 Minnesota Univ., Minneapolis. HLA-D: The T cell perspective p 84 N86-17976 Clonal analysis of HLA-DR and -dQ associated [AD-A160019] determinants: Their contribution to dw specificitie [AD-A160059] p 84 N86-17977 Molecular approaches to selective immunization Sequence polymorphism of HLA-DR beta 1 alleles relating to T cell-recognized determinants [AD-A160237] DNA and protein studies of HLA class 2 molecules: Their relationship to T cell recognition [AD-A160704] p 116 N86-18968 Resting metabolic rate in men following prolonged eadmill exercise p 121 N86-19853 treadmill exercise Proceedings of the Item Response Theory and Computerized Adaptive Testing Conference AD-A1630401 p 265 N86-25990 Mississippi State Univ., Mississippi State. Standardization of carbon-phenolic composite test methodology p 243 N86-24527 Missouri Univ., Columbia. Solid waste treatment processes for space station p 47 N86-14091 MODEC, Cambridge, Mass. Supercritical waste oxidation of aqueous wastes p 150 N86-19922 Molecular Research Inst., Palo Alto, Calif. Interstellar isomers p 298 N86-26848 Monsanto Research Corp., Miamisburg, Ohio. Light-Weight Radioisotope Heater Unit Safety Analysis Report (LWRHU-SAR). Volume 1. A. Introduction and executive summary. B. Reference Design Document [DE86-001457] p 172 N86-21113 Morgan State Univ., Baltimore, Md.

Comparative effect of lunar fines and terrestririal ash on the growth of a blue-green alga and germinating radish seeds p 30 N86-14097

Museo Argentino de Ciencias Naturales, Buenos Aires.

Microplankton species assemblaces at the Scripps Pier

from March to November 1983 dur	ing the 1982-1984 El
Nino event	p 207 A86-31833
N	
National Academy of Sciences - Na Council, Houston, Tex.	
Emergent techniques for ass performance	sessment of visual
[PB86-144755]	p 258 N86-25988
National Academy of Sciences - Na	tional Research
Council, Washington, D. C.	
Studies of participants in nuclear	tests
	p 38 N86-12964
Models for biomedical research:	
[PB85-240067]	p 83 N86-16880
Study of biotechnology applied development	to research and
[AD-A161877]	p 212 N86-24185

National Aeronautics and Space Administration, Washington, D.C. The skeleton in space p 10 A86-11833 Development of countermeasures for use in space [IAF PAPER 85-327] p 36 A86-15832 Exobiology experiments for space station p 243 A86-30453 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 275) [NASA-SP-7011(275)] p 15 N86-10768 Aerospace Medicine and Biology Continuing Bibliograph: continuing bibliography with indexes [NASA-SP-7011(276)] p 37 N86-12954 Life sciences accomplishments [NASA-TM-88177] p 29 N86-13879 Aerospace Medicine and Biology: A continuing Bibliography with Indexes [NASA-SP-7011(277)] n 92 NR6-16888 Summaries of 1984-85 NASA space-gravitational iology accomplishments [NASA-TM-88379] p 107 N86-18950 Aerospace medicine and biology: bibliography with indexes (supplement 279) A continuing [NASA-SP-7011(279)] p 114
Aerospace medicine and biology: A
bibliography with indexes (supplement 281)
[NASA-SP-7011(281)] p 120 D 114 N86-18960 p 120 N86-19850 The human factor: Biomedicine in the manned space program to 1980 [NASA-SP-42131 p 158 N86-21097 Publications of the exobiology program for 1984: A special bibliography [NASA-TM-88382] p 189 N86-21150 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 282) [NASA-SP-7011(282)] p 176 N86-22093 The history of aeronautical medicine in Venezuela INASA-TM-777091 p 176 N86-22094 Aerospace Medicine and Biology: A Cumulative Index to the 1985 leave [NASA-SP-7011(280)] p 221 N86-23265 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 283) [NASA-SP-7011(283)] p 223 N86-24192 Aerospace Medicine and Biology: A continuing bibliography with indexes (supplement 284) [NASA-SP-7011(284)] p 255 N86-25111 Aerospace Medicine and Biology: A continuing beliography with indexes [NASA-SP-7011(285)] p 282 N86-26797 Second Symposium on Chemical Evolution and the INASA-CP-24251 p 297 N86-26844 A gas chromatograph experiment for a Titan entry probe p 299 N86-26856 Exobiology experiment concepts for space station p 310 N86-27152 Aerospace Medicine and Biology: A Continuing Bibliography with Indexes [NASA-SP-7011(278)] p 287 N86-27905 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 286) [NASA-SP-7011(286)] p 379 N86-28612 Modification of cytogenetic and physiological effects of pace flight factors by biologically active compounds [NASA-TM-87987] p 386 N86-28624 Monkeys as a source of viral diseases in man [NASA-TM-78017] p 386 N86-28625 Life Sciences Space Station planning document: A reference payload for the Life Sciences Research [NASA-TM-89188] p 393 N86-30302 Aerospace medicine and biology: A continuing bibliography with indexes (supplement 288) [NASA-SP-7011(288)] p 422 N86-32088 NASA Facts: Space Shuttle food systems [NF-150/1-86] p 434 N86-32102 National Aeronautics and Space Administration. Ames Research Center, Moffett Field, Calif. Exercise hyperthermia as a factor limiting physical performance - Temperature effect on metabolism p 1 A86-10104 Blood pressure and plasma renin activity as predictors of orthostatic intolerance p 32 A86-14312 The evolution of complex life [IAF PAPER 85-465] p 48 A86-15919 Dicyclohexylcarbodiimide-sensitive ATPase

Halobacterium saccharovorum

presence and absence of motion

Judgments of natural and anomalous trajectories in the

Ames Research Center life sciences payload - Overview

of results of a spaceflight of 24 rats and 2 monkeys
[AIAA PAPER 85-6092]

p. 50, A86.1

p 49 A86-16902

p 69 A86-16922

p 50 A86-17607

The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679 increased gluconeogenesis in rats exposed to hyper-G p 52 A86-18397 Pilots of the future - Human or computer p 74 ARR-18541 Ames Research Center Life Sciences Payload Overview of results of a spaceflight of 24 monkeys
[AIAA PAPER 86-0583] A86-19963 Volume and density changes of biological fluids with p 79 A86-20001 temperatura Bedrest-induced peak VO2 reduction associated with age, gender, and aerobic capacity p 87 A86-20402 Mechanism for negative water balance during eightlessness An hypothesis A86-22664 p 91 Increased gluconeogenesis in rats exposed to hyper-G p 103 A86-23311 Electrochemical CO2 concentration for the Space Station Program p 138 A86-23528 [SAE PAPER 851341] Space Station nitrogen supply system based on stored chemicals [SAE PAPER 851349] p 139 A86-23535 Space Station life sciences guidelines for nonhuman experiment accommodation [SAE PAPER 851370] D 104 Wet exidation of a spacecraft model waste [SAE PAPER 851372] p 140 A86-23555 Space Station crew safety - Human factors A86-23742 D 143 Inflight evaluation of four measures of pilot workload p 130 A86-23745 Preparing for the unexpected - A psychologist's case p 132 A86-26033 for improved training Psychological and interpersonal adaptation to Mars TAAS 84-1861 p 179 A86-28812 Cognitive network organization and cockpit automation p 237 A86-29858 Pitch change thresholds as influenced by angular rate and duration of the apparent horizon's displacement p 227 A86-29867 Can pilots time-share better than non-pilots? p 238 A86-29874 Causes of dissociation between subjective workload measures and performance - Caveats for the use of subjective assessments p 238 A86-29875 Techniques of subjective workload assessment - A comparison of two methodologies p 238 Predicted versus experienced workload performance on a supervisory control task p 227 A86-29879 Measuring pilot workload in a motion base trainer - A comparison of four techniques p 239 A86-29880 p 239 A86-29880 Cockpit resource management attitude-performance linkage Exploring p 229 A86-29899 The evolution of CELSS for lunar bases p 239 A86-30164 Spaceflight and calcium metabolism p 192 A86-30378 Mechanisms for negative water balance during weightlessness Immersion or bed rest? p 214 A86-30386 Growth and development of mice and rats conceived and reared at different G-intensities during chronic p 195 A86-30403 centrifugation A marsupial model for the investigation of gravitational fects on early development p 195 A86-30404 effects on early development Amphibian fertilization and development p 195 A86-30408 microgravity Bone loss during simulated weightlessness glucocorticoid mediated? p 197 A86-30423 Effect of simulated weightlessness and chronic on 1,25-dihydroxyvitamin D administration hone p 198 A86-30425 metabolism Oxygen consumption during cold exposure at 2.1 G in rats adapted to hypergravic fields n 199 A86-30432 Transient dehydration of lungs in tail-suspended rats p 200 A86-30438 Changes in muscle protein composition induced by atrophy Analysis by two-dimensiona electrophoresis n 200 A86-30440 Space Station life science research facility - The vivarium/laboratory p 201 A86-30449 Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3 p 201 A86-30454 Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3 p 202 A86-30459 Morphological and biochemical changes in soleus and extensor digitorum longus muscles of rats orbited in Spacelab 3 p 203 A86-30464 Microgravity changes in heart structure and cyclic-AMP metabolism p 203 A86-30465

Reduction of the spermatogonial population in rat testes multiplex gas chromatography: A novel analytical flown on Space Lab-3 p 203 A86-30466 technique for future planetary studies Effect of flight in mission SL-3 on interferon-gamma p 299 N86-26860 production by rats p 204 A86-30467 Ion Mobility Drift Spectrometer (IMDS) as a flight Osteocalcin as an indicator of bone metabolism during p 300 N86-26861 analytical instrument technique p 205 A86-30474 spaceflight Isotopic characterisation of prebiotic synthesis of organic The use of suspension models and comparison with material p 300 N86-26865 p 205 true weightlessness A86-30480 Molecular microenvironments: Solvent interactions with Photochemistry of methane and the formation of hydrocyanic acid (HCN) in the earth's early atmosphere nucleic acid bases and ions p 302 N86-26872 Carbon exchange between the mantle and the crust p 243 A86-30697 and its effect upon the atmosphere: Today compared to Window of visibility - A psychophysical theory of fidelity p 304 N86-26882 in time-sampled visual motion displays Is the ATPase from halobacterium saccharovorum an p 240 A86-32451 p 306 N86-26891 evolutionary relic? Effect of simulated weightlessness on exercise-induced Oxygen and the evolution of metabolic pathways p 250 A86-33756 aerobic threshold p 307 N86-26995 Assessing subjective workload assessment - comparison of SWAT and the NASA-bipolar methods Organic S13C values vary slightly with salinity in microbial mats at Guerrero Negro, Baja California Sur, p 259 A86-33783 Mexico: Implications for stromatolite S13C values p 308 N86-26900 To speak or not to speak - A multiple resource perspective p 259 A86-33784 Climatic consequences of very high CO2 levels in Earth's The effect of varying task difficulty on subjective early atmosphere p 308 N86-26904 p 261 A86-33808 workload erview of the NASA SETI Program Realistic training for effective crew performance p 309 N86-26909 p 264 A86-35446 **ISAE PAPER 8519161** US monkey and rat experiments flown on the Soviet Assessment of simulation fidelity using measurements Satellite Cosmos 1514 p 264 A86-35667 of piloting technique in flight. II [NASA-TM-88223] p 375 N86-28606 Cardiovascular dynamics associated with tolerance to Crew factors in flight operations. Part 4: Sleep and lower body negative pressure p 253 A86-36310 wakefulness in international aircrews Effect of hydration on plasma vasopressin, renin, and [NASA-TM-88231] p 379 N86-28613 aldosterone responses to head-up tilt Torso sizing ring construction for hard [NASA-CASE-ARC-11616-1] p 253 p 384 N86-28618 Plasma viscosity elevations with simulated Elbow and knee joint for hard space suits p 253 A86-36312 veiahtlessness p 384 [NASA-CASE-ARC-11610-11 N86-28619 Water and electrolytes p 376 A86-40660 Shoulder and hip joint for hard space suits [NASA-CASE-ARC-11543-1] p 384 Carbon isotopic fractionation in heterotrophic microbial p 384 N86-28620 p 371 A86-40669 metabolism Skeletal response to short-term Phase shifting two coupled circadian pacemakers [NASA-TM-88778] N86-29496 p 379 p 377 A86-40684 Implications for jet lag Shoulder and hip joints for hard space suits and the Displacement thresholds in central and peripheral vision during tracking p 378 A86-41782 [NASA-CASE-ARC-11534-1] p 385 N86-29507 Halobacterium denitrificans sp. nov., an extremely The temporal response of bone to [NASA-TM-89228] unloading p 397 N86-30303 p 374 A86-43438 halophilic denitrifying bacterium Continuous blood densitometry - Fluid shifts after graded Division of attention as a function of the number of steps, p 392 hemorrhage in animals visual shifts, and memory load of hydration on some orthostatic [NASA-TM-88775] Effect p 404 N86-30328 haematological responses to head-up tilt NASA Workshop on Animal Gravity-Sensing Systems [NASA-TM-88249] p 419 A86-49225 p 417 N86-32950 Method of high-precision microsampled blood and Twenty-First Annual Conference on Manual Control plasma mass densitometry p 419 A86-49250 p 436 N86-32976 INASA-CP-24281 Development of intuitive theories of motion - Curvilinear Levels of Information Processing in a Fitts law task p 436 N86-32980 motion in the absence of external forces (LIPFitts) p 426 A86-49521 The effects of stimulus modality and task integrality: Fluid and protein shifts after postural changes in Predicting dual-task performance and workload from p 421 A86-49523 humans single-task levels p 436 N86-32981 Halobacterium denitrificans sp. nov. - An extremely Memory and subjective workload assessment halophilic denitrifying bacterium p 414 A86-49524 p 437 N86-32983 Structural correlates of aging in Drosophila - Relevance Evaluation of 2 cognitive abilities tests in a dual-task nvironment p 438 N86-32988 to the cell differentiation, rate-of-living and free radical theories of aging p 415 A86-49999 p 438 environment Aircrew coordination and decisionmaking: Peer ratings Life sciences research on the space station: An of video tapes made during a full mission simulation p 440 N86-32999 introduction [NASA-TM-86836] p 3 N86-10734 Virtual space and 2-dimensional effects in perspective The synthesis and analysis of color images p 441 N86-33005 displays p 20 N86-10777 [NASA-TM-86844] ninistration. Flight National Aeronautics and Space Adm Plasma volume methodology: Evans blue. Research Center, Edwards, Calif. hemoglobin-hematocrit, and density Pilot usage of decoupled flight path and pitch controls transformations p 236 A86-29854 p 37 N86-12956 [NASA-TM-86834] National Aeronautics and Space Administration. Human factors in space station architecture 1: Space Goddard Space Flight Center, Greenbelt, Md. station program implications for human factors research Cutting head for ultrasonic lithotripsy [NASA-CASE-GSC-12944-1] p [NASA-TM-86702] p 46 N86-13900 p 126 N86-19885 Animal studies on Spacelab-3 itional Aeronautics and Space Administration. John p 92 N86-16889 [NASA-TM-88212] F. Kennedy Space Center, Cocoa Beach, Fla. Effects of 9-hour time zone changes on fatigue and Controlled ecological life support systems for space circadian rhythms of sleep/wake and core temperature p 98 A86-22325 [NASA-TM-88197] p 92 N86-16890 Effect of simulated weightlessness on exercise-induced p 250 Controlled Ecological Life Support Systems: CELSS anaerobic threshold 1985 Workshop Cardiovascular responses of women to lower body [NASA-TM-88215] p 148 N86-19906 p 377 A86-41779 negative pressure Plan for CELSS test bed project p 149 N86-19915 Airborne trace contaminants of possible interest in Plant growth chamber M design p 149 N86-19916 **CELSS** p 150 N86-19923 Physical, anthropometrical, and body composition CELSS science needs p 151 N86-19925 characteristics of workers at Kennedy Space Development of space technology for ecological [NASA-TM-83102] p 272 N86-25122 p 153 N86-19943 habitats National Aeronautics and Space Adm inistration. Characterization of biogenic elements in interplanetary Lyndon B. Johnson Space Center, Houston, Tex.
Cardiovascular deconditioning during space flight and p 297 N86-26846 dust particles Molecular and Elemental Dust Analyzer (MEDA) for the the use of saline as a countermeasure to orthostati comet rendezvous asteroid flyby mission intolerance p 8 A86-10257 p 299 N86-26857 Space motion sickness preflight adaptation training Investigation of porous polymer gas chromatographic Preliminary studies with prototype trainers packings for atmospheric analysis of extraterrestrial [IAF PAPER 85-311] p 35 A86-15822 hodies p 299 N86-26858 Physiologic adaptation to space Space adaptation Miniature metastable ionization detectors for exobiology ght experiments p 299 N86-26859

[IAF PAPER 85-313]

p 35 A86-15824

flight experiments

The human cardiovascular system in the absence of	Utility of an emulation and simulation computer model	Control loops with human analysis is
gravity [IAF PAPER 85-315] p 35 A86-15825	for air revitalization system hardware design, development, and test	Control loops with human operators in space operations.  Part 2: Robotics operations and manual control
Spacelab life sciences flight experiments - An integrated	[SAE PAPER 851377] p 140 A86-23560	experiment
approach to the study of cardiovascular deconditioning	Effects of digital altimetry on pilot workload	[NLR-TR-84116-L-PT-2] p 444 N86-33024 National Aerospace Lab., Tokyo (Japan).
and orthostatic hypotension [IAF PAPER 85-316] p 36 A86-15826	[SAE PAPER 841489] p 132 A86-26019	CELSS experiment model and design concept of gas
Red blood cell decreases of microgravity	Visual scanning behavior p 178 A86-28452	recycle system p 148 N86-19909
[IAF PAPER 85-324] p 36 A86-15829 Endocrine correlates of susceptibility to motion	Human productivity of Space Station p 268 A86-33813	Gas and water recycling system for IOC vivarium experiments p 150 N86-19920
sickness p 59 A86-18834	Space telerobotics - A few more hurdles	Water recycling system using thermopervaporation
Development of a zero-prebreathe spacesuit	p 272 A86-37047	method p 150 N86-19921
p 96 A86-19304 An expert systems approach to automated fault	On the biological hazard of galactic antinuclei	Electrodermal changes corresponding to the degree of discomfort induced by motion sickness
management in a regenerative life support subsystem	p 378 A86-43437  Design for a goal-oriented telerobotic system	[NAL-TR-880] p 176 N86-22096
[AIAA PAPER 86-0321] p 98 A86-19811	[AIAA PAPER 86-2090] p 429 A86-47440	National Aerospace Medical Centre, Soesterberg (Netherlands).
Regulation of hematopoiesis in rats exposed to antiorthostatic hypokinetic/hypodynamia. II - Mechanisms	Automation and robotics for Space Station in the	Dynamic behaviour of spherical and aspherical contact
of the 'anemia' p 80 A86-20404	twenty-first century [AIAA PAPER 86-2300] p 434 A86-49552	lenses exposed to +Gz-acceleration forces
Orbital flight test of the manned maneuvering unit	Effects of digital altimetry on pilot workload	p 294 N86-26816 Activities report on physical and psychological health
p 98 A86-21068 Human physiological adaptation to extended Space	[NASA-TM-86424] p 42 N86-13892	of flying personnel
Flight and its implications for Space Station	Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1] p 187 N86-21147	[ETN-86-97385] p 423 N86-32093
[SAE PAPER 851311] p 110 A86-23502	[NASA-CASE-LAH-13393-1] p 187 N86-21147 Drop foot corrective device	Activities report on physical and psychological health of flying personnel
Physiological considerations for EVA in the Space Station era	[NASA-CASE-LAR-12259-2] p 188 N86-22112	[ETN-86-97386] p 423 N86-32094
[SAE PAPER 851313] p 111 A86-23504	Baseline experiments in teleoperator control	National Biomedical Research Foundation, Washington, D. C.
Your space suit and you - Significance of manloading in pressure suit design	[NASA-TP-2547] p 294 N86-26836	New perspectives on bacterial ferredoxin evolution
[SAE PAPER 851334] p 137 A86-23523	Analytical techniques of pilot scanning behavior and their application	p 2 A86-12001
Development status of regenerable solid amine CO2	[NASA-TP-2525] p 292 N86-27920	National Center for Health Services Research and
control systems	Space teleoperation research. American Nuclear	Health Care Technology Assessment, Rockville, Md. Cardiokymography
[SAE PAPER 851340] p 138 A86-23527 Electrochemical CO2 concentration for the Space	Society Executive conference: Remote operations and robotics in the nuclear industry; remote maintenance in	[PB86-133790] p 258 N86-25987
Station Program	other hostile environments	National Council on Radiation Protection and Measurements, Bethesds, Md.
[SAE PAPER 851341] p 138 A86-23528	[NASA-TM-89234] p 386 N86-29513	Studies concerned with basic radiation protection criteria
Initial development and performance evaluation of a	National Aeronautics and Space Administration. Lewis Research Center, Cleveland, Ohio.	and studies concerned with guidance and information
process for formation of dense carbon by pyrolysis of methane	Mass loss of shuttle space suit orthofabric under	[AD-A158319] p 63 N86-14874 National Inst. for Occupational Safety and Health,
[SAE PAPER 851342] p 138 A86-23529	simulated ionospheric atomic oxygen bombardment	Cincinnati, Ohio.
Phase change water processing for Space Station	[NASA-TM-87149] p 46 N86-13899	Compendium of protective eyewear
[SAE PAPER 851346] p 139 A86-23532 Water quality monitor for recovered spacecraft water	National Aeronautics and Space Administration.  Marshall Space Flight Center, Huntsville, Ala.	[PB86-135779] p 273 N86-25126
[SAE PAPER 851347] p 139 A86-23533	Space Station life sciences guidelines for nonhuman	National Inst. for Rheumatics and Physiotherapy, Budapest (Hungary).
Performance and endurance testing of a prototype	experiment accommodation [SAE PAPER 851370] p 104 A86-23553	The influence of heliometeorologic factors on circulation
carbon dioxide and humidity control system for Space Shuttle extended mission capability	Space Station life science research facility - The	and some vegetative functions p 165 N86-21021
[SAE PAPER 851374] p 140 A86-23557	vivarium/laboratory p 201 A86-30449	National Inst. of Dental Research, Bethesda, Md. Microgravity changes in heart structure and cyclic-AMP
Arousal and stability - The effects of five new	Characterization of good teleoperators - What aptitudes.	metabolism p 203 A86-30465
sympathomimetic drugs suggest a new principle for the	interests, and experience correlate with measures of teleoperator performance p 268 A86-33828	National Maritime Research Center, Kings Point, N. Y.
prevention of space motion sickness p 113 A86-25656	teleoperator performance p 268 A86-33828  The human role in space: Technology, economics and	A simulation study of the effects of sleep deprivation, time of watch and length of time on watch on watchstanding
Immunological analyses of U.S. Space Shuttle	optimization p 272 A86-37037	effectiveness
crewmembers p 162 A86-29091	Diatoms on earth, comets, Europa and in interstellar space p.410 A86-44354	[AD-A167729] p 424 N86-32956
Metabolic support for a lunar base	space p 410 A86-44354 Growth evolution of the Space Station ECLSS	National Physical Lab., Teddington (England).  A survey of speech audiometry in the National Health
Implementing supercritical water oxidation technology	[AIAA PAPER 86-2313] p 407 A86-46943	Service
in a lunar base environmental control/life support	Reconfigurable work station for a video display unit and	[NPL-AC-105] p 221 N86-23267
system p 240 A86-30167	keyboard [NASA-CASE-MFS-26009-1SB] p 188 N86-22114	National Research Council of Canada, Ottawa (Ontario).
Fluid and electrolyte control in simulated and actual spaceflight p 214 A86-30385	[NASA-CASE-MFS-26009-1SB] p 188 N86-22114  National Aeronautics and Space Administration.	Canadian medical experiments on Shuttle Flight 41-G
Morphology of human embryonic kidney cells in culture	National Space Technology Labs., Bay Saint Louis,	p 110 A86-22996
after space flight p 201 A86-30452	Miss.	Naval Aerospace Medical Inst., Pensacola, Fla.
Space Station crew interface specifications and standards	Foliage plants for indoor removal of the primary combustion gases carbon monoxide and nitrogen	Hypobaric training of flight personnel without compromising quality of life p 401 N86-30327
[SAE PAPER 851801] p 270 A86-35433	dioxide p 156 A86-29089	Naval Aerospace Medical Research Lab., Pensacola,
Astronaut crew performance - Recent space	National Aerospace Lab., Amsterdam (Netherlands). Theoretical and experimental analysis of pilot failure	Fla.
experience	detection behavior during various automatic approach	Sudden emesis following parabolic flight maneuvers Implications for space motion sickness
[SAE PAPER 851802] p 264 A86-35434 Space Station crew workload - Station operations and	conditions	p 250 A86-33759
customer accommodations	[NLR-MP-83025-U] p 72 N86-14895 A model and experimental analysis of pilot decision	A comparison of dichotic listening task scoring
[SAE PAPER 851803] p 270 A86-35435	making behavior for various automatic approach	methods [AD-A159920] p 133 N86-18980
Flight training for Space Shuttle missions	conditions	Simple and choice reaction time in a secondary task
p 427 A86-50283 Endocrine and fluid metabolism in males and females	[NLR-TR-84037-U] p 292 N86-26835 Control theoretic analysis of human operator mediated	under varied stimulus modality probabilities
of different ages after bedrest, acceleration and lower body	rendezvous and docking	[AD-A159698] p 135 N86-19896
negative pressure	[NLR-MP-85020-U] p 435 N86-32106	Visual capabilities related to fighter aircrew performance in the F-14 and adversary aircraft p 400 N86-30320
Operational development of small plant growth	Control loops with human operators in space operations.  Part 1: Human engineering analysis, synthesis and	Vision test battery threshold and response time as
systems p 149 N86-19917	evaluation techniques	predictors of air-to-air visual target acquisition in F-14 and
A method for screening of plant species for space use	[NLR-TR-84116-L-PT-1] p 435 N86-32107 Control loops with human operators in space operations.	adversary aircraft p 400 N86-30321 Relationship of cardiopulmonary fitness to flight
p 152 N86-19938	Part 3: Rendezvous and docking operations and model	performance in tactical aviation p 401 N86-30326
Earth's early atmosphere as seen from carbon and nitrogen isotopic analysis of Archean sediments	analysis of performance with human-in-the-loop	Growth and development of rhesus monkeys exposed
p 304 N86-26883	[NLR-TR-84116-L-PT-3] p 435 N86-32108 Control loops with human operators in space operations.	to ELF (Extremely Low Frequency) electric and magnetic fields during the first 54 months of life
Evaluating space station applications of automation and	Part 4: Research requirements for human-in-the-loop	[AD-A168733] p 417 N86-32953
robotics technologies from a human productivity point of view p 409 N86-31412	space teleoperator development	A comparison of the specific absorption rate in a
lational Aeronautics and Space Administration.	[NLR-TR-84116-L-PT-4] p 435 N86-32109 Control loops with human operators in space operations.	homogeneous man model and a man model containing realistic model bones
Langley Research Center, Hampton, Va.	Part 5: Executive summary	[AD-A168547] p 424 N86-32960
Environmental Control and Life Support Systems technology options for Space Station application	[NLR-TR-84116-L-PT-5] p 435 N86-32110	Multitask performance: Predicting success in Naval
[SAE PAPER 851376] p 140 A86-23559	Model analysis of remotely controlled rendezvous and docking with display prediction p 441 N86-33003	Aviation primary flight training
,		[AD-A168246] p 428 N86-32972

p 428 N86-32972

Naval Air Development Center, Warminster, Pa.	Naval Submarine Medical Research Lab., Groton,	Using Ashford's general model to aid in the
The beginnings of airborne weightlessness research [AD-A160575] p 115 N86-18966	Conn.  The effects of bimodal presentation of stimuli and noise	understanding of a pesticide's neurotoxic effect through pesticide-drug mixture experiments
Visual and spectroradiometric performance criteria for	on target detection	[PB86-130028] p 226 N86-24211
Night Vision Goggles (NVG) compatible aircraft interior	[AD-A160122] p 134 N86-18981	Application of portable microprocessor-based system for
lighting p 294 N86-26807  The application of diffraction optics techniques to laser	Multimodal versus unimodal information processing of words	electrophysiological field testing of neurotoxicity [PB86-145471] p 379 N86-28615
eye protection p 284 N86-26821	[AD-A160517] p 134 N86-18984	[PB86-145471] p 379 N86-28615 North Dakota State Univ., Fargo.
The effect of spectrally selective filters on visual search	Body weight changes before and after submarine patrols	Application of the system identification technique to
performance [AD-A165835] p 404 N86-30329	[AD-A161144] p 127 N86-19893	goal-directed saccades
The development and evaluation of color systems for	The effects of color-coding in geosit displays. 1: Color	[AD-A159102] p 69 N86-15909 Identification and quantification of the water-soluble
airborne applications: Fundamental visual, perceptual and	as a redundant code [AD-A161107] p 181 N86-22108	components of JP-4 and a determination of their biological
display systems considerations [AD-A168563] p 443 N86-33020	The effect of cold training and the wearing of gloves	effects upon selected freshwater organisms
[AD-A168563] p 443 N86-33020 Naval Air Systems Command, Washington, D. C.	on manual performance in the cold: A comparison of pure	[AD-A160271] p 108 N86-18957 The role of plant disease in the development of
Inverse Faraday effect in hemoglobin detected by	ability and operational tasks [AD-A163893] p 273 N86-25124	controlled ecological life support systems
Raman spectroscopy: An example of magnetic resonance Raman activity	An evaluation of color sets for CRT displays	p 153 N86-19942
[AD-A159806] p 84 N86-17975	[AD-A163894] p 273 N86-25125 Calcium and vitamin D metabolism in submariners:	North Texas State Univ., Denton. Interaction between Escherichia coli and lunar fines
Naval Biodynamics Lab., New Orleans, La.	Carbon dioxide, sunlight and absorption considerations	p 30 N86-14088
Automated Portable Test System (APTS) - A	[AD-A166292] p 398 N86-30306	Northeastern Univ., Boston, Mass.
performance envelope assessment tool [SAE PAPER 851775] p 263 A86-35427	The effects of color-coding in GEOSIT (geographical situational) displays. 2: Redundant versus non-redundant	Lymphocyte activation - regulatory substances [AD-A162683] p 160 N86-22087
Naval Coastal Systems Center, Panama City, Fia.	color-coding	Northrop Corp., Hawthorne, Calif.
Design guidelines for carbon dioxide scrubbers, revision	[AD-A166263] p 405 N86-30334	Maximum normalized acceleration as a flying qualities
A [AD-A160181] p 147 N86-18989	Navy Clothing and Textile Research Facility, Natick, Mass.	parameter p 442 N86-33012
Elementary design guidelines for CO2 scrubbing with	Refurbishing spray on aluminum enamel on proximity	Northrop Services, Inc., Houston, Tex.  Regulation of hematopoiesis in rats exposed to
LiOH, technical manual	clothing [AD-A159707] p 153 N86-19944	antiorthostatic hypokinetic/hypodynamia. II - Mechanisms
[AD-A168850] p 444 N86-33022 Naval Health Research Center, San Diego, Calif.	[AD-A159707] p 153 N86-19944 Navy Personnel Research and Development Center,	of the 'anemia' p 80 A86-20404
Benzodiazepine activity: Daytime effects and the sleep	San Diego, Calif.	Northwestern Univ., Evanston, III.  Enhancing sensitivity to visual motion and enhancing
EEG	A new hazard function estimator of performance time [AD-A157843] p 42 N86-12971	visual sensitivity
[AD-A158702] p 63 N86-14879 A comparison of the effects of circuit weight training	Development of a computer-managed readiness	[AD-A158800] p 40 N86-13889
on men and women	assessment system	Enhancing visual sensitivity [AD-A158799] p 68 N86-15906
[AD-A159419] p 69 N86-15910	[AD-A162931] p 236 N86-24215 Nevada Univ., Reno.	Head-spine structure modeling: Enhancements to
Review of duodenal and gastric ulcer [AD-A160919] p 117 N86-18977	Contributions to workload of rotational optical	secondary loading path model and validation of
[AD-A160919] p 117 N86-18977 Assessing the health risks of carrier landings in US Navy	transformations	head-cervical spine model [AD-A161425] p 172 N86-21112
pilots	[NASA-CR-176542] p 171 N86-21106 Gas exchange characteristics of leaves as indicators	Sensitivity to visual motion in statistically defined
[AD-A160928] p 127 N86-19891	of the basic limitations to the rate of photosynthesis	displays [AD-A167291] p 405 N86-31217
Mechanisms of bioenergetic homeostasis during exercise: A general model	[DE86-009632] p 416 N86-32085	[AD-A167291] p 405 N86-31217 Norwegian Defence Microbiological Lab., Oslo.
[AD-A161678] p 176 N86-22098	New Hampshire Univ., Durham. The evolution of CELSS for lunar bases	Enhancement of Pseudomonas aeruginosa virulence by
Health and performance of antarctic winter-over	p 239 A86-30164	hyperbaric atmosphere conditions p 122 N86-19858 Norwegian Defence Research Establishment, Kjeller.
personnel: A follow-up study [AD-A161773] p 182 N86-22109	Electrochemical control of pH in a hydroponic nutrient solution p 150 N86-19918	Chemically induced damage to the hippocampal
Changes in fitness and shipboard task performance	Observations on gas exchange and element recycle	formation
following circuit weight training programs featuring	within a gas-closed algal-mouse system	[NDRE/PUBL-86/1002] p 255 N86-25112 Norwegian Underwater Technology Center Ltd.,
continuous or interval running [AD-A163110] p 225 N86-24206	p 150 N86-19924 New Mexico State Univ., Las Cruces.	Laksevaag.
L-tryptophan administered to chronic sleep-onset	Cognitive network organization and cockpit automation	Effects of dry and humidified breathing gas (air) at 37 C on pulmonary function in hyperbaric conditions
insomiacs: Late-appearing reduction of sleep latency [AD-A163115] p 225 N86-24207	p 237 A86-29858 Bigness is in the eye of the beholder	p 122 N86-19861
Naval Ocean Systems Center, San Diego, Calif.	p 233 A86-31820	Nova Technical, Inc., Tarzana, Calif.
The effects of Bis (tri-n-butyltin) oxide on three species	A multiple-regression model of pilot performance in	An investigation of the use of steady-state evoked potentials for human performance and workload
of marine phytopiankton [AD-A162115] p 212 N86-24188	vertical and translational flight [AD-A161364] p 188 N86-22115	assessment and control
Mechanism of electromagnetic energy effects on the	New Mexico Univ., Albuquerque.	[AD-A166205] p 404 N86-30332
nervous system: Voltage-clamp study	Ultrasensitive detection of chemical substances	^
[AD-A164653] p 282 N86-26798 Naval Postgraduate School, Monterey, Calif.	[AD-A159996] p 108 N86-19825 New South Wales Univ., Kensington (Australia).	0
Managing computer systems development:	Analysis techniques for continuous twenty four hour	Oak Ridge National Lab., Tenn.
Understanding the human and technological imperatives [AD-A158976] p 76 N86-15917	ambulatory blood pressure patterns p 170 N86-21103  New York Blood Center, N.Y.	Positive genetic hazard predictions from short-term tests
Operations research techniques for human factors	The production of RhO(D) negative erythrocytes	have proved false for results in mammalian spermatogonia with all environmental chemicals so far tested
engineers	[AD-A160775] p 116 N86-18971	[DE85-013640] p 6 N86-11833
[AD-A159384] p 99 N86-16904 Examination of retinal pattern threshold levels and their	New York State Dept. of Health, Albany.	Relationship between alkylation sites and induction of
possible effect on computer access control mechanisms	Photochemical reactions in interstellar grains photolysis of CO, NH3, and H2O p 189 A86-28721	dominant lethals and heritable translocations in mice [DE85-014309] p 7 N86-11835
[AD-A161213] p 128 N86-19895 The design of natural language interfaces	New York Univ., New York.	Information from specific-locus mutants on the nature
[AD-A162181] p 242 N86-24220	In vivo detection, localization and measurement of radionuclides in man: a detection system for the localization	of induced and spontaneous mutations in the mouse [DE85-014313] p 7 N86-11836
Human factors engineering and operability in the design	and measurement of small amounts of photon emitters	Improvement in wear performance of surgical Ti-6AI-4V
of electronic warfare spaces aboard United States Naval combatants	[DE85-017601] p 93 N86-16893	alloy by ion implantation of nitrogen or carbon
[AD-A162251] p 243 N86-24222	New York Univ. Medical Center.  Novel architectures for image processing based on	[DE85-013986] p 18 N86-11849 Mechanical accessories for mobile teleoperators
Man-machine systems of the 1990 decade: Cognitive factors and human interface issues	computer simulation and psychophysical studies of human	[DE85-014310] p 23 N86-11855
[AD-A163865] p 273 N86-25123	visual cortex	Biomedical and Environmental Sciences Program publications 1984
Changes in Naval Aviation Basic Instrument flight	[AD-A166222] p 404 N86-30333 Nobeyema Solar Radio Observatory (Japan).	[DE85-015070] p 28 N86-12953
training: An analysis [AD-A164738] p 291 N86-26830	Recent observations of organic molecules in nearby	Power and signal transmission for mobile teleoperated
Naval Research Lab., Washington, D. C.	cold, dark interstellar clouds p 296 A86-38139	systems [DE85-013994] p 45 N86-12975
Advantages of the gas exchange approach to	North Carolina State Univ., Raieigh.	Future directions in mobile teleoperation
microbiological studies [AD-A166887] p 393 N86-31207	Simulation model for plant growth in controlled environment systems p 149 N86-19914	[DE85-014308] p 46 N86-12976
Naval Ship Research and Development Center,	Nitrogen uptake and utilization by intact plants	Neutron effects in humans: Protection considerations [DE85-015047] p 64 N86-14882
Bethesda, Md. The scientific/engineering workstation experiment:	p 153 N86-19941	Freezing of living cells
Preliminary results, conclusions and recommendations	North Carolina Univ., Chapel Hill.  Stochastic differential equations for neuronal behavior	[DE85-016297] p 55 N86-15862 Advanced servomanipulator development
[AD-A163059] p 386 N86-29510	[AD-A159099] p 69 N86-15908	[DE85-017720] p 100 N86-17989
	,	• • • • • • • • • • • • • • • • • • • •

p 237 A86-29860

Speech variability effects on recognition accuracy associated with concurrent task performance by pilots

Electron microprobe analyses condition in incisors of Spacelab-3 rate p 202 A86-30455

Normalized predictive deconvolution - A time series

algorithm for modeling human operator dynamics

Purdue Univ., Indianapolis, Ind.

Purdue Univ., West Lafayette, Ind.

CORPORATE SOURCE
Human-machine interfaces for teleoperators: An overview of research and development at the Oak Ridge National Laboratory. Consolidated Fuel Reprocessing Program
[DE85-017713] p 100 N86-17990 Chemical characterization and toxicologic evaluation of airborne mixtures: Tumorigenicity studies of Diesel Fuel-2, Red Smoke Dye and Violet Smoke Dyes in the SENCAR
Mouse Skin Tumorigenesis Bioassay System [AD-A159728] p 114 N86-18962 Biomedical and environmental sciences at Oak Ridge National Laboratory
[DE86-001639] p 161 N86-22091 Radiation induction of cancer of the skin [DE86-002201] p 221 N86-23270 Production and characterization of antibodies to benzo(a)pyrene
[DE86-002204] p 222 N86-23271 Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring [DE86-002239] p 225 N86-24209
Human factors activities in teleoperator development at the Oak Ridge National Laboratory [DE86-005160] p 408 N86-30340 Diffice of Naval Research, Arlington, Va.
Psychological Sciences Division 1984 programs [AD-A156631] p 20 N86-10779  Pffice of Naval Research, London (England). Biomaterials research in West Germany: An assessment
[AD-A158951] p 53 N86-14840 Biological sciences and bioelectromagnetics in Europe [AD-A159221] p 53 N86-14841 The 10th Meeting of the International Society for
Neurochemistry held at Riva del Garda, Italy on 19-24 May 1985 [AD-A160668] p 171 N86-21110 Biotechnica '85 International Congress for Biotechnology
[AD-A165415] p 276 N86-26794  hio State Univ., Columbus. A review of critical in-flight events research methodology p 228 A86-29886
The structure and development of the starch sheath in pea epicotyls p 196 A86-30414  On marching to two different drummers - Perceptual aspects of the difficulties p 426 A86-49870  The influence of tactual seat-motion cues on training
and performance in a roll-axis compensatory tracking task setting p 22 N86-10784 Development and use of anucleated bacterial cells to assay the in vivo activity of pollutants
[AD-A162727] p 160 N86-22089 Optical and event-duration self-motion perception [AD-A161836] p 223 N86-24194
A decade of SETI observations p 308 N86-26905 The effects of expressivity and flight task on cockpit communication and resource management [NASA-CR-177036] p 383 N86-29505 Progression-regression effects in tracking repeated
patterns p 439 N86-32996 Investigation of crew performance in a multi-vehicle supervisory control task p 440 N86-33001 Id Dominion Univ., Norfolk, Va.
The effects of simulator and aircraft motion on eye scan behavior p 128 A86-23709 Eye-scan behavior in a flight simulation task as a function of level of training p 260 A86-33794 Visual information transfer. Part 1: Assessment of
specific information needs. Part 2: Parameters of appropriate instrument scanning behavior [NASA-CR-176277] p 21 N86-11850

Production and characterization	of	antibodie	s to
penzo(a)pyrene DE86-002204]	p 22	22 N86-2	3271
Fiberoptics immunofluorescence			
chemical and biological monitoring			
DE86-002239] Human factors activities in teleoper	p 22		
he Oak Ridge National Laboratory	aloi i	ao voiopi in	mit at
DE86-005160]	p 40	8 N86-3	0340
fice of Naval Research, Arlington, Psychological Sciences Division 19	Va.		
AD-A156631]	оч рі Р 2		0779
fice of Naval Research, London (E	ngla	nd).	
Biomaterials research in West assessment	Ge	ermany:	An
AD-A158951]	p.f	3 N86-1	4840
Biological sciences and bioelectron	nagn	etics in Eu	rope
AD-A159221]	р 5	3 N86-1	4841
The 10th Meeting of the International The 10th Meeting of the International The 10th Intern	atior	iai Societ Italy on 1	y tor
May 1985	ua,	italy Oil I	3-24
AD-A160668]	p 17		
Biotechnica '85 International Biotechnology	C	ongress	for
AD-A165415]	p 27	6 N86-2	6794
io State Univ., Columbus.			
A review of critical in-flight nethodology		nts rese	
The structure and development of t		8 A86-29 tarch shea	
ea epicotyls	p 19	6 A86-3	0414
On marching to two different drun aspects of the difficulties			
The influence of tactual seat-motion	p 42	.6 A86-4	9870 ining
and performance in a roll-axis compen	sato	ry tracking	task
etting	р2	2 N86-1	0784
Development and use of anucleate assay the in vivo activity of pollutants	od ba	cterial cel	is to
AD-A162727]	p 16	0 N86-2	2089
	ariab		cting
elf-motion perception AD-A161836]	n 22	3 N86-2	4404
A decade of SETI observations	D 30	8 N86-2	6905
The effects of expressivity and flig	iht te	ask on co	ckpit
communication and resource manage NASA-CR-177036]			DEDE
Progression-regression effects in	p 38 traci	3 N86-29 (ina repe	ated
atterns	p 43	9 N86-3	2996
Investigation of crew performance supervisory control task			
l Dominion Univ., Norfolk, Va.		0 N86-3:	
The effects of simulator and aircraft	moti	on on eye	scan
ehavior	n 12	8 ARE-21	3700
Eye-scan behavior in a flight simulation of level of training	on ta:	sk as a tun i0 A86-3:	CUON 270 <i>A</i>
Visual information transfer. Part 1	ŀΑ	ssessmer	
pecific information needs. Part	2: 1	Paramete	rs of
ppropriate instrument scanning beha NASA-CR-176277]	n 2	1 N86-1	1850
Assessment of visuospatial abilitie	es u	sing com	piex
ognitive tasks			
AD-A158919] TR <b>A, Inc., Peabody, Mass.</b>	р7	0 N86-14	1889
Rapid identification of micro-organis	ms		
AD-A159945]	p 10	7 N86-18	3952
egon Univ., Eugene. Is the cerebellum involved in mo		nd na	
ming: A case study	HOF 8	ina perce	otuai
AD-A157452]	p 1	6 N86-1	1842
Force and timing components of AD-A157584]			
Cognitive science program: Dissoci	ation	7 N86-11	ntral
mekeeper and the peripheral implem	enta	tion proce	sses
repetitive movements			
AD-A157542] <b>awa Univ. (Ontario).</b>	p 2	1 N86-11	852
Nuclear lamins and peripheral nucle	ear a	ıntigens dı	ırıng
ertilization and embryogenesis in mice	e and	i sea urch	ins
	p 37		
Studies of the electric field distribution odies. Experimental dosimetry at radi	iofred	III DIOlog Suenciae	jical
AD-A1631561	- 01		

_		
P		
B18-11		
Pacific Northwest Labs., Richland	, Wash.	
Approaches to quantitative response	expression	of dose
[DE85-013498]	n 15	N86-10772
Dose distribution and the relative	biological e	ffectiveness
of internal alpha emitters	olologica, c	1100011011035
[DE85-013041]	p 17	N86-11845
Accidental exposure to americia	ım	
[DE85-012794]	p 39	N86-12965
Comparative analysis of	biomass	pyrolysis
condensates [DE86-001773]		
	p 159	
Biological studies of swine exp fields. Volume 5: Hematology and	osed to 60	Hz electric
[DE86-005362]		mistry N86-30344
Biological studies of swine exp	need to 60	44605-0071 Airtacle TH-(
fields. Volume 6: Immunology	036U 10 U	PHZ BIBCUIC
[DE86-005363]	p 411	N86-30345
Physical interaction of human	ns and a	nimals with
power-frequency electric and mag		
[DE86-007734]	p 402	N86-31215
Pan American World Services, Inc. Miss.	., Bay St. I	_ouis,
Foliage plants for indoor rer		
combustion gases carbon mo	novide er	me primary id nitrogen
dioxide	p 156	A86-29089
Pattern Analysis and Recognition	n Corp., N	icLean, Va.
Human factors in rule-based sys	stems	•
[AD-A165309]		N86-26840
Mental models and proble knowledge-based expert system	em solvin	g with a
[AD-A165398]	n 205	N86-26843
Pennsylvania State Univ., Hershey	y 293	1400-20043
Automated Portable Test S	Svstem (A	PTS) - A
performance envelope assessmen	it tool	,
[SAE PAPER 851775]	p 263	A86-35427
Pennsylvania State Univ., Universi	ty Park.	
Morphology of human embryonic after space flight	kidney ce	Is in culture
and space might	D 201	A86-30452

Lab 3

body model

environment

The importance of specialized cognitive function in the

Exercise hyperthermia as a factor limiting physical

Further work on sodium montmorillonite as catalyst for

Comparison of voice types for helicopter voice warning

Selecting cockpit functions for speech I/O technology

Temperature effect on

p 404 N86-30330

p 1 A86-10104

p 301 N86-26868

p 185 A86-28446

selection of military pilots

[SAE PAPER 841611]

Polish Academy of Sciences, Warsaw.

Polytechnic Inst. of New York, Brooklyn.

the polymerization of activated amino acids

Psycho-Linguistic Research Associates, Menio Park,

[AD-A165889]

performance

### N86-12965 n 44 A86-14238 On scaling performance operating characteristics pyrolysis Caveat emptor p 179 A86-28866 Alerted monitors: Human operators aided by automated N86-21102 detectors -Hz electric [PB85-222750] n 47 NA6-13906 mistry Optimization of controlled environments for hydroponic N86-30344 production of leaf lettuce for human life support in O-Hz electric p 152 N86-19936 Optimal cooperative control synthesis of active N86-30345 displays p 441 N86-33006 Modified superposition: A simple time series approach nimals with to closed-loop manual controller identification N86-31215 p 442 N86-33009 Closed-loop, pilot/vehicle analysis of the approach and Louis, landing task p 442 N86-33013 the primary nd nitrogen A86-29089 Q icLean, Va. Queens Univ., Belfast (Northern Ireland). Effect of inactivity and passive stretch on protein N86-26840 turnover in phasic and postural rat muscles p 413 A86-47871 N86-26843 R NPTS) - A Red Cross Hospital, Barcelona (Spain). A86-35427 Explaining the unexplained dysbaric sport diving p 123 N86-19864 lls in culture Less bubble formation in women divers A86-30452 Microgravity associated changes in pituitary growth p 126 N86-19883 hormone (GH) cells prepared from rats flown on Space Rensselaer Polytechnic Inst., Troy, N.Y. Photochemical reactions in interstellar grains photolysis p 202 A86-30459 Adaptive motivation theory of CO, NH3, and H2O p 189 A86-28721 [AD-A157440] p 21 N86-11851 Photolysis products of CO, NH3 aND H2O and their Incorporation of active elements into the articulated total significance to reactions on interstellar grains p 298 N86-26849 [AD-A162518] p 177 N86-22101 Research Inst. of National Defence, Haarsfjaerden Pennsylvania Univ., Philadelphia. Strength modeling report Lung rupture as a complication in free escape [NASA-CR-171896] p 15 N86-10770 p 122 N86-19862 TEMPUS: Simulating personnel and tasks in a 3-D earch Inst. of National Defence, Stockholm (Sweden). [NASA-CR-171901] p 22 N86-10785 Biological effects of millimeter waves on the mouse Transport of arterial blood gates through human skin p 91 N86-16887 [FOA-C-50023-H1] p 83 N86-16879 Operator environment in the nineties Determination of the lumped constant and the kinetic [FOA-A-50002-H2] p 99 N86-16905 constants for deoxyglucose and fluorodeoxyglucose in The Eleventh Annual Meeting of the European Undersea man [DE86-000317] Biomedical Society (EUBS) on Diving and Hyperbaric p 118 N86-18978 People Express Airlines, Inc., Newark, N.J. Medicine Cockpit resource management - Exploring the attitude-performance linkage p 229 A86-29899 [FOA-C-50021-H1] p 121 N86-19854 An attempt to counteract nitrogen narcosis by naloxone Perceptronics, Inc., Woodland Hills, Calif. p 123 N86-19865 Operator alertness/workload assessment usin stochastic model-based analysis of myoelectric signa Report from a behavioral science study grip to Australia, 23 Aug. - 10 Sep. 1985 [FOA-C-50027-H3] [AD-A168567] p 428 N86-32973 p 235 N86-23280 Operator alertness/workload assessment using stochastic model-based analysis of myoelectric signals Rapid measurement of individual stress reaction level; Development of the Emotional Reaction Questionnaire [AD-A168568] p 429 N86-32974 (ESRQ) Phytoresource Research, Inc., College Station, Tex. Tissue culture apparatus for flight experimentation [FOA-C-50034-H3] p 383 N86-29506 Anthropometry research program p 201 A86-30444 [FOA-C-50032-H2] p 386 N86-29511 Pittsburgh Univ., Pa. Research Inst. of National Defence, Umea (Sweden). Enzyme cofactor modified electrodes Psychological problems associated with the wearing of espiratory protective devices: A review [AD-A165604] p 375 N86-28607

[FOA-C-40216-C2]

protective masks

FOA-C-40213-C21

analysis, volume 1

[PB85-245181]

Method for the determination of respiratory work in

Ambient ozone and human health: An epidemiological

Resources for the Future, Inc., Washington, D. C.

p 101 N86-17995

p 380 N86-29500

p 93 N86-16896

Rheinisch Westfaelische Technischer Ueberwachungs-	San Jose State Univ., Calif.	
Verein e.V., Essen (West Germany).	The effect of high energy (HZE) particle radiation (Ar-40)	Search Technology, Inc., Norcross, Ga.  The effects of type of knowledge upon human problem
The biological efficiency of dust emmission:	on aging parameters of mouse hippocampus and retina	solving in a process control task p 74 A86-17771
Determination based on the withering degree of exposed lichens p 169 N86-21047	p 50 A86-17679	PLANT - An experimental task for the study of human
Rhode Island Univ., Kingston.	Inflight evaluation of four measures of pilot workload p 130 A86-23745	problem solving in process control p 70 A86-17774
Fiber optic pressure sensors in skin-friction	To speak or not to speak - A multiple resource	An experimental approach to validating a theory of human error in complex systems p 260 A86-33792
measurements	perspective p 259 A86-33784	Shape Technical Center, The Hague (Netherlands).
[NASA-CR-176294] p 16 N86-11838 Rochester Inst. of Tech., N. Y.	Clay energetics in chemical evolution p 301 N86-26867	Use of artificial intelligence and psychology in the
Speech analysis based on a model of the auditory	Sandia National Labs., Albuquerque, N. Mex.	analysis of command and control
system	Making the human-machine interface responsive to	[STC-TM-749] p 427 N86-32095
[AD-A167426] p 427 N86-32098	many classes of users [DE86-003453] p 409 N86-31222	The psychology of decision making p 427 N86-32096
Rockefeller Univ., New York.  Biosynthetic porphyrins and the origin of	Santa Clara Univ., Calif.	Artificial intelligence and the Rule Oriented System
photosynthesis p 306 N86-26894	Halobacterium denitrificans sp. nov., an extremely	Simulation (ROSS) language p 427 N86-32097
Rockwell International Corp., Chapel Hill, N.C.	halophilic denitrifying bacterium p 374 A86-43438	Sloan-Kettering Inst. for Cancer Research, New York.
Factors influencing carboxyhemoglobin stability	Halobacterium denitrificans sp. nov An extremely halophilic denitrifying bacterium p 414 A86-49524	Biomedical research with cyclotron produced radionuclides
[AD-A165032] p 289 N86-27918 Roswell Park Memorial Inst., Buffalo, N. Y.	Cooperation of catalysts and templates	[DE86-000327] p 221 N86-23269
A comparative study of prebiotic and present day	p 301 N86-26871	Siotervaartziekenhuis, Amsterdam (Netherlands).
translational models p 303 N86-26877	Saskatchewan Univ., Saskatoon.  Planetary ecology; Proceedings of the Sixth International	Early detection and treatment of avascular bone necrosis in divers
Royal Air Force Inst. of Aviation Medicine,	Symposium on Environmental Biogeochemistry, Santa Fe,	n divers p 124 N86-19872 Smith-Kettlewell Inst. of Visual Sciences, San
Famborough (England).  Entry visual standards and ocular examination	NM, October 10-14, 1983 p 50 A86-18026	Francisco, Calif.
techniques for future fighter aircrew p 400 N86-30317	School of Aerospace Medicine, Brooks AFB, Tex.  Minimum pressure for a zero-prebreathe pressure suit	The spatial and temporal parameters of velocity
Royal Air Force Inst. of Pathology and Tropical	[SAE PAPER 851315] p 137 A86-23505	discrimination [AD-A158735] p 43 N86-13896
Medicine, Aylesbury (England).	Evaluation of 9.5 PSIA as a suit pressure for prolonged	Societe Nationale Industrielle Aerospatiale, Marignane
A waterproof vent valve for immersion suits [REPT-515] p 99 N86-17988	extravehicular activity p 417 A86-47741  The relationship of intravascular bubbles to bends at	(France).
Royal Netherlands Aircraft Factories Fokker,	altitude p 418 A86-47765	Helicopter cockpit organization for night vision
Amsterdam.	Proceedings of a workshop on Radiofrequency	[SNIAS-852-210-103] p 101 N86-17996 Societe Nationale Industrielle Aerospatiale, Paris
Control loops with human operators in space operations. Part 2: Robotics operations and manual control	Radiation bioeffects held at Wachtberg-Werthhoven, West Germany on 11-13 September 1984	(France).
experiment	[AD-A157090] p 38 N86-12959	Characterization of YAG lasers for ophthalmologic
[NLR-TR-84116-L-PT-2] p 444 N86-33024	The effects of hypoxia induced by low atmospheric	applications [SNIAS-852-430-107] p 93 N86-16894
Royal Netherlands Aircraft Factories Fokker,	pressure on soft contact lens wear	South Dakota Univ., Vermillion.
Schiphol-Oost. Study on design techniques for robots (space	[AD-A158556] p 38 N86-12963 Interactive scenario computer model for dose rates to	Pilot usage of decoupled flight path and pitch controls
applications). Volume 1, part A: Technical results	aircrews in flight through nuclear debris clouds	p 236 A86-29854 Southampton Univ. (England).
[FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902	[AD-A158741] p 40 N86-13888	A design guide for visual displays and manual tasks in
Study on design techniques for robots (space	Foodborne and waterborne disease outbreaks. A compilation and subjective profile	vibration environments. Part 1: Visual displays
applications). Volume 1, part B: Technical results [FOK-TR-R-84-110-VOL-1-PT-B] p 47 N86-13903	[AD-A158536] p 63 N86-14876	[ISVR-TR-133-PT-1] p 442 N86-33014 A design guide for visual displays and manual tasks in
Study on design techniques for robots (space	Syllogistic reasoning tasks, a methodological review	vibration environments. Part 2: Manual tasks
applications). Volume 2: Technical appendices	[AD-A159190] p 71 N86-14892 Potency of photoflash-produced retrograde amnesia in	[ISVR-TR-134] p 443 N86-33015
[FOK-TR-R-84-110-VOL-2] p 47 N86-13904	rats	Southwest Research Inst., San Antonio, Tex.
Study on design techniques for robots (space applications). Volume 3: Executive summary	[AD-A159149] p 55 N86-15859	Effects of 60 Hz electric fields on operant and social stress behaviors of nonhuman primates
[FOK-TR-R-84-110-VOL-3] p 47 N86-13905	Night vision manual for the flight surgeon	[DE85-011992] p 30 N86-13885
Royal Netherlands Navy, The Hague.	[AD-A159720] p 114 N86-18961 A small oxygen concentrator	Effects of 60 Hz electric fields on operant and social
Effects of intermittent exposure to hyperoxia in	[AD-A163145] p 273 N86-25993	stress behaviors of nonhuman primates [DE86-002587] p 209 N86-23221
operational diving p 123 N86-19868  Royal Norwegian Navy, Haakonsvern.	Eye protection against intense light sources	Effects of 60 Hz electric fields on operant and social
Alternatives to standard air tables	p 284 N86-26818 The healthy motivation to fly: No psychiatric diagnosis	stress behaviors of nonhuman primates
p 125 N86-19880	[AD-A164944] p 291 N86-26832	[DE86-003748] p 310 N86-27923 Effects of 60 Hz electric fields on operant and social
Ruhr Univ., Bochum (West Germany).	Methodology for integration testing of aircrew clothing	stress behavior of nonhuman primates
Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson)	and equipment [AD-A165328] p 295 N86-26842	[DE86-005067] p 390 N86-29533
p 388 N86-29521	Soft contact lens wear during +G(Z) acceleration	Effects of 60 Hz electric field on operant and social stress behaviors of nonhuman primates
Rutgers - The State Univ., New Brunswick, N. J.	[AD-A165013] p 289 N86-27915	[DE85-016121] p 411 N86-30346
Application of screw calculus to the evaluation of manipulator workspace	US Air Force combat psychiatry [AD-A165011] p 292 N86-27921	Effects of 60 Hz electric fields on operant and social
[AD-P004947] p 75 N86-14946	[AD-A165011] p 292 N86-27921 Cardiovascular standards for selection and retention of	stress behaviors of nonhuman primates [DE86-005807] p 411 N86-30347
- F. C	high performance pilots in the USAF: Perspectives for the	[DE86-005807] p 411 N86-30347 SRI International Corp., Menio Park, Calif.
S	next decade p 399 N86-30313	Neurophysiological bases of event-related potentials
<b>J</b>	Computer analysis of visual and vestibular oculomotor function in the medical selection of fighter aircrew	[AD-A158997] p 71 N86-14890 Spatiotemporal characteristics of visual localization
Saitama Univ., Urawa (Japan).	members p 400 N86-30319	[AD-A166097] p 404 N86-30331
An appraisal of dive profiles in shellfish divers with	The startle reflex as a learning task: Apparatus and test	Specifications Physiological Monitoring System
reference to the risk of decompression sickness p 125 N86-19879	parameters [AD-A167958] p 428 N86-32970	[NASA-CR-171926] p 408 N86-30339
Salk Institute for Biological Studies, San Diego, Calif.	[AD-A167958] p 428 N86-32970 Effect of oxygen flow on passenger face mask	Stanford Univ., Calif. Small X-ray diffraction of immunoglobulin-membrane
l'emplate-directed oligonucleotide ligation on	performance	complexes
hydroxylapatite p 393 A86-45960	[AD-A168832] p 443 N86-33021	[AD-A158252] p 29 N86-13882
Molecular replication p 302 N86-26874 Models of glycolysis: Glyceraldehyde as a source of	Science Applications International Corp., La Jolla, Calif.	Computational models of human vision with applications
energy and monomers for prebiotic condensation	Japanese Technology Evaluation Program (JTECH):	[NASA-CR-176413] p 67 N86-15898
reactions p 302 N86-26876	Biotechnology Panel	Statistical inferences in cross-lagged panel studies
San Francisco State Univ., Calif.	[PB86-109386] p 161 N86-22092	[AD-A163892] p 265 N86-25120 Stanford Hardware Development Program
Stimulus specificity and individual stereotypy of autonomic responses to motion stressors	Scripps Institution of Oceanography, La Jolla, Calif. Microplankton species assemblages at the Scripps Pier	p 309 N86-26910
[NASA-CR-176543] p 171 N86-21107	from March to November 1983 during the 1982-1984 El	Effects of simulated weightlessness on regional blood
Adsorption and condensation of amino acids and	Nino event p 207 A86-31833	flow specifically during cardiovascular stress [NASA-CR-177117] p 379 N86-29495
nucleotides with soluble mineral salts p 301 N86-26869	Sea-Space Research Co., Inc., Harvey, La.  Evaluation of the use of hydrogen-oxygen as a breathing	Control of a free-flying robot manipulator system
San Francisco Univ., Calif.	gas in deep-sea diving	[NASA-CR-179717] p 443 N86-33016
The effect of high energy (HZE) particle radiation (Ar-40)	[AD-A165797] p 380 N86-29499	State Univ. of New York, Binghamton.  Evaluation of the need for a large primate research
on aging parameters of mouse hippocampus and retina p 50 A86-17679	Search for Extraterrestrial Intelligence Inst., Los Altos, Calif.	facility in space
Structure and function of isozymes: Evolutionary	Observational exobiology p 298 N86-26850	[NASA-CR-179661] p 444 N86-32111 State Univ. of New York, Brooklyn.
aspects and role of oxygen in eucaryotic organisms	Goldstone field test activities: Target search	Immunomodulation by proteins of bordetella pertussis
[NASA-CR-176286] p 6 N86-11831	p 309 N86-26911	[AD-A160078] p 107 N86-18953

State Univ. of New York, Buffalo.

A fundamental problem in determining functional residual capacity or residual volume p 281 A86-39099 State Univ. of New York, Stony Brook.

Phylogenetic origins of the plant mitochondrion based on a comparative analysis of 5S ribosomal RNA Sequences Tissue culture apparatus for flight experimentation

p 201 A86-30444

Stuttgart Univ. (West Germany).

A theoretical concept for state changes and shape langes in weightlessness p 387 N86-29516 changes in weightlessnes Function-dependent plasticity in the nervous system p 389 N86-29528

Systems and Applied Sciences Corp., Anaheim, Calif. New physical methods for biological aerosol detection [AD-A158218] p 29

Systems Research Labs., Inc., Dayton, Ohio.
Criteria for a state-of-the-art vision test system

p 45 N86-12973 [AD-A1570991 The effect of breathing elevated CO2 gas mixtures on tracking performance, blood pressure, and subjective tolerance at 1Gz [AD-A165974] p 401 N86-31210

Systems Technology, Inc., Hawthorne, Calif.

Assessment of simulation fidelity using measurements of piloting technique in flight. II p 264 A86-35667 Investigation of limb-sidestick dynamic interaction with roll control p 438 N86-32991 Manual control of unstable systems

p 441 N86-33008 Comparison of the STI NIPIP tracking dynamics identification with the on-line Fourier analyzer DFA results including a time varying case p 442 N86-33010 Systems Technology, Inc., Mountain View, Calif.

Assessment of simulation fidelity using measurements

of piloting technique in flight. II p 264 A86-35667

Tactical Air Command, Langley AFB, Va.

Medical selection and physiological training of fighter pilots: A 1985 perspective and overview

p 399 N86-30312 Technion - Israel Inst. of Tech., Haifa.

The psychophysics of workload - A second look at the relationship between subjective p 260 A86-33804 A 24-hour structure of vigilance under prolonged sleep

deprivation: Relationship with performance [AD-A167399] p 422 N86-32089

Technische Hogeschool, Delft (Netherlands).
The biomorphic model of the human pilot

[VTH-LR-310] p 100 N86-17991

Technische Hogeschool, Eindhoven (Netherlands).
Implementation of models for the transient division

system of spatio-temporal visual perception TN-86-97533] p 425 N86-32965 A model of the transient part of the spatio-temporal [ETN-86-975331

perception, containing a two-dimensional long fiber [ETN-86-97540] p 426 N86-32966 Technische Univ., Munich (West Germany).

Application of a nonstationary energy budget model to ermine thermal comfort etermine thermal comfort p 164 N86-21017 Climatic cure on a practical level p 164 N86-21019

What in human biometeorology can contribute to assessment of the effects of hazardous substances on p 168 N86-21043

Air quality determination in health resorts

p 169 N86-21046 Problems in city climate evaluation in human biometeorological terms p 169 N86-21050

Technology, Inc., Houston, Tex.

Arousal and stability - The effects of five new sympathomimetic drugs suggest a new principle for the prevention of space motion sickness

p 113 A86-25656

Technology, Inc., San Antonio, Tex. Minimum pressure for a zero-prebreathe pressure suit [SAE PAPER 851315] p 137 A86-23505

Evaluation of 9.5 PSIA as a suit pressure for prolonged extravehicular activity D 417 A86-47741 The relationship of intravascular bubbles to bends at

altitude p 418 A86-47765

Tel-Aviv Univ. (israel).

Bimane derivatives as fluorescent probes for biological macromolecules [AD-A162725] p 160 N86-22088

Tennessee Univ., Knoxville.

Regulation of hematopoiesis in rats exposed to antiorthostatic hypokinetic/hypodynamia. II - Mechanisms of the 'anemia' p 80 A86-20404 Hematologic parameters of astrorats flown on SL-3

p 202 A86-30458

A general model for the homogeneous case of the continuous response

[AD-A159345] p 73 N86-15914 Plausibility functions of lowa vocabulary test items estimated by the simple sum procedure of the conditional P.D.F. Approach [AD-A160850]

p 134 N86-18986 Production and characterization of antibodies to enzo(a)pyrene

IDE86-0022041 p 222 N86-23271 Fiberoptics immunofluorescence spectroscopy for chemical and biological monitoring

[DE86-002239] D 225 NRS-24200

Tennessee Valley Authority, Chattanooga. Kinetics of biological ferrous iron oxidation [DE85-014616]

p 4 N86-10736 Texas A&M Univ., College Station.

Analysis of nystagmus response to a pseudorandom velocity input p 402 N86-31426 Texas Technological Univ., Lubbock.

Role of carbonic anhydrase in bone - Partial inhibition of disuse atrophy of bone by parenteral acetazolamid

D 374 A86-43448 Role of carbonic anhydrase in bone resorption induced by 1,25 dihydroxyvitamin D3 in vitro p 375 A86-43449 Role of carbonic anhydrase in bone resorption induced by prostaglandin E2 in vitro p 375 A86-43453 Role of carbonic anhydrase in bone - Plasma acetazolamide concentrations associated with inhibition of bone loss p 375 A86-43454

Texas Univ., Arlington. Effects of atropine sulfate on aircrew performance [AD-A165063] p 290 N86-27919

Texas Univ., Austin. Cockpit resource management -Exploring the attitude-performance linkage p 229 A86-29899 Immunocytochemical localization of calmodulin in pea root caps and plumules and its relevance to hypothe on gravitropism D 197 A86-30419 Physico-chemical studies of radiation effects in cells [DE85-014681] p 83 N86-16878

Diver response to hot water loss at depths greater than 300 meters: Experimental observations and theoretical p 121 N86-19855

Texas Univ., Dallas.

Control of arachidonic acid release in chick muscle cultures D 198 A86-30429 The effect of impulse intensity and the number of impulses on hearing and cochlear pathology in the

chinchille [AD-A1612301 p 109 N86-19827 A chinchilla restraint system

[AD-A167408]

Texas Univ., Galveston. Flow cytometry analysis of hormone receptors on human

p 416 N86-32084

peripheral blood mononuclear cells to identify stress-induced neuroendocrine effects p 403 N86-31428

Texas Univ., Houston.

Compatible atmospheres for a space suit, Space Station, and Shuttle based on physiological principles

p 44 A86-14311 Growth and differentiation of mammalian embryonic tissues exposed to hypergravity in vivo and in vitro

p 194 A86-30400 Cytogenetic analyses of peripheral lymphocytes subjected to simulated solar flare radiation p 412 N86-31431

Texas Univ. Health Science Center, Dallas.

Spacelab life sciences flight experiments - An integrated approach to the study of cardiovascular deconditioning and orthostatic hypotension

[IAF PAPER 85-316] p 36 A86-15826 Texas Univ. Health Science Center, Houston.

Health effects of ambient ozone exposure in vigorously exercising adults [PB86-156940] p 258 N86-25989

Thermedics, Inc., Woburn, Mass.

Development of an ultrafast-curing wound dressing [AD-A162471] p 177 N86-22099

Tokyo Denki Univ. (Japan).

Effects of cation ions in nerve excitation p 37 N86-12377

Toronto Univ., Downsview (Ontario).

Review of modified hemoglobin solutions for use as temporary blood substitutes

[AD-A1642101 p 256 N86-25114 Toronto Univ. (Ontario).

An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33807 A computer model of driver response [UTIAS-293]

p 72 N86-15911 At least some errors are randomly generated (Freud was wrong) p 438 N86-32989 Hitts Law? A test of the relationship between information

load and movement precision p 440 N86-32998 Tromsoe Univ. (Norway).

Enhancement of Pseudomonas aeruginosa virulence by hyperbaric atmosphere conditions p 122 N86-19858

Tufts Univ., Medford, Mass.
The effects of syntactic complexity on the p 271 A86-36172 human-computer interaction

Tulane Univ., New Orleans, La. Automated Portable Test System (APTS) - A

performance envelope assessment tool SAE PAPER 851775] p 263 A86-35427 Tulsa Univ., Okla.

Teratogenic effects of microwave radiation [PB85-207462]

p 7 N86-11837 Tuskegee Inst., Ala.

The effect of high energy (HZE) particle radiation (Ar-40) on aging parameters of mouse hippocampus and retina p 50 A86-17679

Reduction of the spermatogonial population in rat testes flown on Space Lab-3 p 203 A86-30466

Ulm Univ. (West Germany).

Functional development of gravity receptors in insects and amphibians p 389 N86-29527 Program draft for a special field: Gravitational biology p 390 N86-29532

Uniformed Services Univ. of the Health Sciences. Bethesda, Md.

Plasma elevations with simulated weightlessness p 253 A86-36312 Universitaetsspital, Zurich (Switzerland).

Weather sensitivity as discomfort p 165 N86-21025 Universities Space Research Association, Houston,

Endocrine correlates of susceptibility to sickness p 59 A86-18834 Arousal and stability - The effects of five new sympathomimetic drugs suggest a new principle for the prevention of space motion sickness

p 113 A86-25656 University City Science Center, Philadelphia, Pa.

Morphology of human embryonic kidney cells in culture after space flight p 201 A86-30452 University Coll., Cardiff (Wales)

Diatoms on earth, comets, Europa and in interstellar University of Southern California, Los Angele

The role of reabsorption in the spectral distribution of phytoplankton fluorescence emission p 50 A86-16924 Measurement and prediction of flow through a replica segment of a mildly atherosclerotic coronary artery of p 374 A86-43440 Laser kinetic spectroscopy of unimolecular and

bimolecular processes in the gas phase p 394 N86-31209 University of Southern Illinois, Carbondale.

Evolutionary significance mechanisms in cyanobacteria p 307 N86-26898 Utah State Univ., Logan.

Studies on maximum yield of wheat for the controlled environments of space

p 152 N86-19934 Utah Univ., Salt Lake City Effects of N,N,N',N'-Ethylenediaminetetramethylene phosphonic

acid 1-Hydroxyethylidene-1,1-bisphosphonic acid on calcium absorption, plasma calcium, longitudinal bone growth, and bone histology in the growing rat p 374 A86-43444 The effects of prostaglandin E2 in growing rats -

Increased metaphyseal hard tissue and cortico-endosteal bone formation p 375 A86-43450 Behavioral effects of microwave radiation absorption [PB86-113735] p 222 N86-23275 Defining reclaimed water potability requirements

p 410 N86-31422

Vanderbilt Univ., Nashville, Tenn.

Changes in skeletal muscle properties following hindlimb p 198 A86-30428 Interaction of image characteristics of stereoscopic forms during depth perception [AD-A164895]

p 291 N86-26831 Weightlessness simulation: Physiological changes in fast and slow muscle [NASA-CR-176945] p 380 N86-29498

Veterans Administration, New York.

Microgravity changes in heart structure and cyclic-AMP metabolism p 203 A86-30465

Veterans Administration Hospital, Richmond, Va.

Device for rapid quantification of human carotid baroreceptor-cardiac reflex responses

p 162 A86-28125

and

Veterans Admir Transient de	nistration Hospi ehydration of lun				
	•	•	p 200		
Nonlinear	mechanisms	in	physic	logy	an

pathophysiology Toward a dynamical theory of health and p 422 A86-49636 Veterans Administration Hospital, San Francisco, Calif.

Bone loss during simulated weightlessness - Is it glucocorticoid mediated? p 197 A86-30423

The temporal response of bone to unloading INASA-TM-892281 p 397 N86-30303 Virginia Polytechnic Inst. and State Univ., Blacksburg.

Evaluation of 16 measures of mental workload using a simulated flight task emphasizing mediational activity p 179 A86-28864

Virginia Univ., Charlottesville.

Judgments of natural and anomalous trajectories in the presence and absence of motion p 69 A86-16922 Development of intuitive theories of motion - Curvilinear

motion in the absence of external forces p 426 A86-49521

Vreuls Research Corp., Thousand Oaks, Calif.

Performance measurement guidelines for research [AD-A159055] p 71 N86-14891

Washington Univ., Seattle.

Molecular mechanisms of mutagenesis determined by the recombinant DNA technology p 30 N86-13884 [DE85-016353] Effects of long-term low-level radiofrequency radiation exposure on rats. Volume 9: Summary [AD-A159512] p 53 N86-14842

The role of the oceans in the atmospheric cycle of p 277 N86-26796 carbonyl sulfide

Washington Univ., St. Louis, Mo.

Effect of rotopositioning on the growth and maturation of mandibular bone in immobilized Rhesus monkeys

p 106 A86-25659 Red light shifts the locus and rate of gravitropic curvature in etiolate pea epicotyls p 196 A86-30413 Electron microprobe analyses of Ca, S, Mg and P distribution in incisors of Spacelab-3 rats

p 202 A86-30455

A psychophysiological mapping of cognitive processes [AD-A158732] p 43 N86-13895 Cellular effects of electromagnetic radiation

[AD-A158547]

Wisconsin Univ., Madison.

A maternal defect is responsible for growth failure in vitamin D-deficient rat pups p 52 A86-18398 Vitamin D-deficient rats produce reduced quantities of a nutritionally adequate milk p 52 A86-18399 1,25-dihydroxyvitamin D3 normalizes maternal food consumption and pup growth in rats p 52 A86-18400 Regulation of bone mineral loss during lactation

p 82 A86-22713

p 63 N86-14878

environment life support Controlled system: Calcium-related leaf injuries on plants [NASA-CR-176288] p 6 N86-11829

Study of toxic and antigenic structures of botulinum neurotoxins

[AD-A156642] p 29 N86-13880 Pulmonary adaptation to high altitude

p 62 N86-14873 [AD-A157694] Utilization of potatoes in CELSS: Productivity and

growing systems p 152 N86-19935 Potato leaf explants as a spaceflight plant test system

p 153 N86-19939 Inexpert calibration of comprehension [AD-A165701] p 382 N86-28617

Controlled environment life support system: Growth studies with potatoes [NASA-CR-177400] p 434 N86-32101

Wisconsin Univ., Milwaukee.

Models of disuse - A comparison of hindlimb suspension and immobilization p 391 A86-44196

Wistar Inst. of Anatomy and Biology, Philadelphia, Pa. Nuclear lamins and peripheral nuclear antigens during fertilization and embryogenesis in mice and sea urchins p 371 A86-40675

Worcester Polytechnic Inst., Mass

The WPI space glove design project

p 383 A86-40522

WWDBw ABC-Schutz, Munster (West Germany). Calculations on technical requirements for protection

devices against a nuclear light flash

p 284 N86-26819

### X

Xerox Palo Alto Research Center, Calif.

Acquiring procedural skills from lesson sequences [AD-A164580] p 291 N86-26829

Yale Univ., New Haven, Conn.

Attention within auditory word perception [AD-A162550] p 182 N86-22111 Use of membrane vesicles as a simplified system for studying transport of auxin [DE86-002264] p 209 N86-23219 Components of verbal intelligence p 290 N86-26828

[AD-A163359] Yokohama National Univ. (Japan)

Utilization of membranes for H2O recycle system p 148 N86-19910

### 7

### Zentralanstalt fuer Meteorologie und Geodynamik.

Objective investigations and subjective observations of sensitivity to weather p 165 N86-21023 Weather and migraine p 166 N86-21027

The Austrian biometeorological service

p 167 N86-21034 Environmental factors and infant mortality

p 168 N86-21041 Comparison between meteorological complex values and a model of man's energy budget

p 169 N86-21059

# **FOREIGN TECHNOLOGY INDEX**

AEROSPACE MEDICINE AND BIOLOGY / A Continuing Bibliography 1986 Cumulative Index

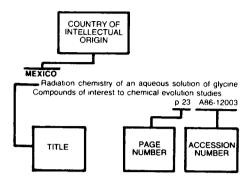
January 1987

p 395 A86-44091

p 430 A86-47739

p 431 A86-47746

### Typical Foreign Technology Index Listina



Listings in this index are arranged alphabetically by country of intellectual origin. The title of the document is used to provide a brief description of the subject matter. The page number and the accession number are included in each entry to assist the user in locating the citation in the abstract section.

The Austrian biometeorological service

p 167 N86-21034

Environmental factors and infant mortality

p 168 N86-21041 Human bioclimatic classification methods illustrated with examples of selected countries p 169 N86-21058 Comparison between meteorological complex values and a model of man's energy budget

p 169 N86-21059

В

### BAHRAIN

The personality and physique of undergraduate aviation

levels of renin, angiotensin II. and 6-ketoprostaglandin F1-alpha in endurance athlete p8 A86-10111

Remarkable metabolic availability of oral glucose during nq-duration exercise in humans p 216 A86-30684 long-duration exercise in humans On the occurrence and appearance of galactic life forms A thermodynamic approach p 297 A86-38150 Treadmill spiroergometry in the selection and screening of high-performance combat aircraft pilots in the Beligan Air Force p 401 N86-30325 BRAZIL

A note on self-replicating information yielding the chemical origin of life p 48 A86-14774 **BULGARIA** 

Disturbances in the night sleep structure and organization and their significance in the adaptive-recuperation processes p 217 A86-32875 Concerning barotrauma of the lungs-trans
[AD-A165006] p 289 p 289 N86-27914

C

### CANADA

to caffeine Enhanced metabolic response xercise-trained human subjects A86-10106 Planetary ecology; Proceedings of the Sixth International Symposium on Environmental Biogeochemistry, Santa Fe, NM, October 10-14, 1983 A86-18026 Hypoxia-induced vasopressin release and coagulopathy in a normal subject p 60 A86-18844 Wearing contact lenses in Space Shuttle operations D 60 A86-18845 Canadian developments in aircrew chemical defence p 97 A86-19342 Defense strategies against hypoxia and hypothermia p 81 A86-22258 Canadian medical experiments on Shuttle Flight 41-G p 110 A86-22996 Skeletal muscle lactate release and alveolytic intermediates during hypercapnia p 155 A86-28124 Ship/rig personnel abandonment and helicopter crew/passenger immersion suits - The requirements in the North Atlantic p 187 A86-29100 Judgment training effectiveness and permanency p 228 A86-29888 Canadian automated pilot selection system p 231 A86-29908 Student pilot stress - An emotional barrier to efficient flight training p 231 A86-29912 Animal models of motion sickness - Are nonemetic species an appropriate choice? p 193 A86-30393 Energy balance in exercise-trained rats acclimated at p 206 A86-30685 two environmental temperatures An investigation of the 'von Restorff' phenomenon in post-test workload ratings p 261 A86-33807 Helicopter flight control with one hand p 269 A86-34923 Advanced em architectural p 269 A86-34957 manipulator requirements for Space Station

Partial recovery of neutrophil functions during prolonged

Naloxone enhances motion sickness - Endorphins

p 246

by bacteria in a

p 247 A86-36368

p 395 A86-44088

hypothermia in pigs Iron-silica crystallite nucleation

geothermal sediment

temperature in a cold environment [AD-A156597] p 22 N86-10786 A computer model of driver response p 72 N86-15911 Investigation of the method to determine carboxyhaemoglobin in blood [AD-A161061] p 127 N86-19892 A review of the pilot backache problem in the CH113 abrador helicopter [AD-A164011] p 256 N86-25113 Review of modified hemoglobin solutions for use as temporary blood substitutes [AD-A1642101 p 256 N86-25114 Canadian forces approach to aircrew p 399 N86-30311 CHILE Conservation of the secondary structure of protein during evolution and the role of the genetic code

The possible involvement of PGI2 in the PEEP-induced

The development of two prototype facial protection

Tactical Life Support System (TLSS) aircrew integrated

Effect of increased body clothing insulation on hand

changes in cardiac output and blood pressure

systems for high performance aircrew helmets

p 372 A86-41047

### CHINA, PEOPLE'S REPUBLIC OF

Human hemodynamic change under high atmospheric pressure p 37 N86-12458 China report: Science and technology [JPRS-CST-85-019] p 39 N86-12966

Protection of eyes against laser damage studied

p 39 N86-12967 Study of a meteorological prediction of acute myocardial p 166 N86-21030 CZECHOSLOVAKIA

Some problems in flight mechanics with respect to flight safety p 131 A86-23772 Meteorotropic changes of cardiac patients' blood pressure and pulse frequency during a complex bath p 166 N86-21031 Weather and subjective health complications in cardia

p 167 N86-21032

D

### DENMARK

The uniqueness of archaebacteria p.50 A86-17808 An intron in the 23S ribosomal RNA gene of the archaebacterium Desulfurococcus mobilis

p 80 A86-21588 Psychological recovery after incidents and accidents within aviation p 232 A86-29924 Excursion limits in shallow water heliox saturation p 125 N86-19877

E

### **ESTONIA**

The effect of different regimens of running training on the physical work capacity and blood plasma lipids and lipoproteins in untrained male and female students p 89 A86-22537

Control errors: Psychological causes - An automated method of analysis p 270 A86-35460

### FINLAND

Hand grip strength decrease related to hand skin temperature drop during six-hour ice cold water p 86 A86-19348 Neuromagnetism Theory, techniques. measurements p 217 A86-33459 FRANCE

Complete right branch blocking and the flight fitness p 31 A86-13567

### ARGENTINA

Quantification of pilot fatigue - A new approach to a crucial problem p 376 Intraventricular conduction disturbances in flying personnel Right bundle branch block

p 378 A86-41788

Calcium antagonists in the prevention of motion sickness A86-20405 p 87 Dual hemispheric processing in a letter matching task p 131 A86-24325

The effects of the contrast, spatial frequency, and temporal frequency of a surrounding field upon the detection thresholds of gratings p 132 A86-26293 Suppression of visible persistence in apparent motion p 133 A86-26298

Prebiotic matter in interstellar molecules p 296 A86-38138

A graphic anthropometric aid for seating and workplace

[AD-A156988] p 23 N86-10788 Analysis techniques for continuous twenty four hour ambulatory blood pressure patterns p 170 N86-21103
A lightweight impermeable suit for chemical protection in warm conditions: A preliminary look at the concept [AD-A164687] p 295 N86-26839

Evaluation of water sterilizing tablets [AD-A165806] p 385 N86-28622

Circadian variation of volume and concentration of orthostatically shifted fluid Day course of blood and plasma density in relation to ther hematological parameters p 215 A86-30446 other hematological parameters Fluid and protein shifts after postural changes in humans p 421 A86-49523

Objective investigations and subjective observations of sensitivity to weather p 165 N86-21023 Weather and migraine p 166 N86-21027

Positive pressure respiration, a means of protecting against + Gz accelerations - A theoretical approach p 31 A86-13568 Mourning and traumatic neuroses - Clinical aspects and aeronautical incidents for one helicopter pilot p 40 Intermediate collimation: Description - Goals - First p 44 A86-13570 Thermal stress imposed on pilots by NBC protective p 44 A86-13571 clothing Nonhypoxic syncopes at high altitude - The results of two observational trials in a hypobaric chamber p 31 A86-13572 p 32 A86-13573 The bends at high altitude Utilization of space stations in the field of life sciences [IAF PAPER 85-51] p 35 A86-15637 Hermes ECLSS - Review of general requirements and dication to the spaceplane definition p 45 A86-15817 FIAF PAPER 85-3041 The C23A system, an example of quantitative control of plant growth associated with a data base [SAE PAPER 851395] p 104 A86-23572 Clinical and psychological surveillance of student pilots at the beginning of training p 111 A86-24501 Clinical problems encountered by a squadron flight surgeon p 112 A86-24502 Clinical problems posed by the medical surveillance of pilots exposed to high levels of acceleration p 112 A86-24503 Ophthalmological problems linked to helicopter flight n 112 A86-24504 A new test of the color vision of professionals p 112 A86-24505 Recurrent serious otitis in a reconnaissance pilot - The consequences for his care p 112 A86-24506 A cold thyroid nodule - Statistical data and aeronautical p 112 A86-24507 Some psychological aspects of air sickness p 131 A86-24508 Gastric and duodenal ulcers and the flight fitness of pilote p 113 A86-24509 Mitral valve prolapse in a young person - An estimation of the risk of arrhythmia - The impact on the flight fitness of a pilot p 113 A86-24510 Ischemic cardiopathology in pilots - The risk, the methods of detection and prevention p 113 A86-24511 p 113 A86-24512 Mechanical solid vibrations Head-up/head-down transition - Measurement of transition times p 186 A86-29092 Volume regulating hormones n 214 A86-30384 Expert computer aided decision in supervisory control p 241 A86-33188 Time course of muscular blood metabolites during forearm rhythmic exercise in hypoxia p 252 A86-36222 Flight fitness and a past myocardial infarction p 281 A86-39772 A practical attitude toward ventricular repolarization bnormalities in flight crews p 282 A86-39773 abnormalities in flight crews Normal or pathological coronary status - Reflections and practical experiences for expertise with flight personnel p 282 A86-39774 Sleep in an aerospace environment p 282 A86-39775 Positively supercoiled DNA in a virus-like particle of an p 372 A86-40879 archaebacterium Stimulating effect of space flight factors on Artemia cysts Comparison with irradiation by gamma rays p 373 A86-41787 Circadian variations of systolic time intervals p 394 A86-44087 Inhibitory effects of combined agonist and antagonist muscle vibration on H-reflex in man p 395 A86-44090 Effect of physical training in humans on the response of isolated fat cells to epinephrine p 418 A86-47868 Development of a hierarchical multiprocessor control for a polyarticulated mechanical structure used to study human operators subjected to vibrations p 433 A86-48553 CNES of France researches remote control system for p 75 N86-15444 space Characterization of YAG lasers for ophthalmologic applications [SNIAS-852-430-107] p 93 N86-16894 Variations in state of vigilance during continuous operations at a command post [DRIC-T-7503] p 95 N86-16900 Helicopter cockpit organization for night vision [SNIAS-852-210-103] p 101 N86-17996 Comparison of bradycardia breath-hold on divers and nondivers: Its importance for the capacity visit of divers p 122 N86-19863 The influence of individual factors in man on bubble

Ultrasonic detection of circulating bubbles in ewes exposed to simulated dives deeper than 800 msw under isobaric conditions and with unchanged gas mixtures p 125 N86-19882 The C23A system, an exmaple of quantitative control of plant growth associated with a data base p 148 N86-19911 Can plants grow in quasi-vacuum? p 152 N86-19931 Wheat response to CO2 enrichment: CO2 exchanges p 152 N86-19932 transpiration and mineral uptakes Radioprotection update [BLL-CE-TRANS-8223-(9022-09] p 187 N86-21146 Demonstration and role of chemoreception in the marine zoonlankton [DRIC-T-7456] Psychological selection of personnel for employment in the Antartic [DRIC-T-7449] p 235 N86-23278 Visual Protection and Enhancement [AGARD-CP-379] p 283 N86-26802 Contact lenses for pilots and aircrew in the n 284 N86-26815 Search for chiral molecules and optical activity in extraterrestrial systems. The Cassini mission opportunity p 387 N86-28871 The choice of seat back angle to improve acceleration [CEV-70-209] p 386 N86-29512 Medical Selection and Physiological Training of Future Fighter Aircrew p 398 N86-30309 [AGARD-CP-396] Selection and medical testing of Mirage 2000 pilots: N86-30314 p 399 Report of echocardiography Continuous ECG monitoring of Mirage 2000 pilots (comparison with Mirage 3 and F1 pilots) p 399 N86-30315 The use of ECG changes caused by acceleration as lerance prediction factors p 399 N86-30316 tolerance predicition factors Sensitivity to color contrasts and the selection of navigator personnel p 400 N86-30318
The vertebral column: Selection and aptitude of combat p 400 N86-30318 aircraft pilots of the future p 400 N86-30322 Physical training of Mirage 2000 pilots p 401 N86-30324 Speed of work and error rate: Analyses of individual differences in a choice reaction series with a cognitive [FSA-TT-944] p 427 N86-32099 G **GERMANY, FEDERAL REPUBLIC OF** Hierarchy of control models for temperature regulation

p 22 A86-10158 Biological parameters in Japanese quail genetically selected for resistance or sensitivity to an acute hypoxic p 2 A86-10256 Serum levels of eleven steroid hormones following p 8 A86-10259 motion sickness Could life have arisen in the primitive atmosphere? p 24 A86-12004

Carbon isotope discrepancy between Precambrian stromatolites and their modern analogs - Inferences from hypersaline microbial mats of the Sinai Coast p 25 A86-14119

Molecular theory of evolution: Outline of physico-chemical theory of the origin of life

p 76 A86-17623 A rule-based model of human problem-solving behavior dynamic environments p 70 A86-17772 in dynamic environments Thermophilic archaebacteria occurring in submarine hydrothermal areas p 51 A86-18034 BLSS, a European approach to CELSS

p 141 A86-23569 [SAE PAPER 851391] Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based on water reclamation

[SAE PAPER 851397] p 104 A86-23574 The life sciences on board of Spacelab D1

D 106 A86-24610 Sensitivity to phase distortions in central and peripheral p 133 A86-26294

'The causes of causes' - Determinants and background variables of human factor incidents and accidents p 233 A86-29930

Interaction between controlling, planning, and fault managing in complex man-machine systems

p 240 A86-33184 Concepts for the life support subsystem in the EURECA **Botany Facility** 

[DGLR PAPER 85-126] p 245 A86-34573 Space Station design criteria for long-term human

habitation [DGLR PAPER 85-147] p 269 A86-35185

Hemodynamic response to LBNP following 2 hours HDT p 252 A86-36309 (pah 3-)

Environmental control and life support systems p 406 A86-44534

Evaluation of man-machine systems: Methods and problems; Symposium, November 14, 15, 1985, Cologne, West Germany, Reports [DGLR-BERICHT 85-04] p 432 A86-47766

Evaluation of man-machine systems - Introduction and p 432 A86-47767

Determination of the load and stress on a cockpit crew during flight using tasking networks and the SAINT p 432 A86-47770 simulation language

Application of the method of problem taxonomy to the simulation of human service reliability in the manual eering of aircraft

p 432 A86-47771 [MBB-LKE-301/S/PUB/216] Investigating the ocular fixation of targets as an anthropotechnical research method in man-machine p 433 A86-47772

A basic concept for evaluating man-machine systems n 433 A86-47773

Techniques of asking questions in the evaluation of p 433 A86-47774 p 433 A86-47775 man-machine systems A measure of usability Photoactive pigments in halobacteria from the Gavish

Sabkha p 415 A86-49998 Report on the research activities on whole-body vibrations. Human strain due to mechanical vibrations

p 15 N86-10773 [ISBN-3-88383-107-7] Extended analysis of the structure of error scores in sychological aptitude tests

[DFVLR-FB-85-20] p 20 N86-10780 Speed of work and error rate: Analyses of individual differences in a choice reaction series with a cognitive component

[DFVLR-FB-85-21] p 20 N86-10781 Investigations of the effects of gravity on Paramecium caudatum structure and behavior [DFVLR-FB-85-40] p 56 N86-15863

On the effects of X irradiation on the Bacillus subtilis spores in a day and wet system DFVLR-FB-85-44]

p 56 N86-15864 Experience and performance in video games and its influence on aptitude tests in aviation psychology p 73 N86-15915 [DFVLR-FB-85-431

Instructions for flight crew members and flight crew training and examination guidelines of the West German Federal Board of Transport

[REPT-1] p 95 N86-17985 First German Spacelab missions, no. 6

p 118 N86-18979 [PR-6] High pressure oxygen (OHP) induced increase of serum prolactin is not due to a dopamine (DA)-receptor p 123 N86-19867 blockade

Hygienic aspects of water supply for chamber sanitary facilities, changes of divers' bacterial mouth flora and effectiveness of ear prophylaxis in saturation dives p 124 N86-19874

Wet chamber dives to test algorithms for electronic decompressiometers p 125 N86-19878 BLSS, a European approach to CELSS

p 148 N86-19908 Description of concept and first feasibility test results of a life support subsystem of the Botany Facility based p 149 N86-19912 on water reclamation Neurophysiological activity and psychophysical effectiveness of environmental factors

p 164 N86-21013 The interface between atmosphere and organism

N86-21014 p 164 Man's thermal budget under various climates

p 164 N86-21016

Application of a nonstationary energy budget model to determine thermal comfort p 164 N86-21017 Physical causes of air draft phenomena, new facts

p 164 N86-21018 p 164 N86-21019 Climatic cure on a practical level Weather as a physical process and parameterization of the effects as a meteorological contribution for investigating the correlation between weather and man

p 166 N86-21026 Weather and asthma symptoms p 166 N86-21029 Investigations of the possible influence of air electrical phenomena on dulling and ghost aching in amputated patients p 167 N86-21033

Height-dependent reduction of airborne pollen and effects on children and teenagers affected by bronchial asthma p 167 N86-21036

p 167 N86-21038 Effects of air pollution on man Group diagnosis as risk assessment in environment p 167 N86-21039 hvaiene Immission and weather effects on children's airway illnesses in Berlin (1979-1982): Methodology and result summary p 168 N86-21040

formation in air diving decompression

p 125 N86-19881

Airway infections related to city climate and local
immission load p 168 N86-21042 What in human biometeorology can contribute to
assessment of the effects of hazardous substances on
Immission and weather effects on children's sinvey
troubles in Berlin (1979-1982). Time series investigations:
Croup syndrome and asthmatic airway troubles p 168 N86-21044
Emmission and weather effects on children's airway troubles in Berlin (1979-1982). Comparison of two different
immissions: Loaded residential areas in West Berlin
polluted areas p 168 N86-21045 Air quality determination in health resorts
p 169 N86-21046
The biological efficiency of dust emmission:  Determination based on the withering degree of exposed
lichens p 169 N86-21047
Problems of city planning p 169 N86-21049 Problems in city climate evaluation in human
biometeorological terms p 169 N86-21050
Local climatic particularities and their importance for recreation area (example, Saarland-lower Bliestal)
p 170 N86-21064
Spatial distribution of heat and cold stress in the Federal Republic of Germany p 170 N86-21065
Study of biosample preservation, handling, and
observation facilities [ESA-CR(P)-2126] p 213 N86-24191
The effect of high frequency electromagnetic fields on
human beings (frequency range between 1 kHz and 1000 GHz) p 223 N86-24193
Cockpit automation requirements derived from mission
functions data p 293 N86-26318 Operational experiences with night vision goggles in
nelicopter low-level flight at night p 293 N86-26805
ophthalmological view p 283 N86-26812
New glasses for presbyopic pilots
p 283 N86-26814 Calculations on technical requirements for protection
devices against a nuclear light flash
p 284 N86-26819 Applied biology and biotechnology, the program of the
Federal government, 1985-1988
[ETN-86-96938] p 386 N86-28626 Exobiological aspects in view of Titan
The state of the s
p 387 N86-28868
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 Some remarks on gravitational biology
P 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] P 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany P 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness P 387 N86-29516 Some remarks on gravitational biology P 387 N86-29517 Investigations of Paramecium cells analyzed under
P 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany  [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 Some remarks on gravitational biology  Investigations of Paramecium cells analyzed under microgravity conditions  The origin of the spicule skeleton of fresh water sponges
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology p 387 N86-29516 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany  [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 Some remarks on gravitational biology  Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29519 The origin of the spicule skeleton of fresh water sponges (Spongillides) Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology p 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson)
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 Some remarks on gravitational biology p 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) p 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 Some remarks on gravitational biology Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29517 The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) P 388 N86-29520 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29521 Xiphophorus: A system to recognize radiation-indused
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 Some remarks on gravitational biology p 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) P 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibitians under micro g conditions p 388 N86-29522 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) P 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29522 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) P 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29521 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development  P 388 N86-29523 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) p 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29521 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development  p 388 N86-29523 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro p 388 N86-29524 A learning model as a basis for investinations of the
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29521 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development  p 388 N86-29523 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro p 388 N86-29524 A learning model as a basis for investigations of the effects of gravity on the learning processes and memory
Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany p 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 Some remarks on gravitational biology p 387 N86-29516 Some remarks on gravitational biology p 387 N86-29516 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) p 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29522 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development  Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro p 388 N86-29524 A learning model as a basis for investigations of the effects of gravity on the learning processes and memory formulation p 389 N86-29525
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) p 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29522 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development  P 388 N86-29523 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro p 388 N86-29524 A learning model as a basis for investigations of the effects of gravity on the learning processes and memory formulation p 389 N86-29525 Long-term adaptation of the ololith organs
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) p 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29521 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development  P 388 N86-29523 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro p 388 N86-29524 A learning model as a basis for investigations of the effects of gravity on the learning processes and memory formulation p 389 N86-29525 Functional development of gravity receptors in insects
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) p 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29522 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development  P 388 N86-29523 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro p 388 N86-29524 A learning model as a basis for investigations of the effects of gravity on the learning processes and memory formulation p 389 N86-29525 Long-term adaptation of the ololith organs
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) P 388 N86-29522 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29522 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development  P 388 N86-29523 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro p 388 N86-29524 A learning model as a basis for investigations of the effects of gravity on the learning processes and memory formulation p 389 N86-29525 Functional development of gravity receptors in insects and amphibians p 389 N86-29525 Function-dependent plasticity in the nervous system p 389 N86-29525
Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology p 387 N86-29516 Some remarks on gravitational biology p 387 N86-29516 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) p 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29522 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development  p 388 N86-29523 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro p 388 N86-29525 Long-term adaptation of the otolith organs p 389 N86-29526 Functional development of gravity receptors in insects and amphibians p 389 N86-29528 Function-dependent plasticity in the nervous system p 389 N86-29528 Morphology and development of shours p 389 N86-29528
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology P 387 N86-29516 Some remarks on gravitational biology P 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) P 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29521 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development  P 388 N86-29523 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro p 388 N86-29524 A learning model as a basis for investigations of the effects of gravity on the learning processes and memory formulation p 389 N86-29525 Long-term adaptation of the oloith organs P 389 N86-29525 Functional development of gravity receptors in insects and amphibians p 389 N86-29527 Function-dependent plasticity in the nervous system p 389 N86-29528 Morphology and development of the inner ear of Anurans Questions on the evolution of the development of
p 387 N86-28868 Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 Some remarks on gravitational biology Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29517 Investigations of Paramecium cells analyzed under microgravity conditions p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) p 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29522 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development  P 388 N86-29523 Hypoxic hypoxia as a stimulus of Erythropoiesis in vivo and in vitro p 388 N86-29524 A learning model as a basis for investigations of the effects of gravity on the learning processes and memory formulation p 389 N86-29525 Long-term adaptation of the otolith organs p 389 N86-29526 Functional development of gravity receptors in insects and amphibians p 389 N86-29526 Function-dependent plasticity in the nervous system p 389 N86-29527 Function-dependent plasticity in the nervous system p 389 N86-29528 Morphology and development of the developmental program of the vertebrate inner ear under long term zero
Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514  The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515  A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516  Some remarks on gravitational biology p 387 N86-29517  Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518  The origin of the spicule skeleton of fresh water sponges (Spongilidles) p 388 N86-29519  Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson)  p 388 N86-29521  Changes in the morphological and molecular biological processes during early embryo development in amphibians under micro g conditions p 388 N86-29522  Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development  Hypoxic hypoxia as a stimulus of Erythropolesis in vivo and in vitro p 388 N86-29523  A learning model as a basis for investigations of the effects of gravity on the learning processes and memory formulation p 389 N86-29525  Long-term adaptation of the otolith organs p 389 N86-29525  Function-dependent plasticity in the nervous system p 389 N86-29526  Morphology and development of the inner ear of Anurans p 389 N86-29528  Questions on the evolution of the developmental program of the vertebrate inner ear under long term zero g conditions p 389 N86-29529  Questions on the evolution of aquatic organisms in
Proceedings and program draft in Gravitational Biology in the Federal Republic of Germany [DFVLR-MITT-85-16] p 387 N86-29514 The role of the DFVLR project management life sciences in the space program of the Federal Republic of Germany A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29515 A theoretical concept for state changes and shape changes in weightlessness p 387 N86-29516 Some remarks on gravitational biology p 387 N86-29516 Some remarks on gravitational biology p 387 N86-29518 Investigations of Paramecium cells analyzed under microgravity conditions p 387 N86-29518 The origin of the spicule skeleton of fresh water sponges (Spongillides) p 388 N86-29519 Limb regeneration in amphibians, a suitable model for investigations of the effects of weightlessness as regards evolution and modifications p 388 N86-29520 Investigations of the reproductive physiology of the rainbow trout (Salmo gairdneri Richardson) p 388 N86-29520 Investigations of gairdneri Richardson) p 388 N86-29521 Changes in the morphological and molecular biological processes during early embryo development in amphibitians under micro g conditions p 388 N86-29522 Xiphophorus: A system to recognize radiation-induced mutations and to study the effects of zero-gravity environment on embryo development p 388 N86-29522 A learning model as a basis for investigations of the effects of gravity on the learning processes and memory poromulation p 389 N86-29525 Long-term adaptation of the otolith organs p 389 N86-29525 Function-dependent plasticity in the nervous system p 389 N86-29525 Morphology and development of the inner ear of Anurans p 389 N86-29520 Questions on the evolution of the developmental program of the vertebrate inner ear under long term zero conditions p 389 N86-29530

	JAPAN
Influence of gravity on structure and behavior of	Bimane derivatives as fluorescent probes for biological
[ESA-TT-963] p 416 N86-32087	macromolecules [AD-A162725] p 160 N86-22088
Investigation of pilot behavior within the scope of a training program for handling qualities rating in a ground	ITALY Investigation on the chirality of electrons from Sr-90-Y-90
simulator [DFVLR-MITT-86-01] p 429 N86-32975	beta-decay and their asymmetrical interactions with D- and
GERMANY, PEOPLES DEMOCRATIC REPUBLIC OF	Reduction of subjective redundancy in image signals:
for the evaluation of operational reliability of pilots and	FUB-24-1984] p 64 N86-14884
cosmonauts [IAF PAPER 85-326] p 41 A86-15831	Elements of Radiation Protection
On the importance of cooling in climatic therapy	Biological effects of ionizing radiation
p 165 N86-21020	p 288 N86-27909 Effects of radiation health p 288 N86-27910
н	Operating radiation protection: Physical aspects
HONG KONG	p 288 N86-27911 Operating radiation protection: Medical aspects
Visual lobe area for single targets on a competing	p 288 N86-27912
homogeneous background p 234 A86-31821	J
ı	JAPAN
INDIA	Investigation of Eustachianal function in JASDF pilots
INDIA  Medical requirement for manned space programme	by new apparatus. I - On the pressural regulation of the Eustachian tube in normal human p 32 A86-13941
p 11 A86-12426 Medical evaluation of cosmonauts - Physiological stress	Cold water immersion test of prototype anti-exposure
testing p 11 A86-12427	Psychological states of student pilots in flight training
Medical evaluation of cosmonauts - Cardiovascular assessment p 11 A86-12428	p 41 A86-13943 Changes of flying skills during non-flight periods
Medical evaluation of cosmonauts - Assessment of	p 41 A86-13944
vestibular system p 11 A86-12429 Medical evaluation of cosmonauts - 'Acceleration'	fluctuating sound by a stochastic approximation method
p 11 A86-12430 Medical evaluation of cosmonauts - Psychological	p 41 A86-14575 Basic consideration on CELSS
testing p 19 A86-12431	[IAF PAPER 85-307] p 45 A86-15819 Effect of fasting on hypoxia tolerance of mice in relation
Medical evaluation of cosmonauts - Biochemical	to oxygen consumption and heart rate
investigations p 11 A86-12433 EEG studies in episodic unconsciousness, seizure	p 52 A86-18840 Cerebral thrombosis at altitude - Its pathogenesis and
disorder and syncope p 12 A86-12434 Airsickness among Indian Airlines passengers	the problems of prevention and treatment p 87 A86-20410
p 12 A86-12435 Vibration transmissibility in seated subjects	Effect of immobilization stress on body weight in rats p 81 A86-22324
p 22 A86-12436	Cardiorenal-endocrine responses to head-out immersion
Effect of exposure to heat, hypoxia, cold, acceleration, and vibration stress on the total blood sulfhydryl groups	CELSS experiment model and design concept of gas
in human subjects p 33 A86-14319 Orthostatic tolerance of normal Indians and those with	recycle system [SAE PAPER 851393] p 141 A86-23570
suspected abnormal cardiovascular reflex status	Utilization of membranes for H2O recycle system
p 114 A86-25661 Systolic time intervals in pilots and non-pilots during 70	Wet-oxidation waste management system for CELSS
deg head-up tilt p 250 A86-33757 Medical problems of space flights p 251 A86-35285	[SAE PAPER 851398] p 141 A86-23575 Sodium and potassium recycle in closed
Training of cosmonauts and experience during space	ecosystem-space agriculture p 144 A86-25199 On the pilot's behavior of detecting a system parameter
Medical evaluation of cosmonauts during space flight	change p 145 A86-25229
and immediate pre and post flight periods p 251 A86-35287	Photometric and photo acoustic measurement of the absorbance of micro-organisms and its relation to the
Vectorcardiographic studies during Indo-Soviet joint	micro-organism-grain hypothesis p 188 A86-26671 The effects of circuit weight training and G experience
Some aspects of yogic exercises during space flight	01 + G2 (0lerance p 161 A86-28098
p 263 A86-35289 Evaluation of precordial mapping before and after	Changes in catecholamine excretion during physical and mental workload p 161 A86-28099
submaximal exercise amongst normal and asymptomatic subjects with non specific ST-T abnormalities	Effects of physiological and mental stress on crew members in relatively long flight by C-1 jet transport
p 251 A86-35290	aircraft p 161 A86-28100
Respiratory diseases - Aeromedical aspects including disposal p 252 A86-35291	Changes in glycolytic intermediates in rat erythrocytes during exposure to simulated high altitude
Comparative study of acetazolamide and spironolactone on regional blood distribution on exposure to acute	p 156 A86-29097 Modification of the resting oxygen consumption level
hypobaric hypoxia p 246 A86-35863	of biological body and its tissues, during prolonged
Heat acclimation - Cardiac performance of isolated rat	hypodynamics exposure p 194 A86-30398 Multi-component characterization of the human
heart p 82 A86-22663 Transdermal scopolamine - Human performance and	operator's control output p 241 A86-33186
side effects p 163 A86-29094 Systolic blood pressure in fighter pilots after 12-15 years	A hierarchical model of pilot's procedural behavior for cockpit workload analysis p 263 A86-33983
service p 250 A86-33762	Mental fitness for duty and control of arousal state [SAE PAPER 851778] p 263 A86-35429
The psychophysics of workload - A second look at the relationship between subjective measures and	Cutaneous vascular responses to heat simulated at a
performance p 260 A86-33804 Central serous retinopathy (choroidopathy) in pilots	high altitude of 5,600 m p 252 A86-36219 Recent observations of organic molecules in nearby
p 254 A86-36317	cold, dark interstellar clouds p 296 A86-38139
The synthesis of primitive 'living' forms - Definitions, goals, strategies and evolution synthesizers	What is the parameters for the prediction of seasickness susceptibility? - On the point of view for
p 372 A86-41045 Low back pain in pilots p 395 A86-44092	visual-vestibular-somatosensory interaction p 377 A86-41645
The significance of recurrent childhood respiratory	Detection of system failure by human operator. I - The
disorders in flight training applicants p 395 A86-44995 Visual accommodation and virtual image displays	case of monitor p 403 A86-43535 Review on secondary task technique for workload
Target detection and recognition p 406 A86-45015 Enhanced detection in the aperture of focal attention	assessment Some consideration of secondary task paradigms and an assessment model
during simple discrimination tasks p 403 A86-45955	p 403 A86-43539

Alteration of rat brain catecholamine levels under	Study on design techniques for robots (space	Control loops with human operators in space operations.
hypoxia p 391 A86-43540	applications). Volume 2: Technical appendices	Part 4: Research requirements for human-in-the-loop
Biochemical responses of Xenopus Laevis muscles to	[FOK-TR-R-84-110-VOL-2] p 47 N86-13904 Study on design techniques for robots (space	space teleoperator development
changes in environment. I Comparison to Rana	applications). Volume 3: Executive summary	[NLR-TR-84116-L-PT-4] p 435 N86-32109
Catesbeiana and exposure to gravic environment p 415 A86-50288	[FOK-TR-R-84-110-VOL-3] p 47 N86-13905	Control loops with human operators in space operations.
•	Quantitative models describing the kinetics of tumor cell	Part 5: Executive summary
Biochemical responses of Xenopus laevis muscles to changes in environment. II - Responses to gravity and	proliferation: A comparison to experimental data	[NLR-TR-84116-L-PT-5] p 435 N86-32110
pressure p 415 A86-50289	[CWI-AM-R8418] p 53 N86-14844	Zopiclone's residual effect upon actual driving
• • • • • • • • • • • • • • • • • • • •	Theoretical and experimental analysis of pilot failure	performance versus those of nitrazepam and
Effects of -Gz centrifugal acceleration upon cardiac output of hamster p 415 A86-50290	detection behavior during various automatic approach	flunitrazepam [VK-84-10] p 423 N86-32954
•	conditions	,
Effects of cation ions in nerve excitation p 37 N86-12377	[NLR-MP-83025-U] p 72 N86-14895	Implementation of models for the transient division system of spatio-temporal visual perception
An appraisal of dive profiles in shellfish divers with	Report of the symposium on biological monitoring of	[ETN-86-97533] p 425 N86-32965
reference to the risk of decompression sickness	exposure to metals and other inorganic compounds	• • • • • • • • • • • • • • • • • • • •
p 125 N86-19879	[MBL-1985-6] p 85 N86-17980	A model of the transient part of the spatio-temporal perception, containing a two-dimensional long fiber
•	Photosimulation of target acquisition in the presence	[ETN-86-97540] p 426 N86-32966
Effect of low and high environmental temperatures on	of smoke: A pilot study	· · · · · · · · · · · · · · · · · · ·
decompression sickness in the aging rat p 126 N86-19884	[IZF-1984-36] p 95 N86-17986	Control loops with human operators in space operations.
·	The biomorphic model of the human pilot	Part 2: Robotics operations and manual control experiment
CELSS experiment model and design concept of gas	[VTH-LR-310] p 100 N86-17991	[NLR-TR-84116-L-PT-2] p 444 N86-33024
recycle system p 148 N86-19909	Heat transfer in impermeable clothing: Sweat plays a	NEW ZEALAND
Utilization of membranes for H2O recycle system	role after all	Professional flightcrew human resource development
p 148 N86-19910 Gas and water recycling system for IOC vivarium	[IZF-1985-9] p 100 N86-17992 A Computer Aided Design (CAD) system as a tool for	Developing a Needs Assessment Programme
experiments p 150 N86-19920	the ergonomist in developing man-machine systems	p 232 A86-29915
Water recycling system using thermopervaporation	[IZF-1985-10] p 100 N86-17993	NORWAY
method p 150 N86-19921	Color on displays. Part 1: The psychophysical and	Analyses of maximum cardiopulmonary performance
Electrodermal changes corresponding to the degree of	physiological aspects	during exposure to acute hypoxia at simulated altitude -
discomfort induced by motion sickness	[IZF-1985-11] p 100 N86-17994	Sea level to 5000 meters (760-404 mm Hg)
[NAL-TR-880] p 176 N86-22096	Effects of intermittent exposure to hyperoxia in	p 60 A86-18839
Studies on information processing mechanisms in the	operational diving p 123 N86-19868	
central visual system of the cat	Early detection and treatment of avascular bone necrosis	The effect of water ingress on buoyancy and thermal quality of survival suits p 97 A86-19333
[EL-861] p 277 N86-27865	in divers p 124 N86-19872	
Studies on visual information processing in retinal	On interacting populations that disperse to avoid	Proteinuria in fighter pilots after high +Gz exposure
neurons	crowding: The effect of a sedentary colony	p 113 A86-25653
[EL-859] p 288 N86-27906	[REPT-4] p 181 N86-21145	Diffuse pulmonary ossification and spontaneous
Studies on accurate measurements and analyses of	Development, growth and time	pneumothorax in a pilot - A case report
human olfactory evoked potentials	[CWI-CS-R8516] p 277 N86-26795	p 395 A86-44093
[EL-863] p 288 N86-27907	Individual parameters in thermoregulatory control; a	A study of human lymphocyte morphology from the
•	review	peripheral circulation after hyperbaric exposure
i i	[IZF-1985-26] p 283 N86-26801	p 121 N86-19857
<b>L</b>	Dynamic behaviour of spherical and aspherical contact	Enhancement of Pseudomonas aeruginosa virulence by
	lenses exposed to +Gz-acceleration forces	hyperbaric atmosphere conditions p 122 N86-19858
LATVIA	p 294 N86-26816	Effects of dry and humidified breathing gas (air) at 37
The regulatory mechanisms of blood supply in skeletal	Driving performance the day after use of loprazolam,	C on pulmonary function in hyperbaric conditions
muscles p 207 A86-32524	flunitrazepem and placebo	p 122 N86-19861
LITHUANIA	[VK-83-04] p 290 N86-26826	Increased inotropi of the heart in normoxic hyperbaric
Investigations of higher plants under weightlessness	The effects of the antidepressants oxaprotiline,	atmosphere p 123 N86-19869
p 192 A86-30388		Psychological and physiological stress reactions among
F 112 1101 1101	mianserin, amitryptiline and doxepin upon actual driving	
·	mianserin, amitryptiline and doxepin upon actual driving performance	
·		
M	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880
M	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance	sports diver-students p 124 N86-19875 Alternatives to standard air tables
MEXICO	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation
MEXICO Radiation chemistry of an aqueous solution of glycine	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation
MEXICO  Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report	sports diver-students p 124 N86-19875 Alternatives to standard air tables Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323	sports diver-students p 124 N86-19875 Alternatives to standard air tables Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research	sports diver-students p 124 N86-19875 Alternatives to standard air tables  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335	sports diver-students p 124 N86-19875 Alternatives to standard air tables  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112   P  POLAND  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N NETHERLANDS	performance [VK-83-05] p 290 N86-26827 Flurezepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336	sports diver-students Alternatives to standard air tables Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002]  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031]  p 124 N86-19875 N86-19875 N86-19875 N86-25112
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 Advances in radiobiological research: Hypoxic
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report  p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience	sports diver-students p 124 N86-19875 Alternatives to standard air tables  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15894 Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337	sports diver-students p 124 N86-19875 Alternatives to standard air tables  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 Advances in radiobiological research: Hypoxic irradiation effects Tritium ingestion in rats p 58 N88-15895
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Confrence on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894 Tritium ingestion in rats p 58 N86-15895 The absorption of benzene through human skin
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report  p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 Advances in radiobiological research: hypoxic irradiation effects p 57 N86-15894 Tritium ingestion in rats p 58 N86-15895 The absorption of benzene through human skin [AD-A161157] p 127 N86-19894
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894 Tritium ingestion in rats p 58 N86-15895 The absorption of benzene through human skin [AD-A161157] Meteorotropic determinants of road collisions and
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-69-97385] p 423 N86-32093 Activities report on physical and psychological health	sports diver-students p 124 N86-19875 Alternatives to standard air tables  p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15893 Tritium ingestion in rats p 58 N86-15895 The absorption of benzene through human skin [AD-A161157] p 127 N86-19894 Meteorotropic determinants of road collisions and accidents p 165 N86-21022
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28265 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Infrared spectral identification of complex organic	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894 Trittum ingestion in rats p 58 N86-15895 The absorption of benzene through human skin [AD-A161157] p 127 N86-19894 Meteorotropic determinants of road collisions and accidents p 165 N86-21022 Application of meteorological and solar data in health
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report  p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094	sports diver-students p 124 N86-19875 Alternatives to standard air tables  p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15893 Tritium ingestion in rats p 58 N86-15895 The absorption of benzene through human skin [AD-A161157] p 127 N86-19894 Meteorotropic determinants of road collisions and accidents p 165 N86-21022
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the	sports diver-students Alternatives to standard air tables Alternatives to standard air tables Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002]  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031] Advances in radiobiological research: Hypoxic irradiation effects Tritium ingestion in rats The absorption of benzene through human skin [AD-A161157] Meteorotropic determinants of road collisions and accidents Application of meteorological and resort climatherapy  P 125 N86-19875 N86-25112  P 255 N86-25112  P 277 N86-15893 N86-15893 The absorption of benzene through human skin p 127 N86-19894 N86-21022 Application of meteorological and solar data in health resort climatherapy p 170 N86-21067
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach p 296 A86-38142	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894 Trittum ingestion in rats p 58 N86-15895 The absorption of benzene through human skin [AD-A161157] p 127 N86-19894 Meteorotropic determinants of road collisions and accidents p 165 N86-21022 Application of meteorological and solar data in health
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach Variability analysis of visually induced responses in the	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report  p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095	sports diver-students Alternatives to standard air tables  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002]  POLAND  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe  East Europe report: Science and technology [JPRS-ESA-85-031] Advances in radiobiological research: Hypoxic irradiation effects Tritium ingestion in rats The absorption of benzene through human skin  [AD-A161157] Meteorotropic determinants of road collisions and accidents Application of meteorological and resort climatherapy  R
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach p 296 A86-38142 Variability analysis of visually induced responses in the midst of noise	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making	sports diver-students Alternatives to standard air tables  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002]  P  POLAND  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031] Advances in radiobiological research: Hypoxic irradiation effects Tritium ingestion in rats The absorption of benzene through human skin [AD-A161157]  Meteorotropic determinants of road collisions and accidents Application of meteorological and resort climatherapy  R  ROMANIA (RUMANIA)
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach p 296 A86-38142 Variability analysis of visually induced responses in the midst of noise [B8564052]	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 East Europe report: Science and technology [JPRS-ESA-85-031] Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15893 The absorption of benzene through human skin p 127 N86-19894 Meteorotropic determinants of road collisions and accidents p 165 N86-21022 Application of meteorological and solar data in health resort climatherapy p 170 N86-21067  R  ROMANIA (RUMANIA) Hypokinezia and space flight reflected on rats
MEXICO  Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003  Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS  Design techniques for robots - Space applications p 183 A86-28074  European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285  The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-2926  Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140  Panspermia - A modern astrophysical and biological approach p 296 A86-38142  Variability analysis of visually induced responses in the midst of noise [B8564052] p 16 N86-10774	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making p 427 N86-32096 Artificial intelligence and the Rule Oriented System	sports diver-students Alternatives to standard air tables  Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002]  P  POLAND  Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031] Advances in radiobiological research: Hypoxic irradiation effects Tritium ingestion in rats The absorption of benzene through human skin [AD-A161157]  Meteorotropic determinants of road collisions and accidents Application of meteorological and resort climatherapy  R  ROMANIA (RUMANIA)
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach p 296 A86-38142 Variability analysis of visually induced responses in the midst of noise [B8564052] p 16 N86-10774 Studies on human vehicle control	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making	sports diver-students Alternatives to standard air tables  p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002]  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031] Advances in radiobiological research: Hypoxic irradiation effects Tritium ingestion in rats The absorption of benzene through human skin [AD-A161157] Meteorotropic determinants of road collisions and accidents Application of meteorological and resort climatherapy  R  ROMANIA (RUMANIA) Hypokinezia and space flight reflected on rats p 200 A86-30442
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-2926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach Variability analysis of visually induced responses in the midst of noise [B8564052] p 16 N86-10774 Studies on human vehicle control [B856352] p 19 N86-10775 Car driving as a supervisory control task	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making p 427 N86-32096 Artificial intelligence and the Rule Oriented System	sports diver-students Alternatives to standard air tables  p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002]  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031] Advances in radiobiological research: Hypoxic irradiation effects Tritium ingestion in rats The absorption of benzene through human skin [AD-A161157] Meteorotropic determinants of road collisions and accidents Application of meteorological and resort climatherapy  R  ROMANIA (RUMANIA) Hypokinezia and space flight reflected on rats p 200 A86-30442
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach Variability analysis of visually induced responses in the midst of noise [B8564052] Studies on human vehicle control [B8663351] p 19 N86-10775 Car driving as a supervisory control task [B8663351] p 19 N86-10776	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report  p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making p 427 N86-32097	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 East Europe report: Science and technology [JPRS-ESA-85-031] Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15893 The absorption of benzene through human skin p 127 N86-19894 Meteorotropic determinants of road collisions and accidents p 165 N86-21022 Application of meteorological and solar data in health resort climatherapy p 170 N86-21067  R  ROMANIA (RUMANIA) Hypokinezia and space flight reflected on rats
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach p 296 A86-38140 Variability analysis of visually induced responses in the midst of noise [B8564052] p 16 N86-10774 Studies on human vehicle control [B8563352] p 19 N86-10775 Car driving as a supervisory control task [B85633521] p 19 N86-10776 Standardization of tasks: Approach planning	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making p 427 N86-32096 Artificial intelligence and the Rule Oriented System Simulation (ROSS) language p 427 N86-32097 Auditory versus visual selective-attention tasks	sports diver-students
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach p 296 A86-38142 Variability analysis of visually induced responses in the midst of noise [B8564052] p 16 N86-10774 Studies on human vehicle control [B8563351] p 19 N86-10775 Car driving as a supervisory control task [B8563351] p 19 N86-10776 Standardization of tasks: Approach planning [IZF-1984-19] p 20 N86-10782	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32096 Artificial intelligence and the Rule Oriented System Simulation (ROSS) language p 427 N86-32097 Auditory versus visual selective-attention tasks	sports diver-students
MEXICO  Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach Variability analysis of visually induced responses in the midst of noise [B8564052] Studies on human vehicle control [B8563351] Standardization of tasks: Approach planning [IZF-1984-19] Patherror-neglection in straight lane driving	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report  p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making p 427 N86-32097 Auditory versus visual selective-attention tasks [IZF-1985-19] p 427 N86-32097 Auditory versus visual selective-attention tasks	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe p 274 A86-36766 East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894 Tritium ingestion in rats p 58 N86-15895 The absorption of benzene through human skin p 127 N86-19894 Meteorotropic determinants of road collisions and accidents p 165 N86-21022 Application of meteorological and solar data in health resort climatherapy  R  ROMANIA (RUMANIA) Hypokinezia and space flight reflected on rats stomach  S  SPAIN Explaining the unexplained dysbaric sport diving
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-2825 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach p 296 A86-38140 Variability analysis of visually induced responses in the midst of noise [B8564052] p 16 N86-10774 Studies on human vehicle control [88563352] p 19 N86-10775 Car driving as a supervisory control task [B8563351] Standardization of tasks: Approach planning [IZF-1984-19] p 20 N86-10782 Path error-neglection in straight lane driving	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-68-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making p 427 N86-32096 Artificial intelligence and the Rule Oriented System Simulation (ROSS) language p 427 N86-32097 Auditory versus visual selective-attention tasks [IZF-1985-19] p 427 N86-32100 Control theoretic analysis of human operator mediated rendezvous and docking [NLR-MP-85020-U] p 435 N86-32106	sports diver-students Alternatives to standard air tables  P 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002]  P 255 N86-25112  P Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031] Advances in radiobiological research: Hypoxic irradiation effects P 57 N86-15893 The absorption of benzene through human skin [AD-A161157] P 127 N86-19894 Meteorotropic determinants of road collisions and accidents Application of meteorological and solar data in health resort climatherapy  R ROMANIA (RUMANIA) Hypokinezia and space flight reflected on rats stomach  S SPAIN Explaining the unexplained dysbaric sport diving accidents P 123 N86-19864
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach Variability analysis of visually induced responses in the midst of noise [B8564052] p 16 N86-10774 Studies on human vehicle control [B8563352] p 19 N86-10775 Car driving as a supervisory control task [B8563351] p 19 N86-10776 Standardization of tasks: Approach planning [IZF-1984-19] p 20 N86-10782 Path error-neglection in straight lane driving [IZF-1984-32] P 20 N86-10783 The wearing comfort of the PVC: Combat back pack	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making p 427 N86-32095 Artificial intelligence and the Rule Oriented System Simulation (ROSS) language p 427 N86-32097 Auditory versus visual selective-attention tasks [IZF-1985-19] p 427 N86-32100 Control theoretic analysis of human operator mediated rendezvous and docking [NLR-MP-85020-U] p 435 N86-32106 Control loops with human operators in space operations.	sports diver-students
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach Variability analysis of visually induced responses in the midst of noise [B8564052] Studies on human vehicle control [B8663351] p 19 N86-10774 Standardization of tasks: Approach planning [IZF-1984-19] Path error-neglection in straight lane driving [IZF-1984-32] The wearing comfort of the PVC: Combat back pack	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report  p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making  p 427 N86-32095 Artificial intelligence and the Rule Oriented System Simulation (ROSS) language p 427 N86-32097 Auditory versus visual selective-attention tasks [IZF-1985-19] p 427 N86-32100 Control theoretic analysis of human operator mediated rendezvous and docking [NLR-MP-85020-U] p 435 N86-32106 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031] p 57 N86-15893 Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15894 Tritium ingestion in rats p 58 N86-15895 The absorption of benzene through human skin [AD-A161157] p 127 N86-19894 Meteorotropic determinants of road collisions and accidents p 165 N86-21022 Application of meteorological and resort climatherapy p 165 N86-21022 Application of meteorological and resort climatherapy p 170 N86-21067  R  ROMANIA (RUMANIA) Hypokinezia and space flight reflected on rats stomach p 200 A86-30442  S  SPAIN Explaining the unexplained dysbaric sport diving accidents p 123 N86-19864 Less bubble formation in women divers p 126 N86-19883
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach p 296 A86-38140 Variability analysis of visually induced responses in the midst of noise [B8564052] p 16 N86-10774 Studies on human vehicle control [B8563352] p 19 N86-10775 Car driving as a supervisory control task [B8663351] p 19 N86-10776 Standardization of tasks: Approach planning [IZF-1984-19] p 20 N86-10783 The wearing comfort of the PVC: Combat back pack [IZF-1984-34] Study on design techniques for robots (space	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making p 427 N86-32095 Artificial intelligence and the Rule Oriented System Simulation (ROSS) language p 427 N86-32097 Auditory versus visual selective-attention tasks [IZF-1985-19] p 427 N86-32100 Control theoretic analysis of human operator mediated rendezvous and docking [NLR-MP-85020-U] p 435 N86-32106 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques	sports diver-students Alternatives to standard air tables  p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002]  p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031] Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15893 Tritium ingestion in rats p 58 N86-15895 The absorption of benzene through human skin [AD-A161157] Meteorotropic determinants of road collisions and accidents Application of meteorological and solar data in health resort climatherapy  R  ROMANIA (RUMANIA) Hypokinezia and space flight reflected on rats stomach  S  SPAIN Explaining the unexplained dysbaric sport diving accidents Less bubble formation in women divers p 126 N86-19883  SWEDEN
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach p 296 A86-38142 Variability analysis of visually induced responses in the midst of noise [B8564052] p 16 N86-10774 Studies on human vehicle control [B8563351] p 19 N86-10775 Car driving as a supervisory control task [B8563352] p 19 N86-10776 Standardization of tasks: Approach planning [IZF-1984-19] p 20 N86-10782 Path error-neglection in straight lane driving [IZF-1984-32] p 20 N86-10783 The wearing comfort of the PVC: Combat back pack [IZF-1984-32] Sudy on design techniques for robots (space applications). Volume 1, part A: Technical results	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making p 427 N86-32095 Artificial intelligence and the Rule Oriented System Simulation (ROSS) language p 427 N86-32097 Auditory versus visual selective-attention tasks [IZF-1985-19] p 427 N86-32100 Control theoretic analysis of human operator mediated rendezvous and docking [NLR-MP-85020-U] p 435 N86-32106 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques [NLR-TR-84116-L-PT-1] p 435 N86-32107	sports diver-students
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach Variability analysis of visually induced responses in the midst of noise [B8564052] Studies on human vehicle control [B8663351] P 19 N86-10774 Standardization of tasks: Approach planning [IZF-1984-32] Path error-neglection in straight lane driving [IZF-1984-32] The wearing comfort of the PVC: Combat back pack [IZF-1984-34] Study on design techniques for robots (space applications). Volume 1, part A: Technical results	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report  p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making p 427 N86-32095 Artificial intelligence and the Rule Oriented System Simulation (ROSS) language p 427 N86-32097 Auditory versus visual selective-attention tasks [IZF-1985-19] p 427 N86-32100 Control theoretic analysis of human operator mediated rendezvous and docking [NLR-MP-85020-U] p 435 N86-32106 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques [NLR-TR-84116-L-PT-1] p 435 N86-32107 Control loops with human operators in space operations.	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention  Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach p 296 A86-38140 Variability analysis of visually induced responses in the midst of noise [B8564052] p 16 N86-10774 Studies on human vehicle control [B8563352] p 19 N86-10775 Car driving as a supervisory control task [B8663352] p 19 N86-10776 Standardization of tasks: Approach planning [IZF-1984-19] p 20 N86-10782 Path error-neglection in straight lane driving [IZF-1984-32] The wearing comfort of the PVC: Combat back pack [IZF-1984-32] The wearing comfort of the PVC: Combat back pack [IZF-1984-34] p 20 N86-10789 Study on design techniques for robots (space applications). Volume 1, part A: Technical results [FOK-TR-R-84-110-VOL-1-PT-A] p 46 N86-13902 Study on design techniques for robots (space	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making p 427 N86-32096 Artificial intelligence and the Rule Oriented System Simulation (ROSS) language p 427 N86-32097 Auditory versus visual selective-attention tasks [IZF-1985-19] p 427 N86-32100 Control theoretic analysis of human operator mediated rendezvous and docking [NLR-MP-85020-U] p 435 N86-32106 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques [NLR-TR-84116-L-PT-1] p 435 N86-32107 Control loops with human operators in space operations. Part 3: Rendezvous and docking operations and model	sports diver-students Alternatives to standard air tables  P 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002]  P 255 N86-25112  P POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe East Europe report: Science and technology [JPRS-ESA-85-031] Advances in radiobiological research: Hypoxic irradiation effects p 57 N86-15893 Tritium ingestion in rats p 58 N86-15895 The absorption of benzene through human skin [AD-A161157] Meteorotropic determinants of road collisions and accidents p 127 N86-19894 Meteorotropic determinants of road collisions and p 165 N86-21022 Application of meteorological and solar data in health resort climatherapy  R ROMANIA (RUMANIA) Hypokinezia and space flight reflected on rats stomach  S SPAIN Explaining the unexplained dysbaric sport diving accidents Less bubble formation in women divers p 126 N86-19883 SWEDEN A multivariate study of the relationship between the genetic code and the physical-chemical properties of amino acids p 104 A86-23997
MEXICO Radiation chemistry of an aqueous solution of glycine Compounds of interest to chemical evolution studies p 23 A86-12003 Radiation chemistry of a multicomponent aqueous system relevant to chemistry of cometary nuclei p 77 A86-17740  N  NETHERLANDS Design techniques for robots - Space applications p 183 A86-28074 European Annual Conference on Human Decision Making and Manual Control, 4th, Zeist, Netherlands, May 28-30, 1984, Proceedings p 183 A86-28285 The role of the flight psychologist in the RNLAF in A/C accident investigation and prevention p 233 A86-29926 Infrared spectral identification of complex organic molecules in interstellar grains p 296 A86-38140 Panspermia - A modern astrophysical and biological approach Variability analysis of visually induced responses in the midst of noise [B8564052] Studies on human vehicle control [B8663351] P 19 N86-10774 Standardization of tasks: Approach planning [IZF-1984-32] Path error-neglection in straight lane driving [IZF-1984-32] The wearing comfort of the PVC: Combat back pack [IZF-1984-34] Study on design techniques for robots (space applications). Volume 1, part A: Technical results	performance [VK-83-05] p 290 N86-26827 Flurazepam HCL's residual (hangover) effects upon actual driving performance [VK-83-02] p 291 N86-26834 A model and experimental analysis of pilot decision making behavior for various automatic approach conditions [NLR-TR-84037-U] p 292 N86-26835 Systematic radiographic examination of the spine for selection of F-16 pilots: A preliminary report  p 401 N86-30323 Activities report in perception research [IPO-19-1984] p 405 N86-30335 Cognitive aspects of command and control [IZF-1986-2] p 405 N86-30336 Attention tasks and their relation to aging and flight experience [IZF-1986-4] p 405 N86-30337 Activities report on physical and psychological health of flying personnel [ETN-86-97385] p 423 N86-32093 Activities report on physical and psychological health of flying personnel [ETN-86-97386] p 423 N86-32094 Use of artificial intelligence and psychology in the analysis of command and control [STC-TM-749] p 427 N86-32095 The psychology of decision making p 427 N86-32095 Artificial intelligence and the Rule Oriented System Simulation (ROSS) language p 427 N86-32097 Auditory versus visual selective-attention tasks [IZF-1985-19] p 427 N86-32100 Control theoretic analysis of human operator mediated rendezvous and docking [NLR-MP-85020-U] p 435 N86-32106 Control loops with human operators in space operations. Part 1: Human engineering analysis, synthesis and evaluation techniques [NLR-TR-84116-L-PT-1] p 435 N86-32107 Control loops with human operators in space operations.	sports diver-students p 124 N86-19875 Alternatives to standard air tables p 125 N86-19880 Chemically induced damage to the hippocampal formation [NDRE/PUBL-86/1002] p 255 N86-25112  P  POLAND Cosmological and anthropic principles, cosmic and planetary events, and the existence of life in the universe

[NLH-1H-84116-L-P1-1] p 435 N86-32108

Control loops with human operators in space operations.
Part 3: Rendezvous and docking operations and model analysis of performance with human-in-the-loop
[NLH-TR-84116-L-PT-3] p 435 N86-32108

Epinephrine-induced changes in muscle carbohydrate metabolism during exercise in male subjects p 280 A86-39092 Biological effects of millimeter waves on the mouse [FOA-C-50023-H1] p 83 N86-16879 Operator environment in the nineties [FOA-A-50002-H21 p 99 N86-16905 Psychological problems associated with the wearing of respiratory protective devices: A review [FOA-C-40216-C2] p 101 N86-17995 The Eleventh Annual Meeting of the European Undersea Biomedical Society (EUBS) on Diving and Hyperbaric [FOA-C-50021-H11 D 121 NRS-19854 The effects of the insulation properties of different dry suit systems on the diver's heat balance and comfort during diving to 50 m p 121 N86-19856 Lung volumes and dynamic compliance during immersion and oxygen breathing p 122 N86-19860 Lung rupture as a complication in free escape p 122 N86-19862 An attempt to counteract nitrogen narcosis by naloxone p 123 N86-19865 Elevations of plasma endotoxin levels and lysosoma enzyme activities in divers during a simulated chamber to 300 msw p 123 N86-19866 Oral changes in divers working with electrical equipment under water p 124 N86-19873 Report from a behavioral science study grip to Australia, 23 Aug. - 10 Sep. 1985 [FOA-C-50027-H3] p 235 N86-23280 Method for the determination of respiratory work in protective masks [FOA-C-40213-C2] p.380 N86-29500 Rapid measurement of individual stress reaction leve Development of the Emotional Reaction Questionnaire (ESRO) FOA-C-50034-H31 p 383 N86-29506 Anthropometry research program [FOA-C-50032-H2] p 386 N86-29511 Assisted positive pressure breathing and modified anti-acceleration suit filling tested up to 9 G in a human centrifuge, Karolinska Institute [FOA-C-50038-H1] p 408 N86-30341 SWITZERLAND Human pilot parameter identification for a simulated air-to-ground target acquisition task p 18 A86-10157 Vestibular and visual control on posture and locomotor equilibrium p 183 A86-27671 Gravity sensing in animal cells p 192 A86-30389 Physiological profile of world-class high-altitude imbers p 281 A86-39098

### T

Weather sensitivity as discomfort

G-induced loss of consciousness - Combat aircraft pilots

p 396 A86-44814

p 165 N86-21025

#### TAIWAN

head for trouble

studies on the Further application of the compartmentalization/airlock concept to aircraft and p 53 A86-18842 Bacterial inactivation by means of ionizing radiation [DE86-901038] p 412 N86-30348 TURKEY

A survey of aseptic bone negrosis in Turkish sponge ivers, interim report p 124 N86-19871 divers, interim report

#### U

#### U.S.S.R.

Thermovisual indicators of brain reactions to visual stimuli p 9 A86-10695

Neuronal reactions and evoked potentials in the subcortical brain structures in the process of visual recognition. I - Formulation of the problem and basic methods for its solution p 9 A86-10696

Prestimulus EEG and evoked potentials in man during the recognition of a meaningful light stimulus

р9 A86-10697 Characteristics of external respiration in inhabitants of the northeastern USSR p 9 A86-10698 Indicators of external respiration in young athletes during

adaptation to high environmental temperature p 9 A86-10699

The effect of 24-hr sleep deprivation on the metabolism of biogenic amines p 9 A86-10700

Adaptation of the human organism to the repeated short-term exposures to a hot environment

p 10 A86-10701 A study of functional asymmetry of paired organs in aircraft personnel p 10 A86-10750

A differential evaluation of the mechanism of the effect of noise on the ear in relation to noise frequency characteristics (Clinical and experimental study)

p 10 A86-11750 Preliminary medical results of the 5-month flight onboard

Salvut-7-Sovuz-T [IAF PAPER 84-184] p 10 A86-12362 Periodisation and classification of adaptive reactions of

man in prolonged space flights [IAF PAPER 84-185] p 10 A86-12363

Water excretion and natriuretic function in the kidneys of rats adapted to cold p 3 A86-12520 Catecholamine content of single brain nuclei in August

rats following immobilization stress p 3 A86-12521 Changes in the vascular functions of skeletal muscles due to acute hypothermia p 3 A86-12522

Prediction of the functional state of the body during adaptation to high altitudes p 31 A86-13298 Determination of vestibular asymmetry with application

to aviation medicine p 31 A86-13299 The use of reflex therapy in the prophylaxis and

treatment of motion sickness p 31 A86-13300 A handbook of radiation dosimetry and hygiene

p 25 A86-13457 p 25 A86-13460 The environment and the heart Extremely thermophilic bacteria living at temperatures above 100 C p 25 A86-13648

The oldest traces of life (according to papers presented at the 27th session of the International Geological Congress) p 47 A86-13974 Proteins and RNA in the neuron-neuroglia system of n. raphe dorsalis neurons of the ground squirrel brain during p 26 A86-14593 Heat sensitivity of the medial preoptic region of the hypothalamus during seasonal adaptation and

acclimatization to high ambient temperature

p 26 A86-14594 Neck and oculomotor reflexes induced by electrical stimulation of the semicircular canal ampullae in the p 26 A86-14595 Unsteady blood flow in humans under artificial

p 33 A86-15443 p 27 A86-15444 conditions Radiation-sickness mechanisms

Visual-contrast measurement . Measurement of the spatial transfer functions of the visual system

p 27 A86-15467 Molecular mechanisms of cell death induced by radiation p 27 A86-15474 Electroencephalograms and the read-out of information

in the visual cortex during image recognition p 33 A86-15512 Blood circulation changes in the carotid arteries pool

caused by antiorthostasis and antiorthostatic p 27 A86-15513 Hemodynamics during short-term application of lower body negative pressure

ody negative pressure p 33 A86-15514
Typological analysis of central and peripheral hemodynamics during orthostasis in normal subjects and in patients with arterial hypertonia p 33 A86-15515 patients with arterial hypertonia p 33 A86-15515 Types of work capacity and the frequency of the

development of ischemic heart disease and hypertonic p 34 A86-15516 Biophysical basis of the two-component analysis of biosignals of the pulsed filling of the blood vessels

p 34 A86-15517 Comparison between the antihypoxic effectiveness of drugs and pressure-chamber training p 34 A86-15518 Leukocytic reactions caused by emotional stress

p 34 A86-15519 Comparative analysis of corticosteroid and catecholamine levels excreted in urine of persons with p 34 A86-15520 different occupations

Neurochemical basis of chemical thermoregulation and tificial hypobiosis p 27 A86-15521 artificial hypobiosis Prediction of human physical work capacity in gh-temperature environments p 34 A86-15522

high-temperature environments Use of a linguistic test in the course of large-scale physiological selection of men for work in an adverse p 35 A86-15523

The effect of high spatial frequencies on visual recognition processes p 41 A86-15524 Neurochemical mechanisms of artificial hypobiosis and

chemical thermoregulation nemical thermoregulation p 27 A86-15525 Artificial closed ecosystem 'man-plants' with a full regeneration of atmosphere, water and ration vegetable

[IAF PAPER 85-308] p 45 A86-15820

The effect of kallikrein on the development of a gener adaptation syndrome p 49 A86-16751
The effect of auricular electric stimulation on myelopeptide production and early reactions of blood aptation syndrome

systems cell populations in the presence of immobilization p 49 A86-16752 Hypoxic and hypercapnic sensitivity as a reflection of

individual human reactivity

Some results of a study of the bioenergetics of rat muscle in weightlessness geroprotective activity 2.6-dimethyl of 3,5-diethoxycarbonyl 1,4-dihydropyridine

p 49 A86-16783 Modern concepts regarding some nontraditional neuroendocrine mechanisms of stress

p 49 A86-16800 System developed for psychological selection of AT controllers p 69 A86-17062 p 50 A86-17467 Brain asymmetry in animals Changes in the morphofunctional and cytochemical indices of blood leukocytes after exposure to low-intensity

microwave radiation p.52 A86-18150 Responses of cat red-nucleus neurons to auditory signals p 52 A86-18181 Systems of efficient man-computer interaction

p 74 A86-18730 Muscle vibrations and man-machine system dynamics

p 74 A86-18731 Visual perception and memory: Information processes and neuron mechanisms p 52 A86-18744 and neuron mechanisms

The effect of a weak variable ultralow-frequency magnetic field on the development of hypercoagulation syndrome in rats caused by restricted mobility

p 79 A86-19300 Changes in immunoreactivity during adaptation to p 80 A86-21451 intervals of hypoxic hypoxia Mechanical resistance of erythrocytes and oxygen mass transport in hypoxic states due to different conditions

p 88 A86-21452 The diaphoretic reflex in a complex of methods for estimating operator efficiency p 88 A86-21453

Changes in the hemostatis system of the animal organism due to granulocytopoiesis inhibition under p 80 A86-21454

reduced barometric pressure p 80 A86-21454
The distinctive features of the energetic metabolism, glycolysis, and tissue respiration of the myocardium in rats having high and low resistance to hypoxia

n 80 A86-21455 Experimental validation of training regime and a monitoring method connected with accelerated adaptation p.88 A86-22524 Investigation of the functional condition of pilots in the case of oxygen breathing under excess pressure

p 88 A86-22525 Individual and typological functional properties of the sympathoadrenal system as a prognostic index of the functional state of an organism in complex environmental conditions p 88 A86-22532

Disturbance of the multiperiodic synchronization of the heart-beat and respiratory rhythms after transmeridian flights through three time zones ghts through three time zones p 88 A86-22533 The risk of arterial hypertension and the features of

functional brain asymmetry in workers employed in regularly repeated expedition-type work

p 88 A86-22534 Changes in the heart rate and in the cerebral vascular tonus affected by alternating physical and mental loads p 89 A86-22535

The effect of prolonged physical work at the levels of submaximal and extreme intensity upon the mass transfer and utilization of oxygen p 89 A86-22536 Heat adaptation during training ing by graded p 89 A86-22538 hyperthermia

The dynamics of the human estimation of image size and its neurophysiological correlates p 89 A86-22539 Cytochemical studies of blood lymphocytes in the

diagnosis and forecasting of changes in the functional status of athletes p 89 A86-22540 Thermoregulation in man under thermal stress

D 89 A86-22541 Correlation between the arterial blood pressure, the

pulmonary artery pressure, and central venous pressure p 90 A86-22542 Changes in the blood electric conductivity caused by

body immersion p 90 A86-22543 Thermoregulatory reactions to chilling in ice-cold water in fans of winter swimming p 90 A86-22544
The dependence of thromboelastographic indices in

healthy subjects on geomagnetic-field conditions

p 90 A86-22545 The effect of enkephalins on metabolic parameters of rats in the presence of acute experimental blood loss

p 81 A86-22546 Microcirculatory changes in rats with burn shock following adaptation to high-altitude hypoxia

p 81 A86-22547 Increased resistance of the brain to hypoxia due to a combination of lithium hydroxybutyrate p 81 A86-22548

The electrokinetic properties of cell nuclei in the human buccal epithelium in conditions of motion sickness and hypoxia p 90 A86-22549

Calculation method for determining energy expenditures for operators p 90 A86-22567

Possible effect of hyperlipemia on the development and course of atherosclerosis in flight personnel p.90 A86-22568 Hematological criteria of the heat adaptation of p 90 A86-22569 seamen Resistance, exchange and capacitance functions of skeletal muscle vessels in the presence of acute hypoxic hypoxia p 81 A86-22593 Changes in the function of skeletal muscle vessels due to the cardiogenic depressor reflex p 81 A86-22594 The effect of short term hypoxia on body temperature and lactic acid in blood p.81 A86-22595 Morphological changes in some internal organs of quinea pigs due to the effect of a constant electromagnetic p 103 A86-23490 Mechanism of noradrenaline effect on p 103 A86-23491 thermoreceptors Effect of hyperoxic gas mixtures on oxygen mass transfer through the hematoparenchymatous barrie p 103 A86-23492 Interaction of the thermoreceptor and vestibular signals in the regulation of the activity of flexor and extensor nuclei during cold tremors p 103 A86-23493 Medical control of the aircrew during a retraining p 110 A86-23494 Methods of regulating the adaptation and resistance processes in navy personnel Mathematical models of the effect of gravitation on lung p 111 A86-24135 Metabolic aspects of the problem of stress in space

lonizing radiation and blood vessels p 105 A86-24144
Neurons as detectors of errors in the subcortical structures of the human brain How does skeletal muscle effectively function both in case of posture maintenance and movements? p 105 A86-24308 Antistress effect of 1-chlormethylsilitrane

p 105 A86-24136

p 105 A86-24309 The tryptophanyl-tRNA synthetases from eurocaryotes, procaryotes, and archebacteria have a common antigenic determinant p 105 A86-24323 Hypnogenic activity of a cyclic structural analog of

p 105 delta-sleep-inducing peptide A86-24368 Postradiation disorders of peripheral-nerve regeneration and the role of free-radical oxidation products in the appearance of these disorders p 105 A86-24422

Mechanism of circulatory disorders in animals subjected to high-dose irradiation p 106 A86-24423 Evaluation of radiation-induced damage in the erythrocyte membranes of rats and dogs according to

changes in the erythrocyte sedimentation behavior

p 106 A86-24424 Effect of nonionizing microwave radiation on the autoimmune reactions and antigenic structure of serum proteins p 106 A86-24425 Modeling perception and decision-making p 183 A86-27094

Effect of cosmoheliogeophysical factors on bacterial agglutionation in vitro p 155 A86-27473 Interaction between the otolithic organ and the semicircular canals of the vestibular apparatus in the system of spatial angular stabilization in humans

p 161 A86-27474 Effect of low-power millimeter-range monochromatic

electromagnetic radiation on biological processes

p 155 A86-27475 A model for the formation of the structure of the external p 183 A86-27500 electric field of humans Effect of weightlessness on the development of

neurosecretory structures hypothalamo-hypophyseal system of the rat brain (Electron-microscope study) p 157 A86-29174 Electrical activity of cerebellum in the wakefulness-sleep

p 157 A86-29255 Calmodulin, a second messenger History of investigation and physiological importance

p 157 A86-29256 Mechanisms of calcium permeability changes in the sarcolemma of vascular smooth-muscle cells during hypoxia p 157 A86-29257 hypoxia

The influence of the initial value of a parameter on its change under the action of external factors p 157 A86-29275

The state of man's organism under conditions of elevated atmospheric carbon dioxide

p 163 A86-29306 Comparative analysis of hypo - and hyper-gravity effects on prenatal development of mammals

p 191 A86-30377 Cardiorespiratory responses to lower body negative pressure and tilt tests after exposure to simulated weiahtlessness p 215 A86-30387 The effects of real and simulated microgravity on vestibulo-oculomotor interaction p 193 A86-30390

Thermoencenhaloscopy n 206 A86-30802 Complex approach to the study of adaptive systemic reactions and functional states in man. I - The time in the formation of subcomplexes of systemic physiological indexes of functional state dynamics, p 216 A86-30893 instrumentation used in the study Neuronal responses and the evoked potentials in recognition. Il - The effect of stimuli relevance

subcortical structures of the human brain during visual evoked neuronal responses p 216 A86-30894 The effect of intense mental work under stress on cardiac

activity, hemodynamics, and brain circulation p 216 A86-30895

The role of hormonal changes in the deve motion sickness in man p 216 A86-30896 Hypobiosis and functional resistance to cold

p 206 A86-30897 The alleviating effect of arbitrary movements on the vestibulomotor p 216 A86-30898 Dynamics of the salivary electrolyte composition and enal excretory function during human adaptation to an p 216 A86-30899 altered gaseous environment Problems in medical biorhythmology

p 206 A86-31371 Mechanisms of the radiation protection effect and indication of the efficiency of radioprotectors

p 207 A86-31375 The methodology and techniques used in analyses of operator activity p 234 A86-32523 Activation of cholesterogenesis under the effect of ionizing radiation on a living body p 207 A86-32697 Investigation of mechanisms of the radioprotective effect of agonists of catecholamine receptors - Involvement of subtypes of alpha-adrenoreceptors the radioprotective effect p 208 A86-32698 Studies of radioprotective properties of adeturon and polyanion, applied separately and in combination

p 208 A86-32699 Role of dopaminergic systems of neostriatum during the the central nervous system in man and animals p 208 A86-33070 Corticoreticular interactions in the mechanisms of reflexotherapy p 208 A86-33071

The theoretical principles of adaptation p 208 A86-33072 Blood transport of oxygen (The role of erythrocytes)

p 208 A86-33073 Analysis of the functional structure of thermogenesis on the basis of pharmacological tests

p 208 A86-33074 Electronic displays D 241 A86-33322 Information display complexes D 241 A86-33324 A search for interstellar glycine p 274 A86-33668 Simulation of thermal polycondensation processes of amino acids during the migration of their aqueous solutions in the earth's lithosphere p 274 A86-34489 Synchronization of heart contractions and respiration during thermoregulatory polypnea in dogs

p 245 A86-34490 Prospects for using millimeter-band electromagnetic radiation as an efficient way of obtaining information on specific processes in living organisms

p 246 A86-35088 Antioxidants as antiarrhythmic remedies

p 246 A86-35938 Changes in the contractile and electrical activities of the rat myocardium under the effect of verapamil under insufficient oxygenation p 246 A86-35939

Impulse activity of the brain stem neurons related to the cardiac and respiratory rhythms p 246 A86-35940 Gamma-aminobutyric acid and bulbar mechanisms of hemodynamic regulation p 246 A86-35941

The effect of electromagnetic radiation in the decimeter wavelength range on the neuronal calcium current in p 247 A86-36494 mollusks A study of the effect of ultrasound on the antigenic

activity of human erythrocytes p 254 A86-36495 A model of the system controlling involuntary eye p 247 A86-36496

The rhythms of paramagnetic-center concentration in mouse liver and a mathematical model of synchronized autooscillations p 247 A86-36497

The effect of external factors on the reactions modeling biological processes (Piccardi test) p 247 A86-36498 Hygienic assessment of the electromagnetic radiation levels generated by radar installations

p 271 A86-36499 Controlling of pilot work capacity by psychosomatic self-regulation techniques p 265 Heart and respiration rates during a mental task

performed with varying degrees of success p 254 A86-36526

An informational assessment of changes in the physiological characteristics of an operator under different work regimens p 271 A86-36527

The mechanisms of muscle activity regulation in humans depending on biorhythm type p 254 A86-36528 Seasonal dynamics of circadian rhythms of oxygen consumption and heat production in youths in Siberian

conditions p 254 A86-36529 The dynamics of systemic functional organization during adaptation to work in extreme environments

p 254 A86-36530 Evaluating the functional status of operators using indices of mental work capacity p 254 A86-36531 Substantiation of physiological criteria for assessing the

functional status of the human body in high-temperature p 255 A86-36532 Manganese metabolism in healthy humans during

different times of the year p 255 A86-36533 Dynamics of the ultraslow bioelectric brain activity during the performance of certain parts of operational activity

p 255 A86-36534 Human adaptation to antagonistic environmental p 255 A86-36535 factors

Method for the quantitative determination of the parasympathetic regulation of cardiac activity in operators working in sealed chambers

p 271 A86-36536 p 271 A86-36695 Visual-search efficiency Designing the conditions of life and work of cosmonauts p 290 A86-38984 p 293 A86-38988 (2nd revised and enlarged edition)

Cosmonaut training Cyclic adenosine-3',5'-monophosphate and cyclic quanosine-3'.5'-monophosphate in the blood plasma of mice injected with chemicals of different radioprotective efficiency p 276 A86-39718

Changes in the carbohydrate energy metabolism in the rat brain under laser radiation p 276 A86-39719 An anaerobic shift in energy metabolism in the mouse

brain during recovery from acute radiation sickness p 276 A86-39720 The mechanisms of the effect of nonionizing radiation on an organism's sensory systems p 276 A86-39721

The effect of radiation on the concentration and metabolism of dopamine in the rat brain p 276 A86-39722

Circulation and oxygen tension in the brain of wakeful rabbits in conditions leading to motion sickness

p 373 A86-43422 Hemodynamic correlates of immobilization stress in p 373 A86-43423

Development of responses to noradrenalin injection in control and cold-adapted rats p 373 A86-43424 Phases of muscular thermogenesis under experimental p 373 A86-43425 hyperthyrosis

Digestive system rhythms and the body's biological clock p 391 A86-43676 The role of gravity in producing digestive system p 391 A86-43677

The photobiological aspects of radiation damage p 392 A86-44295 Theoretical principles underlying the evaluation, control,

and correction of the impact of emotions on cosmonaut p 403 A86-44601

Experimental estimate of the parameters of a stochastic model of a human operator sensor system p 407 A86-45117

The effects of cerebral hypoxia and hyperventilatory hypocapnia on the epileptiform activity in the cerebral cortex of cats p 392 A86-45318

The suppressive effect of carbon dioxide on the activation of cold receptors in the nasal cavity of cats

p 392 A86-45319 Correlations between the levels of cerebral blood flow and cerebrovascular reactivity and the functional state of brain tissue p 392 A86-45320

an ussue
Changes in pericardial microcirculation in dogs during daptation to static muscle loads p 392 A86-45321 adaptation to static muscle loads

The contractile function and the energy metabolism of the myocardium under emotional stress and during adaptation of animals to short stress effects

p 392 A86-45322 The effect of hypoxia on the dynamics of the peripheral p 393 A86-45323 lymph flow The content of lactic acid in the blood and erythropoiesis

during hypoxia The effect of high temperature on the heat exchange and the nutritional status of pilots p 397 A86-45325

Radiofrequencies and microwaves - Radiation safety of the operator p 397 A86-46270 The effect of noradrenaline on oxidation metabolism in

cold-adapted golden hamsters p 413 A86-49155 Spectral-correlation characteristics of EEG in the course of short-term memory tests. I - A study of spectral-correlation parameters of the potentials in the human neocortex during correct short-term memorizing

p 419 A86-49263 Spatial organization of components of the visual evoked potentials and the sensorimotor reaction efficiency

p 419 A86-49264

The use of cardiac-rhythm statistical characteristics in evaluating mental work capacity p 420 A86-49265 Possibility of optimizing respiratory activity by means of biocontrol p 420 A86-49266 Changes in immunity under stress p 420 A86-49267 quick method for evaluating operators' capacity p 420 A86-49268 Seasonal and circadian rhythms in androgen excretion in the extremely continental climate of Trans-Baikal and the BAM region among groups of local nonnative population p 420 A86-49269 The use of a constitutional approach in the evaluation of health status p 420 A86-49270 Functional state of the pancreas under conditions of prolonged bed rest p 421 A86-49271 The frequency of sister chromatid exchanges in blood cells under prolonged hypokinesia A86-49272 p 421 EEG correlates in the process of forming driving skills p 421 A86-49273 Dynamics of the cupula in the semicircular canal of the estibular analyzer p 421 A86-49339 Proton transfer in bacteriorhodopsin p 413 A86-49345 Proton ejection from bacteriorhodopsin p 413 A86-49346 Proton injection into bacteriorhodopsin p 414 A86-49347 The retinal cycle in bacteriorhodopsin p 414 A86-49348 The mechanism of the adaptogenic effect of tocopherol in prolonged cold exposure p 414 A86-49367 Changes in the blood coagulation system of rabbits under conditions of acute hypoxia and some methods of its correction p 414 A86-49368 Ergometric examination of the cardiovascular system in flight personnel p 421 A86-49370 The effect of centedrin on the work capacity p 426 A86-49371 Effects of hypodynamia and neuroemotional stress on the performance of circulatory and respiratory system during muscular work P 422 A86-49919 Correlational rhythmography applied to persons of different age under functional loads p 422 A86-49920 The activity of cholinesterase and norepinephrine after laser irradiation of acupuncture points D 414 A86-49921 On the interrelationship between different ranges of bioelectric activity of the human brain D 422 A86-49975 USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-85-023] p 4 N86-10738 during Hemodynamics gravitational overioads (mathematical modeling) p 12 N86-10739 Study of hypokinesia and acceleration effects on human chromosomes p 12 N86-10740 Romanian plant produces protein concentrate from paraffin-nourished yeasts Biotechnology: Science and practice p 4 N86-10741 p 4 N86-10742 Dynamics of changes of statistical indicators of heart rhythm of persons with different degree of motion sickness p 12 N86-10743 Effect of single actions of weak electromagnetic fields of ultralow frequency on indices of endocrine system P 12 N86-10744 Effect of emotional stress on hemostasis system of healthy persons D 19 N86-10745 Assessment of state of chronotropic and inotropic heart function at different degrees of physical fitness p 12 N86-10746 Capacity for work and hemodynamics in males residing at middle and high latitudes D 13 N86-10747 Individual typological features of autonomic reactions during autogenic training in polar expedition members in period of wintering in Antarctica P 13 N86-10748 Effect of inclusion of supplementary ascorbic acid in daily diet on degree of vitamin saturation of body and thermoresistance of erythrocytes while working in arid zone p 13 N86-10749 Effect of various doses of some vitamins on non-spec mechanisms of adaptation of man P 13 N86-10750 Adaptation of man to extreme conditions of Antarctica D 13 N86-10751 Individual typological self-regulation of cardio-vascular system p 13 N86-10752 Conditioning potentialities of respiratory apparatus p 14 N86-10753 Short term heat effect on adreno- and cholino-sensitivity of rat's small intestine p 4 N86-10754
Classification of changes in electrocardiogram during

muscular exertion of healthy individuals

Eye-movement activity as index of functional state of

p 14 N86-10755

p 14 N86-10756

Mechanism of adaptogenic action eleuterococcus on man during heat stress p 14 N86-10757 Vestibular resistance and blood circulation changes in orthostatic position during hyperthermia p 14 N86-10758 Heat transfer mechanism in human extremities p 14 N86-10759 Reaction of rabbit respiration system to hypoxic stimulus in nitrogen-oxygen medium at elevated pressure p 5 N86-10760 Indices of blood oxygen transporting properties and erythropoiesis in rats after prolonged stav nitrogen-oxygen mixture at elevated pressure p 5 N86-10761 Homocarnosin in rat brain during adaptation to cold p 5 N86-10762 Efficiency of muscular work in white rats during adaptation to cold p 5 N86-10763 Intradiumial organization of wakefulness-sleep sequence and energy metabolism in rats exposed to low ambient temperature p 5 N86-10764 TV monitoring control system in electrophysiological p 14 N86-10765 Effect of cold on brain serotonin system and plasma corticosteroid level in different strains of mice p 5 N86-10766 Dynamics of general resistance of rats during readaptation period after training in altered environment p 6 N86-10767 Biological life-support systems for long-duration space p 47 N86-14160 Architect discusses space habitat designs p 47 Energy exchange of plants under weightlessness conditions p 30 N86-14162 USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-85-004] p 54 N86-14845 Radiosensitivity of animals irradiated in modified gas medium: Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation p 54 N86-14847 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 5, September - October 1985 [JPRS-USB-85-007] p 54 N86-14848 Hygenic aspects of regular diet of flight personnel p 60 N86-14849 Metabolic distinctions of human red blood during long-term spaceflights p 60 N86-14850 Human body biomechanics and movements after 120-day antiorthostatic hypokinesia p 60 N86-14851 Functional activity of human serotoninergic and histaminergic systems during long-term antiorthostatic hypokinesia p 60 N86-14852 Body position during hypokinesia, and fluid-electrolyte D 60 N86-14853 Microcirculation and cellular hemostasis in men with borderline arterial hypertension submitted neutral-temperature dry immersion in water p 61 N86-14854 Effect of positive pressure breathing on hemodynamics in patients with borderline hypertension submitted to water immersion p 61 N86-14855 Roentgenological and pathomorphological changes in heart of dogs submitted to hypokinesia for six months p 54 N86-14856 Changes in physical condition, vestibular function and bone system of rats submitted to long-term rotation p 54 N86-14857 Contractile properties of rat muscle fibers during long-term exposure to +2 Gx accelerations p 54 N86-14858 Hemodynamic parameters as related to different tolerance to head-pelvis accelerations p 61 N86-14859 Changes in physicochemical properties of contractile and regulatory proteins in different types of muscles during and after exposure to accelerations D 61 N86-14860 Cumulative effect of coriolis accelerations on coronary hemodynamics p 61 N86-14861 Nystagmus as related to utricular function p 61 N86-14862 Individual differences in maximum oxygen uptake egulation and level p 62 N86-14863 regulation and level Significance of vestibular recruitment and directional dominance of nystagmus in diagnostic tests p 62 N86-14864 Age-related changes in electroencephalograms of pilots D 62 N86-14867 Drugs and surfactants used to prevent caisson disease D 54 N86-14869 Effect of 24,25-dihydroxycholecalciferol on amino acid metabolism of hypokinetic rats p 55 N86-14869 Biocidal synthetic coatings based on high-molecular metaloorganic compounds p 55 N86-14870

Combined effects of stressors on the level of spinal reflex arc structures USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-85-024] p 64 N86-14885 Voice analyzer for evaluating pilot's condition p 64 N86-14886 Alcohol effects on brain p 64 N86-14887 USSR report: Space Biology and Aerospace Medicine. volume 19, no. 4, July - August 1985 [JPRS-USB-85-006] p 56 N86-15865 Problems of studying flight work in Soviet aviation medicine of the 1920's - 1930's p 65 N86-15866 Some aspects of determining human physical work capacity under hyperbaric conditions p 76 N86-15867 Investigation of factors determining pilot's geocentric orientation p 72 N86-15868 Effect of threat stress on psychomotor stability of pilots differing in anxiety level p 72 N86-15869 Use of flight simulators for demonstration of functional capacities of flight personnel p 72 N86-15870 Effect of level of physical activity on lipid metabolism of flight personnel p 65 N86-15871 Oxygenation and regional circulation in gingival mucosal tissues effect of head-to-pelvis (+Gz) p 65 N86-15872 under accelerations Investigation of some aspects of human amino acid metabolism during 120-day antiorthostatic hypokinesia p 65 Effect of 7-day immersion hypokinesia on characteristics of precision movements p 65 N86-15874 Effect of dry immersion model on parameters of fluid-electrolyte metabolism, blood plasma aldosterone and cortisol levels in individuals differing in body fluid p 65 N86-15875 Intensity of lipid peroxidation in hypokinetic rat tissues p 56 N86-15876 Effect of 24,25-dihydroxyvitamin D3 on osteogenetic precursor cells in immobilized rats p 56 N86-15877 Basic results of experiments with long-term rotation of rats as applied to the problem of artificial gravity p 56 N86-15878 Man's tolerance to fulminant form of hypoxic hypoxia p 66 N86-15879 Investigation of catecholamine metabolism at high p 66 N86-15880 Determination of increment of Bacillus subtilis biomass weightlessness p 57 N86-15881 Investigation of microflora of chufa, a potential higher plant component of biological life-support systems for p 57 N86-15882 Investigation of distinctions referable to growth, development and metabolism of Closteriopsis acicularis algae when cells are limited in nitrogen as related to biological life-support systems for man p 57 N86-15883 One aspect of crew training p 72 N86-15885 Method of calculating angular dimensions of flight vehicle cockpit canopy casings p 76 N86-15886 Informativeness signal in pulsed ultrasonography of the brain (with use of model) p 66 N86-15887 Investigation of possibility of using two-frequency impedometry for estimation of proportion of total and extracellular body fluids p 66 N86-15888 Automatic determination of cardiac output from rheogram of the trunk p 66 N86-15889 Functional state of the olfactory analyzer in a pressurized environment p 66 N86-15890 Gas chromatographic analysis of free fatty acids of skin surface lipide p 67 N86-15891 Investigation of mineral nutrition of a new form of microalgae to be used in biological life-support systems p 57 N86-15892 USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-85-025] p 83 N86-16881 Advances in nerve cell research p 91 N86-16882 Dynamics of peroxide oxidation of lipids during stress p 83 N86-16883 p 95 N86-16884 Peptides and memory Mitochondrial manifestations of stress and response to hormonal stimulation and hydroaeroions D 84 N86-16885 Cytogenetic changes in cells of lettuce seedlings with exposure to accelerated carbon ion beam p 84 N86-16886 USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-86-001] p 109 N86-19828 Characteristics of effects of microbiological means of plant protection on organism p 109 N86-19829 p 109 N86-19831 Micellar enzymology Fluorescent-polarization properties of chromophores of

water-soluble proteins of normal and cataractal human

p 118 N86-19832

Element analysis of sclerotic formations of major blood vessels by laser mass spectrometry p 118 N86-19833 Clinico-epidemiological characteristics of Q fever in Carpathian foothills p 118 N86-19834 Epidemiological supervision of poliomyelitis p 118 N86-19835 Investigation of reactogenic and antigenic activity of chromatographically purified, concentrated and inactivated dry vaccine against tick borne encephalitis p 119 NR6-19837 Light induced damage to erythrocyte membrane sensitized by tetrasulfophenyl porphin p 109 Covalent crosslinks between filaments in DNA induced p 109 N86-19839 by laser concerning Evhibite sparing medicine p 119 N86-19840 Zdravookhranenive-85 at Moscow Magnets and surgical procedures p 119 N86-19841 Thermovisual indicators of brain response to visual p 119 N86-19843 stimuli Neuronal response and evoked potentials in subcortical formations in visual perception Part 1: Problem formulation and principles of solution p 119 N86-19844 Respiratory function in inhabitants of northeastern USSR p 119 N86-19845 Effects of 24 h sleep deprivation on biogenic amine metabolism p 120 N86-19846 Visual form perception from halftone images p 120 N86-19847 Problem of biological clocks: New data on circadian changes in status of human organism p 120 N86-19848 Enhancement of somniferous effects of thermal pulsation by simultaneous application to two reflexogenic zones p 120 N86-19849 Shklovskiy discusses possibility of extraterrestrial p 157 N86-20444 Salvut-7 electrophoresis experiments aid medical Meteorological adaptation research at biology institute p 158 N86-20890 The effect of equally effective neutron and X-ray radiation doses on the epithelial cells of the hair bulb [BLL-CE-TRANS-8221-(9022.09] p 170 N86-21104 USSR report: Space Biology and Aerospace Medicine, volume 19, no. 6, November - December 1985 [JPRS-USB-86-001] p 172 N86-21114 Spatial illusions of vestibular genesis during flights in aircraft p 172 N86-21115 Vestibular function in older individuals submitted to antiorthostatic hypokinesia for 30 days p 172 N86-21116 Characteristics of accelerations in aerobatic flight as a p 172 N86-21117 sport Distinctions in reactions to active orthostatic and water-loading tests of subjects differing in tolerance to p 173 N86-21118 positive Gz accelerations Effect of immersion hypokinesia on characteristics of programmed voluntary movements p 173 N86-21119 Cerebral circulation and oxygenation in healthy man during graded exercise in antiorthostatic position p 173 N86-21120 Forced expiration parameters in healthy man submitted to simulated weightlessness p 173 N86-21121 Effect of restricted motor activity on alanine level in human plasma p 173 N86-21122 Effect of weightlessness and some of its models on mechanical properties of animal bones submitted to torsion p 173 N86-21123 Role of vitamin D3 active metabolites in regulation of calcium metabolism in hypokinetic rats p 174 N86-21124 Comparison of bone reactions of rats submitted to clinostatic and antiorthostatic hypokinesia p 174 N86-21125 Condition of thyroid gland and C cells during long-term rotation (morphological and biochemical investigation) p 174 N86-21126 Condition of cardiovascular system in presence of acute p 174 N86-21127 mountain sickness Rat brain impedance in stationary magnetic field p 174 N86-21128 Experimental arrhythmia and its prevention p 174 N86-21129 Evaluation of condition of human skin in a closed environment by means of chromatography p 174 N86-21130 Toxicological evaluation of as emission from heat-stable tetrafluoroethylene-based polymers when p 175 N86-21131 Greenhouses with curvilinear planting surface p 159 N86-21132 Device for combined study of visual tracking and verbal

p 175 N86-21133

Effect of active antiorthostatic conditioning on tolerance to cranial redistribution of blood p 175 N86-21135 Some aspects of human amino acid metabolism at high p 175 N86-21136 altitude Electrocardiogram in NEHB type leads of Macaca p 175 N86-21137 mulatta monkeys Theoretical prerequisites for the possible use of bacteria which split organophosphates in order to increase the yield of nutrient yeast and its nitrogen and phosphorous [AD-A161811] p 159 N86-22083 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-002] p 209 N86-23222 Biochemical models for study of nerve cell prop 209 N86-23223 Interaction of asialoglycoprotein receptor of hepatocytes with chemically galactosilated acid alpha-glucos p 210 N86-23224 Protein-protein interactions in systems with synthetic p 210 N86-23225 polyelectrolytes Effect of intensive visible light on activity of glutathione peroxidase in pigmented epithelium of eye p 210 N86-23226 Discovery regarding electron redistribution among cell p 217 membranes Production of gene bank from cotton plant chloroplast DNA foi HC/MF p 210 N86-23228 Production of gamma- and alpha-interferon by human blood leukocytes under successive induction conditions N86-23229 p 217 Farm animals as source of yersiniosi p 217 N86-23230 Test of erythrocyte antigen diagnostic agent for detecting p 218 N86-23231 antibodies to coxiella burnetti Detection of HBsAg in families of children with viral p 218 N86-23232 HBeAg and its antibodies in carriers of HSsAg in various p 218 N86-23233 regions of USSR characteristics of epizootic process hemorrhagic fever with renal syndrome p 218 N86-23234 AIDS-free USSR monitoring potential outbreak the p 218 N86-23235 Antibiotic properties of bifidobacteria p 219 N86-23236 Effect of plasmids on virulence of pseudomonas aeruginosa strains in mouse experiments p 210 N86-23237 Artificial vaccines and stimulation of immunity p 219 N86-23238 Artificial antigens, vaccines reviewed p 219 N86-23239 Obtaining hybridomas that synthesize monoclonal antibodies to polysaccharide of group a streptococcus p 219 N86-23240 Fab-fragment of heterologic immunoglobulin for flu p 219 N86-23241 prophylaxis and treatment Description of preparation of capsular antigen isolated from versinia pestis strain EV p 219 N86-23242 Study of cell-wall antigen determinants in ribosomal preparations of group a streptococcus p 220 N86-23243 Hypoxia prophylaxis against radiation injury p 220 N86-23244 Many medical uses foreseen for artificial sk p 220 N86-23245 Search for DNA host specificity systems in salmonella p 210 N86-23247 typhi Electric sleep method of preventing fatigue build-up in sailors on extended cruises p 235 N86-23248 Cloning and expression of leptospira pomona hemolysin p 211 N86-23249 gene in escherichia coli Assessment of selected physiological indicators in antenna operators at short-wave transmitting and receiving p 220 N86-23250 Status of calcium metabolism in coal miners with p 220 N86-23251 vibration sickness p 211 N86-23252 Diseases in CEMA countries Model of experimental pixuna virus infection in white p 211 N86-23253 mice Experimental evaluation of pathogenicity of different p 211 N86-23254 variants of lassa virus Standardization of conditions for measuring intensity of specific fluorescence in continuous cell cultures infected with variants of Japanese encephalitis virus N86-23255 p 211 Vaccine Proteins R and D on Salyut-7 p 220 N86-23256

Meteorological adaptation research at biology institute

USSR report: Life sciences. Biomedical and behavioral

[JPRS-UBB-86-004]

p 211 N86-23257

p 212 N86-23258

Estimate of emotional stress during working activity based on systems analysis of skin-galvanic reaction p 220 N86-23259 Influence of complexity of control task on level of activation of operators physiological functions when p 221 N86-23260 working with waiting Review of book on principles of aviation psychology p 235 N86-23261 Method of changes in reversible pattern masking as factor in visual perception p 221 N86-23263 Oxygen-liberating mixtures for breathing apparatus p 241 N86-23264 Phosphorobacterin and its effectiveness p 248 N86-25973 [AD-A164508] USSR report: Life sciences. Biomedical and behavioral [JPRS-UBB-86-008] p 278 N86-27869 Lactobacteria and prophylaxis in space p 285 N86-27870 Commentary on results of biological satellite program p 278 N86-27871 Sweating reflex in complex of methods for evaluating operator efficiency p 285 N86-27872 Influence of shipboard environmental factors on conditioned reflex activity of experimental animals during a long voyage p 278 N86-27873 Effects of cold exposure on thermal status of men and p 285 N86-27874 women Study of brain biochemistry during hypothermia p 285 N86-27875 Somatosensory and auditory perception according to study using focused ultrasound p 285 Change of RNA and protein level in neurons-glia system under effects of hyperthermia and hypoxia p 278 N86-27877 USSR report: Space Biology and Aerospace Medicine, no. 1, January - February 1986 [JPRS-USB-86-003] p 278 N86-27878 Prospects for using ultraviolet radiation in long-term spaceflights p 285 N86-27879 Experimental and general theoretical research: Nature p 285 N86-27880 of circulatory regulation in pilots Psychoemotional pilot stress prior to ejection and its role in appropriate performance p 292 N86-27881 Effect of intensive operator work on lipid peroxidation p 286 N86-27882 processes in man Effect of rhythmic photic interference on working electroencephalogram and efficiency of human p 292 N86-27883 movements Distinctions in humoral control of metabolism with simulation of spaceflight factors p 286 N86-27884 Some human reactions during 7-day antiorthostatic hypokinesia Collagen, lipid and glycogen content of rat skeletal muscles in recovery period after 15- and 30-day p 279 N86-27886 hypokinesia Human central hemodynamics during lower p 286 N86-27887 decompression Phasic processes in kinetics of formed blood elements p 286 N86-27888 Morphological and biochemical investigation of rat adrenocortical function during long-term hypokinesia p 279 N86-27889 Effect of diphosphonates on bones of hypokinetic rats p 279 N86-27890 Experiments with developing plants aboard Salyut-5, Salyut-6 and Salyut-7 oribital stations p 279 N86-27891 T and B components of immunity in the presence of acute mountain sickness p 286 N86-27892 Effect of different doses of ultraviolet radiation on vitamin N86-27893 levels in mar p 287 Physical endurance of rats during intensive and repeated exposure to stationary magnetic field p 279 N86-27894 Radiobiological validation of quality factor of protons and p 287 N86-27895 Effect of dibasol and some of its imidazo analogues on animal tolerance to gravitational accelerations and dynamics of development of postischemic cerebrovascular phenomena p 279 N86-27896 Reproductive capacity of microflora on polymers used p 280 N86-27897 in sealed environments Restraint system for waking Macaca mulatta monkeys during postural tests p 280 N86-27898 Method of demonstrating calcium in human foot by neutron activation of (alpha, N)-sources p 287 N86-27899 Direct spectrophotometric method of assaying ammonia concentration in gas environment of seeding chambers p 280 N86-27900 Amino acid spectrum of human blood in the presence p 287 N86-27901 of emotional stress Blood serum enzymes during 7-day water immersion p 287 N86-27902

activity

FOREIGN TECHNOLOGY INDEX Intensity of photosynthesis in closteriopsis acicular var. africana Hind as a function of oxygen concentration in the atmosphere p 280 N86-27903 Radioprotective and therapeutic efficacy of carrageenan against proton radiation p 287 N86-27904 USSR report: Life sciences. Biomedical and behavioral sciences [JPRS-UBB-86-009] PRS-UBB-86-009] p 376 N86-28610 Resistance, exchange, and capacitance functions of skeletal muscle vessels in acute hypoxic hypoxia p 379 N86-28611 Modification of cytogenetic and physiological effects of pace flight factors by biologically active compounds NASA-TM-87987] p 386 N86-28624 [NASA-TM-87987] Monkeys as a source of viral diseases in man [NASA-TM-78017] p 386 N86 NASA-TM-78017] p 386 N86-28625 External respiration, gas exchange, and blood oxygen parameters in acute methemoglobinemia p 415 N86-32082 Special features of surgical intervention under conditions weightlessness [AD-A1679161 p 423 N86-32092 UNITED KINGDOM The impact of life events on pilots - An extension of Alkov's approach p 18 A86-10260
The effects of mild hypoxia on a logical reasoning task p 18 A86-10261 The skeleton in space p 10 A86-11833 Human factors in aviation. III - Some comtemporary 201 122 p 44 A86-13263 Fact and assumption in studies on the origins of life p 48 A86-14115 The effect of leakage on the insulation provided by immersion-protection clothing p 44 A86-14320 The anthropic principle - Probability and the possibility of extratemestrial life [IAF PAPER 85-468] p 48 A86-15921 Spin-dependent electron scattering from optically active olecules p 76 A86-16425
Parity-violating energy differences of chiral minerals and molecules the origin of biomolecular homochirality p 77 A86-17807 Autotrophic and mixotrophic growth and metabolism of some moderately thermoacidophilic iron-oxidizing bacteria p 51 A86-18033 'Actions not as planned' in military air-traffic control p 70 A86-18546 Additional pressurisation for treating nonresponding cases of serious air decompression sickness p 58 A86-18831 The desensitisation of chronically motion sick aircrew the Royal Air Force p 59 A86-18832 in the Royal Air Force Molecular sieve oxygen systems and aircraft role p 96 A86-19315 Effects of raised body temperature on reasoning, p 86 A86-20002 Invariant tuning of motion aftereffect p 94 A86-20899 Velocity coding - Evidence from perceived velocity p 94 A86-20900 shifts Task parameters affecting individual differences in pursuit and compensatory tracking performance p 95 A86-20972 p 154 A86-25774 Permanent distortion of positional system of Xenopus embryo by brief early perturbation in gravity p 106 A86-26180 Performance overnight in shiftworkers operating a p 179 A86-29095 day-night schedule Hysterical deafness - An unusual presentation of stress in an air traffic control officer p 180 A86-29098 Micropat - A progress report on the validation of an

automated test battery for pilot selection

a little arithmetic for a measure of emotion

Physiological problems of ascent to altitude

The viability with respect to temperature, micro-organisms incident on the earth's atmosphere

New developments in on board oxygen generators

Biomaterials research in West Germany:

in humans

[AD-A158951]

objects on a colour CRT

The question of life on Mars

Intelligent crew workstations

Knowing what we get from training devices - Substituting

Somatostatin inhibits the ventilatory response to hypoxia

Minimum colour differences required to recognise small

Astronomical sources of circularly polarized light and their role in determining molecular chirality on earth

p 231 A86-29911

p 232 A86-29921

p 216 A86-30681

p 240 A86-32316

p 376 A86-40566 p 410 A86-43927

temperature, of p 410 A86-44358 p 406 A86-44532

p 430 A86-47740

D 53 N86-14840

A86-38144

p 297

Biological sciences and bioelectromagnetics in Europe [AD-A159221] D 53 N86-14841 The evaluation of copper compounds as potential fuel hincides [AMTE(M)-845201 p 84 N86-17974 Performance comparison of thirty, two-stage demand requistors [ARE(M6)-TM-83818] p 99 N86-17987 A waterproof vent valve for immersion suits D 99 N86-17988 Some dominant frequencies of postural tremor are lower p 122 N86-19850 A survey of speech audiometry in the National Health Service [NPL-AC-105] p 221 N86-23267 The BAe D target acquisition model ORACLE: An overview, 1984 [BAE-JS-100091 p 221 N86-23268 Automation and pilot interactions in night or all-weather tactical operations ns p 293 N86-26319 185 International Congress 62-Biotechnica [AD-A165415] p 276 N86-26794 Human factors: The Cinderella discipline in cockpit interface design interface design p 294 Noo-20020 Entry visual standards and ocular examination techniques for future fighter aircrew p 400 N86-30317 p 294 N86-26825 techniques for future fighter aircrew p 400 N86-30317
A design guide for visual displays and manual tasks in vibration environments. Part 1: Visual displays [ISVR-TR-133-PT-1] p 442 N86-33014
A design guide for visual displays and manual tasks in vibration environments. Part 2: Manual tasks p 443 N86-33015

The history of aeronautical medicine in Venezuela [NASA-TM-77709] p 176 N86-22094

#### Υ

#### YUGOSLAVIA

Hyberbaric oxygen in the treatment of Bell's palsy p 124 N86-19870 The influence of heliometeorologic factors on circulation and some vegetative functions p 165 N86-21021 Colloidal and meteorological in vitro reactions D 165 N86-21024 Temperature wind speed humidity (TWH): A biometeorological index testing p 166 N86-21028

### **CONTRACT NUMBER INDEX**

AEROSPACE MEDICINE AND BIOLOGY / A Continuing Bibliography 1986 Cumulative Index

January 1987

N86-11835

N86-11849 N86-11855

N86-12953 N86-12975

N86-12976

NR6-14882 N86-14900 N86-15862 N86-17989

NR6-22091

N86-23270

N86-23271

N86-24209

N86-30340 N86-18962

N86-11845

N86-10772

N86-12965 N86-13883

N86-21102

N86-30344 N86-30345

N86-31215

N86-10736

N86-31223

N86-31224

N86-31225 N86-31226 N86-16878

N86-13884

N86-32086

N86-14843

N86-11848

N86-21099

A86-26198 A86-31833

N86-23219 N86-32085

N86-12964 A86-10158

A86-36852

A86-36879

A86-38510

N86-13906

N86-25989

A86-18513 N86-11837

N86-16896

N86-24212

N86-13883

N86-33003

N86-32107

NR6-32108

N86-32109

N86-32110

N86-33024

N86-13902

N86-13903 N86-13904

N86-24191

A86-45251

A86-49250

A86-20001 A86-49250

A86-49523

A86-22626

N86-32098

N86-25985 A86-10252

A86-33754

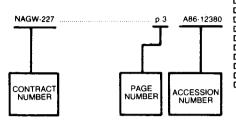
A86-22023

N86-22097

N86-25983 N86-25984

N86-21112

### **Typical Contract Number Index Listing**



Listings in this index are arranged alphanumerically by contract number. Under each contract number, the accession numbers denoting documents that have been produced as a result of research done under that contract are arranged in ascending order with the AIAA accession numbers appearing first. The accession number denotes the number by which the citation is identified in the abstract section. Preceding the accession number is the page number on which the citation may be found.

AF PROJ. 2312	p 71	N86-14892
AF PROJ. 2313	p 40	N86-13890
AF PROJ. 2729	p 38	N86-12963
AF PROJ. 718-4	p 187	N86-21148
AF PROJ. 723-1	p 213	N86-24189
	p 180	N86-21140
AF PROJ. 7231AF PROJ. 775-5	p 114	N86-18961
AF PROJ. 775-7	p 38	N86-12959
A 11100. 7707	p 55	N86-15859
AF TASK 2312V2	p 183	A86-28431
AF TASK 2313T3	p 230	A86-29903
AF-AFOSR-0022-83	p 394	N86-31209
AF-AFOSR-0030-84	p 69	N86-15907
AF-AFOSR-0087-81	p 160	N86-22089
AF-AFOSR-0161-83	p 70	N86-14889
AF-AFOSR-0215-83	p 126	N86-19887
AF-AFOSR-0246-80	p 40	N86-13889
	p 68	N86-15906
AF-AFOSR-0258-82	p 178	N86-22105
AF-AFOSR-0345-82	p 43	N86-13896
AF-AFOSR-0366-83	p 108	N86-18958
AF-AFOSR-2312-V2	p 436	N86-32978
AF-AFOSR-3709-78	p 108	N86-18957
AF-AFOSR-80-00224	p 233	A86-31820
AF-AFOSR-80-0246	p 234	A86-32073
AF-AFOSR-83-0148	p 18	A86-10260
AF-AFOSR-84-0331 AF-AFOSR-85-0149	p 207	A86-31650
	p 70	A86-17352
ARPA ORDER 4507 A79/KL/097	p 108	N86-19825 N86-10789
A79/KL/151	p 23 p 95	N86-10789 N86-17986
A81/K/041	p 100	N86-17992
A83/K/045	p 20	N86-10782
A00/10/040	p 427	N86-32100
A83/KLU/078	p 405	N86-30337
BMFT-0101-ZA/WF/WRD-174/4	p 292	N86-26835
BRSG-RR-07013-14	p 265	N86-25119
CNES-84-5027	p 45	A86-15817
CNRS-ATP-960095	p 372	A86-40879
CNRS-ERA-272	p 250	A86-33758
DA PROJ. RR0-4108	p 159	N86-22082
DA PROJ. RR0-4204	p 73	N86-15914
DA PROJ. ZR0-0001		N86-24188
DA PROJ. Z08-29		N86-24188
DA PROJ. 1L1-62723-AH-98		N86-26838
DA PROJ. 1L1-62724-AH-99		N86-26837
D. DDG / 40 / 4 / 40 D D	p 409	N86-31221
DA PROJ. 2Q1-61102-B-74-D	•	N86-32089
DA PROJ. 2Q1-61102-B-74-F		N86-31217
	p 434	N86-32104
	p 428	N86-32969

DA PROJ. 2Q1-62717-A-790	D 134	N86-18982		р7
DA PROJ. 2Q2-62722-A-791	p 72	N86-14894		p 18
DA PROJ. 2Q2-63739-A-793		N86-14897		p 23
DA PROJ. 2Q2-63743-A-792		N86-32967		p 28
DA PROJ. 2Q2-63743-A-793		N86-32967		p 45
DA PROJ. 202-63743-A-794		N86-18983		p 46
DA PROJ. 250-5 DA PROJ. 3E1-61101-BS-10		N86-19944 N86-18970		p 64
DA PROJ. 3E1-61102-BS-04		N86-18962		p 75 p 55
DA PROJ. 3E1-62777-A-879		N86-13887		p 100
	p 63	N86-14875		p 100
	p 68	N86-15904		p 161
	p 83	N86-16876		p 221
	p 115	N86-18965		p 222
	p 154	N86-19946		p 225
	p 177 p 282	N86-22102		p 408
	p 424	N86-26799 N86-32959	DE-AC05-84OR21400	
DA PROJ. 3F1-62777-A-878		N86-19827	DE-AC06-76RL-01380	
DA PROJ. 3M1-61102-BS-10		N86-14881	DE-AC06-76RL-01830	•
	p 83	N86-16877		p 39
	p 93	N86-17981		p 29 p 159
	p 224	N86-24202		p 411
DA PROJ. 3M1-61102-BS-12		N86-18951		p 411
DA PROJ. 3M1-62734-A-875 DA PROJ. 3M1-62770-A-871		N86-11832 N86-13880		p 402
DA PROJ. 3M2-63764-D-995		N86-24197	DE-AC07-76ID-01570	p 4
DA PROJ. 3M6-1102-BS-10		N86-32084		p 409
DA PROJ. 3S1-62772-A-874	•	N86-22100		p 409
DA PROJ. 3S1-62775-A-825	p 177	N86-22099		p 409
DAAG29-82-C-0011		N86-18952	DE-AS05-76EV-03408	p 409
DAAG29-82-K-0064		N86-28607	DE-AS05-76EV-03728	
DAAG29-82-K-0156		N86-25120	DE-AS05-81ER-10803	
DAAG29-82-K-0194 DAAG29-85-K-0095		N86-25115 A86-17352	DE-AS05-83ER-13072	
DAAK11-82-C-0113		N86-13881	DE-AS05-84ER-60192	
DAAK60-84-C-0011		N86-26837	DE-AS09-83ER-13107	
DAAK60-84-C-0086	p 295	N86-26838	DE-AT03-76EV-70134	
DAAK60-85-C-0011	p 409	N86-31221	DE-AT03-82ER-60031	
DAAK70-83-K-0018		N86-15901	DE-FG02-84ER-13187 DE-FG02-85ER-13337	
DAAK80-81-C-0089		A86-29869	DE-FG08-84ER-13234	
DA 1445 82 C 2047	p 240	A86-32315	DE85-AI08-78EV-01577	
DAJA45-83-C-0047 DAJA45-83-C-0057		N86-32089 N86-22088	DFG-SFB-114	
DAMD17-77-C-7006		N86-14873	DOT-FA03-84-P-01649	p 272
DAMD17-80-C-0094		N86-22100		p 272
DAMD17-80-C-0100		N86-13880	DDET 00 4404	p 293
DAMD17-80-C-0109	p 109	N86-19827	DTRS56-83-C-00047	
	p 416	N86-32084	EPA-CR-807108	
DAMD17-81-C-1177		N86-22100	EPA-CR-810340	
DAMD17-81-C-1178		N86-17981 N86-14873	EPA-68-02-3278	
DAMD17-83-C-3150		A86-29883	EPA-68-02-3453	p 7
D. W.D. 17 - 00 - 0 - 100	p 232	A86-29923	EPA-68-02-3583	*
DAMD17-83-C-3240		N86-22099		p 226
DAMD17-84-G-4012		N86-26799	EPRI PROJ. 1774-1	p 226
DAMD17-84-G-4023		N86-32959	ESA-5594/83/NL/AN(SC)	
DE-AC02-76CH-00016		N86-11846	ESA-5594/83	
	p 55	N86-15860 N86-18978		p 435
	p 118 p 158	N86-18978 N86-21101		p 435
	p 278	N86-27868		p 435
	p 425	N86-32964	FOA 5740 (00 (N) AN(00)	p 444
DE-AC02-76EV-00119		A86-43450	ESA-5718/83/NL-AN(SC)	p 46 p 47
DE-AC02-77EV-04268		N86-23269		p 47
DE-AC02-78EV-04746		N86-15861		p 47
DE-AC02-78EV-04957 DE-AC02-80RA-50219	D 30	N86-16893 N86-13885	ESTEC-5655/83-NL-PR	
DE-AC02-00HA-30219	p 209	N86-23221	FFWF PROJECT 3470	
	p 310	N86-27923	EDVE DDO 1507 (555	p 419
	p 390	N86-29533	FFWF PROJECT 4200	
	p 411	N86-30346		p 419 p 421
	p 411	N86-30347	F19628-85-K-0028	
DE-AC02-81ER-10945		A86-23999 Nec 24209	F30602-81-C-0169	
DE-AC02-81EV-10731 DE-AC03-76SF-00098		N86-24208 N86-12952	F33615-76-C-5005	
DE-7003-103F-00030	p 213	N86-24190	F33615-79-C-0509	p 1
DE-AC03-84ER-80189	-	N86-15901	F33615-79-C-0523	
DE-AC04-76DP-00053		N86-21113	F33615-80-C-0512	
DE-AC04-76DP-00789		N86-17978		p 176
227,004-7001-00700	p 409	N86-31222		p 257 p 258
DE-AC05-84OR-21400		A86-23424		p 258
	p 6	N86-11833	F33615-80-C-0523	

						CONTRACT	<i>VUMB</i>	ER INDEX
F33615-80-C-0612	p 53	N86-14842		p 26	A86-14313			
F33615-80-C-0614		A86-18838		p 49	A86-16901			A86-30461
F33615-81-C-0500	p 401			p 411			p 203 p 203	
F33615-81-K-0011			NAG2-108	p 374	A86-43444	NAS2-10801	p 203	A86-20404
F33615-82-C-0511		A86-23711 A86-23747		p 375	A86-43450	NAS2-11098	. p 264	A86-35667
	p 262		NAG2-112	p 228		NAS2-11305	D 203	A86-30464
	p 45	N86-12973	NAG2-123		A86-17771	NAS2-11341		
F33615-82-C-0513	p 243	N86-24223		p 70 p 261	A86-17774 A86-33816	NASO 11401	p 185	
F33615-82-C-0629	p 442	N86-33010		p 426	A86-49633	NAS2-11431NAS2-11454	. p 237	A86-29860
F33615-82-D-0601	p 185	A86-28442		p 434		NAS2-11586	. p 438	N86-32991 A86-20404
F33615-82-K-0522	p 267	A86-33787		p 385		NAS2-11687	n 99	N86-16902
F33615-83-C-0500	p 145			p 408	N86-31218	NAS2-11731	p 264	A86-35667
F33615-83-C-0506	p 145	N86-23101	NAG2-132	p 385	N86-29509	NAS2-12048	p 70	A86-17774
F33615-83-C-3608	p 185	A86-28444	NAG2-137		A86-29899		p 260	A86-33792
F33615-83-D-0601	p 237	A86-29861	NAG2-167	p 52 p 52	A86-18398	NAS2-9094	p 233	A86-31820
F33615-83-F-0602-001	p 217	A86-31223		p 52 p 52	A86-18399 A86-18400	NAS5-20400	p 200	
F33615-83-K-0038				p 82	A86-22713	NAS7-100 NAS7-918	P 3/4	A86-43440
	p 230		NAG2-169	p 179	A86-28867	NAS8-35184	n 268	N86-22113 A86-33828
		A86-29903		p 180	N86-21139		n 23	N86-11854
F33615-83-K-0501	p 223	N86-24194 A86-31824	NAG2-17		A86-28864	NAS8-35636	D 242	N86-24217
F33615-83-K-0611	p 290	N86-27919	NAG2-195		A86-49870	NAS8-36366	p 272	N86-25121
F33615-83-K-0612			NAG2-212	p 436		NAS8-36526	p 407	A86-46945
		A86-29923	MAGE-E12	р I р 391	A86-10109 A86-44196	NAS8-36611 NAS9-13624	p 82	N86-16875
F	p 224	N86-24200	NAG2-216	p 382	N86-29504	NAS9-14538	p 138	A86-23527 A86-15822
F33615-83-R-0613		A86-17918	NAG2-227		N86-16901	NAS9-14662	p 80	A86-20404
F33615-84-C-0500	p 281			p 382	N86-29502	NAS9-15147	p 163	A86-29093
F33615-84-C-3407	p 236	A86-29857 A86-44779	NAG2-228	p 441	N86-33006		p 250	A86-33759
F49620-77-C-0117	p 233	A86-31820	NAG2-232		N86-32111	NACO 45040	p 253	A86-36315
F49620-80-C-0058	p 71	N86-14891	NAG2-237 NAG2-272	p 207	A86-32057 A86-47871	NAS9-15343	p 35	A86-15823
F49620-82-C-0009	p 69	N86-15908	NAG2-272 NAG2-282	p 413	A86-47871 A86-38147	NAS9-15425 NAS9-15487	p 80	A86-20404
F49620-82-C-0035		A86-33809	NAG2-301	p 198	A86-30428	NAS9-15850	D 316 P 340	A86-15830 A86-15830
E40620.82 K 0016	p 69	N86-15909		n 380	N86-29498		p 413	A86-47872
F49620-82-K-0016 F49620-82-K-0024	p /1	N86-14890 N86-30331	NAG2-308	p 262	A86-33825	NAS9-16042	p 281	A86-39099
F49620-83-C-0001	n 428	N86-32973	NAG2-323	p 195	A86-30407	NAS9-16046	p 162	A86-28125
	n 429	N86-32974	NAG2-324		A86-30399	NAS9-16328	p 36	A86-15830
F49620-83-C-0052	p 115	N86-18963	NAG2-325	p 410	N86-30342	NAS9-16442	p 170	N86-21105
F49620-83-C-0059	p 43	N86-13895	NAG2-326	p 193	A86-30391 A86-30401	NAS9-16634	•	N86-10770
F49620-83-C-0077	p 405	N86-31216	NAG2-332		A86-30400	NAS9-16801	p 22	N86-10785 A86-41780
F49620-83-C-0102	p 404	N86-30332	NAG2-340	p 82	A86-22709	NAS9-16811	p 408	N86-30339
F49620-83-C-0108 F49620-83-C-0144	p 404			p 195	A86-30406	NAS9-16846	p 139	A86-23533
F49620-84-C-0116	p 43	N86-13897 N86-14880		p 371	A86-40674	NAS9-16956	p 46	N86-13898
IARF PROJECT 1247/1981	p 33	A86-14319	NAG2-342	p 371	A86-40675	NAS9-16978	p 138	A86-23527
MDA903-79-C-0421	p 434	N86-32104		- 414	A86-30405 A86-49871	NAS9-16982 NAS9-17133	p 263	A86-35427
MDA903-80-C-0154	p 405	N86-31217	NAG2-343	D 199	A86-30436	14700-17100	p 110	A86-23502 A86-47872
MDA903-80-C-0345	p 134	N86-18983	NAG2-349	p 199	A86-30433	NAS9-17151	p 36	A86-15830
MDA903-81-C-AA06 MDA903-81-C-0504	p 381	A86-40480 N86-32967		p 200	A86-30439	NAS9-17291	p 201	A86-30444
MDA903-83-C-0106	n 428	N86-32969		p 201	A86-30451	NAS9-17292	p 201	A86-30444
MF-4494	p 280	A86-39092		p 202	A86-30460	NAS9-17428	p 99	N86-16903
MF-5930	p 280	A86-39092		p 203 p 203	A86-30461 A86-30463	NAVY TASK MR041,01,01,1124	p 247	A86-36225
MIPR-N-82-29	p 153	N86-19944	NAG2-357	p 408	N86-30338	NAVY TASK M0099,PN001,1151 NAVY TASK M0099,PN01C,0001	p 2	A86-10254
MOD RP42-3 MRC-MA-7595	p 240	A86-32316	NAG2-73	D 276	A86-39470	NAVY TASK M0099PN,01A,0009	p 28	A86-41784 A86-16054
MRTF-82,J,0159	p 60	A86-18844	NAG2-75	p 228	A86-29886	NAVY TASK M0100,001,1022	p 378	A86-41783
MR0-00001	p 176	N86-22008	NAG3-51	p 271	A86-36172	NCA2-OR785-801	p 404	N86-30328
M00-96-PN	p 69	N86-15910	NAG9-118		A86-14238	NCC2-115		N86-19886
M00-96	p 133	N86-18980	NAG9-118 NAG9-23	p 1/6	A86-14311			N86-21107
NAGW-140	p 198	A86-30429	NASA ORDER A-21991-C	D 202	A86-30459	NCC2-126	p 171 n 379	N86-21109
NAGW-227		A86-18027	NASA ORDER A-21992-C	p 203	A86-30464	NCC2-136	p 6	N86-29495 N86-11829
NAGW-227		A86-12380	NASA ORDER A-21997-C	p 202	A86-30455	NCC2-152	n 270	A86-35454
		A86-30379 A86-30426	NASA ORDER T-82170	p 137	A86-23505	NCC2-202	p 132	A86-26011
		A86-30427			A86-47741		D 234	A86-31822
		A86-30456	NASW-3165	p 418	A86-47765 N86-18050	NCC2-213	p 383	
	p 202	A86-30457		p 189	N86-18950 N86-21150	NCC2-213		A86-30467
NAGW 226	p 374			p 297	N86-26844		p 371 p 29	A86-40666 N86-13878
NAGW-236 NAGW-238	p 397	N86-30303	NASW-3213	p 158	N86-21097	NCC2-223	p 426	A86-49870
NAGW-301	p 106	A86-30420 A86-25659	NASW-3676	p 28	N86-12949		p 382	N86-29503
NAGW-308	n 80	A86-20404			N86-18949	NICCO AGO	p 439	N86-32995
NAGW-338	p 288	N86-27913		p 209	N86-23218	NCC2-228		A86-28866
NAGW-368	n 196	A86-30412		p 248 p 248	N86-25109 N86-25971	NCC2-231	p 239	A86-29880
NAGW-420	p 196	A86-30411		p 277	N86-27864	NCC2-266	D 503	N86-11830 A86-30464
NAGW-420 NAGW-429	p 196		***	p 416	N86-32083		p 391	A86-44196
	p 261 p 440	A86-33807 N86-32998	NASW-3924	p 180	N86-21138	NCC2-272	p 171	N86-21106
NAGW-436	p 296	A86-38139	NASW-4004	p 2	A86-12001	NCC2-286	p 229	A86-29899
NAGW-458	p 207	A86-31833	NASW-4004		N86-28624	NCC2-301	p 434	N86-32101
NAGW-494	p 260	A86-33804	NASW-4005	n 176	N86-28625 N86-22094	NCC2-302 NCC2-325	p 379	N86-28613
NAGW-629	p 148	N86-18990	NAS1-17576	p 170	A86-23733		p 197 p 205	A86-30424 A86-30473
NAGW-643 NAGW-70		A86-30435		p 262	A86-33822	NCC2-333		N86-33016
	•	A86-25660 A86-30413	NAS10-10285	p 272	N86-25122	NCC2-335	p 380	N86-29497
	p 199	A86-30435	NAS10-10531	p 156	A86-28860	NCC2-337	p 379	N86-29496
NAGW-780	p 196	A86-30414	NAS2-10047	p 245	A86-34985	NCC2-44	p 67	N86-15898
NAGW-97	p 197	A86-30417	NAS2-10047NAS2-10535	p 228	A86-29886	NCC2-85	p 6	N86-11831
NAG1-451		A86-33794		n 204	A86-30391 A86-30470	NCC9-1	D 32	A86-33758 A86-15823
NAG1-519	p 21	N86-11850	NAS2-10536	p 199	A86-30433	NCC9-8	p 257	A86-15823 N86-25978
NAG2-100		N86-11838			A86-30439	NERC-GR3/2951	p 80	A86-21587
	μZ	A86-12026			A86-30460	NERC-GR3/3758		A86-21587

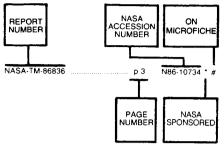
NGR-01-010-001	p 189	A86-28723	NIH-RR-01821	р2	A86-12001	N00014-80-C-0159	p 258	N86-25988
	p 372	A86-41046	NIH-RR-02142		A86-10105	N00014-80-C-0193	•	A86-28122
NGR-05-003-460	p 105	A86-24000	NIH-RR-07013-78	p 133	A86-26294	N00014-80-C-0505		N86-13893
NGR-05-067-001	p 393	A86-45960	NIH-RR-07031		A86-26296		p 43	N86-13894
NGR-33-018-148		A86-28721	NIH-RR-07143	p 215	A86-30680		•	N86-32968
	p 296	A86-38140	NIH-RR-109		A86-30679	N00014-81-C-0001	p 420	N86-26831
NGT-47-003-800	p 128	A86-23709	NIH-RR-1466	p 371	A86-40674	N00014-81-C-0569		N86-15914
NGW-378		A86-18026		p 371	A86-40675		•	
NIH-AI-07203		A86-40666	NIH-R01-AM-26317		A86-30679	N00014-81-C-0591		N86-18986
NIH-AI-14848		A86-40666	NIH-R01-HL-24335	0.419	A86-47875		•	N86-14893
NIH-Al-17041		A86-40666	NIH-T32-ES-507086	0.418	A86-47873	N00014 91 C 0616	p 265	N86-25119
NIH-AM-14881		A86-18398	NIH-1-R03-MH-34383	0 131	A86-24324	N00014-81-C-0616		N86-28616
140 1-700 1	p 52	A86-18399	NIH-2-507-RR-05749	D 410	A86-47870	N00014-81-K-0136		N86-12961
	p 52	A86-18400	NIH-5-R01-AM-18284		A86-30381		p 417	N86-32952
	p 82		NIVR-1857			N00014-81-K-0197		N86-11851
NIILI ANA 15704 44		A86-22713			N86-14895	N00014-81-K-0439		A86-36175
NIH-AM-15781-14		A86-30472	NOAA-NA-81AAD00070	p 292	N86-26835		p 188	N86-22115
NIH-AM-19475		A86-43448	NOAA-NA-BIAADOOOOO	. p 114	A86-25658	N00014-81-K-0496		N86-13882
	p 375	A86-43449	NOAA-NA-81AAD00092	. p 52	A86-18841	N00014-81-K-0742	p 99	A86-22626
	p 375	A86-43453	NO1-RR-3-2112		N86-16880	N00014-82-C-0067	p 291	N86-26829
	p 375	A86-43454	NR PROJ. RR0-1408		N86-13893	N00014-82-C-0160	p 182	N86-22111
NIH-AM-25501		A86-30448	NR PROJ. RR0-4204	. р 382	N86-28616	N00014-82-C-0179	p 141	A86-23702
NIH-AM-27029		A86-43450	NR PROJ. RR0-4206	. p 291	N86-26833		p 227	A86-29863
NIH-AM-28647	р3	A86-12380		p 382	N86-28617	N00014-82-C-0283		N86-22087
	p 192	A86-30379	NR PROJECT 049-506	. p 99	A86-22626	N00014-82-C-0659	n 224	N86-24199
NIH-AM-35651	D 194	A86-30396	NR PROJECT 102-448	. p 193	A86-30392	N00014-82-G-0011		
NIH-CA-10815		A86-40675	NSC-72-0412-B002-22		A86-18842	N00014-82-G-0061		N86-25976
NIH-ES-00354		A86-47873	NSERC-A-6466		A86-28124			N86-25990
NIH-EY-01175		A86-33103	NSERC-A-6592			N00014-82-K-0107		A86-31224
NIH-EY-03276			NSERC-U-0151		A86-30393	N00014-82-K-0221		N86-26793
NiH-EY-03524		A86-14315	NSF AST-82-12252			N00014-82-K-0261		N86-14878
		A86-26295			A86-38139	N00014-82-K-0487		A86-17772
NIH-EY-03694		A86-17351	NSF ATM-82-097960		A86-30697		p 70	A86-17774
NIH-EY-05522		A86-14714	NSF BNS-03711		N86-18985		p 73	N86-15913
NIH-EY-05636		A86-33103	NSF BNS-80-26656		A86-26296	N00014-82-K-0604	p 42	N86-12972
NIH-GM-07250	p 394	A86-43750	NSF BNS-82-04811	. p 426	A86-49870		p 95	N86-16898
NIH-GM-08710	p 2	A86-12001	NSF BNS-82-09265	. р 207	A86-31650		p 95	N86-16899
NIH-GM-21615	p 371	A86-40675	NSF BNS-83-18772	. p 41	A86-14143	N00014-82-K-0635		N86-22084
NIH-GM-26554	p 373	A86-43433	NSF BSN-84-60765	. p 263	A86-35427		p 160	N86-22085
NIH-GM-27057		A86-43433	NSF BSR-82-13682		A86-38146	N00014-82-K-0680		
	p 374		NSF BSR-83-15289		A86-21587			N86-19825
	p 374	A86-43436	NSF C-670			N00014-82-K-0759		N86-12969
	•	A86-50271	NSF CPE-80-15142			N00014-83-C-0196		N86-10735
NIH-GM-34527			NSF CPE-83-12092			N00014-83-C-0441		N86-14877
MIN-GM-54527		A86-23998	1431 OFE-03-12092			N00014-83-C-0524	p 62	N86-14872
NIII LID OCCOS	p 372	A86-41043	NCE DED 04 44007	p 245	A86-34985	N00014-83-C-0537	p 295	N86-26840
NIH-HD-09885			NSF DEB-81-11307	. р 48	A86-14123		p 295	N86-26843
NIH-HD-12913		A86-22709	NSF DPP-81-20473		A86-14123	N00014-83-G-0024	p 212	N86-24185
	p 371	A86-40674	NSF EAR-76-84233		A86-18027	N00014-83-K-0013	p 290	N86-26828
	p 371	A86-40675	NSF EAR-79-11200		A86-18027	N00014-83-K-0208		N86-30330
NIH-HD-16195	p 69	A86-16922	NSF EAR-79-19907	. p 155	A86-26490	N00014-83-K-0357		N86-19826
	p 426	A86-49521	NSF EAR-79-19908	. p 155	A86-26490	N00014-83-K-0601		N86-11842
NIH-HD-16596		A86-16901	NSF EAR-81-07686		A86-18027	1100014-00-11-0001		
NIH-HD-18002			NSF EAR-81-21212		A86-39470		p 17	N86-11843
NIH-HD-363		A86-40675	NSF EAR-82-06015			N00044 00 K 0747	p 21	N86-11852
NIH-HI-27815		A86-20406	NSF ECS-80-07102		A86-22626	N00014-83-K-0747		A86-33788
NIH-HL-11907			NSF ECS-83-51215			N00014-84-C-0018		N86-19901
		A86-10110				N00014-84-C-0112		N86-21142
NIH-HL-14985		A86-10108	NSF GA-43391 NSF INT-77-21795		A86-18027	N00014-84-C-0446		N86-11839
AULI LIL 15400	p 252	A86-36224			A86-16053	N00014-84-C-0484		N86-25992
NIH-HL-15469			NSF INT-80-07728		A86-16053	N00014-84-C-0543		N86-18971
NIH-HL-15473	p 246		NSF OCE-12999		A86-18027	N00014-84-C-0776	p 63	N86-14874
NIH-HL-154/3		A86-30682	NSF PCM-82-03004		A86-23996	N00014-84-K-0063	p 134	N86-18985
	p 206	A86-30683	NSF PCM-82-04017				p 291	N86-26833
NIH-HL-17731		A86-10103	NSF PCM-83-02-127		A86-12002		p 292	N86-27922
		A86-39095	NSF PCM-83-15900	. р 371	A86-40674	N00014-84-K-0064	p 70	N86-14888
		A86-47874			A86-40675	N00014-84-K-0365	D 394	N86-31208
		A86-47873	NSF PRA-85-13755		N86-22092	11000440414051	p 136	N86-19902
NIH-HL-17931	p 394	A86-43750	NSG-2137	. p 374	A86-43448		p 181	N86-21144
NIH-HL-20574	р3	A86-12381		p 375	A86-43449		p 235	N86-24214
	р3	A86-12382			A86-43453	N00014-84-K-0626		N86-22086
NIH-HL-20663		A86-16055		p 375		N00014-84-K-0693		N86-18953
NIH-HL-22296		A86-28125	NSG-2234			N00014-85-C-0592		N86-29499
NIH-HL-22544	D 246	A86-36218	NSG-2325			N00014-85-C-0594		
NIH-HL-22977-03		A86-12377	NSG-7044			N00014-85-G-0055		N86-32961
NIH-HL-23619-05		A86-45254			A86-32237			N86-22082
NIH-HL-25165		A86-12378	NSG-7151			N00014-85-K-0004		N86-17976
NIH-HL-25255					A86-43434		p 84	N86-17977
NIH-HL-25451	P 240	A86-10255			A86-43436		p 107	N86-18954
					A86-43436 A86-50271		p 107	N86-18956
NIH-HL-25984							p 116	N86-18968
NIH-HL-26963		A86-20401	NCC 70EE	p 248		N00014-85-K-0027		N86-21098
NIH-HL-27999	p 276	A86-39097	NSG-7255		A86-19126	N00014-85-K-0068		N86-28609
NIH-HL-28542	p 91	A86-22666	NSG-7336			N00014-85-K-0076		N86-21143
NIH-HL-29428		A86-20401	NSG-7440		A86-12002	N00014-85-K-0291		N86-23279
NIH-HL-30794		A86-10105	NSG-7480			N00014-85-K-0325		N86-25982
NIH-HL-32230	p 1	A86-10107	NSG-7493			N00014-85-K-0644		N86-28617
NIH-HL-33343		A86-43750	NSG-7588		A86-18027	N00039-84-C-0070	p 225	N86-24204
NIH-HL-33718		A86-10107	N00014-72-C-0057				p 225	N86-24205
NIH-MH-35735	p 207		N00014-76-C-0282	. p 177	N86-22103	N00140-83-C-RA12		N86-14901
NIH-MH-37208	p 133		N00014-77-C-0389		N86-13894	N00204-82-C-0113		A86-29881
NIH-NS-07134		A86-31824	N00014-77-C-0532				p 231	A86-29909
NIH-NS-07702	p 194	A86-30401		p 181			p 234	
NIH-NS-10940				p 235		N61339-81-C-0105		A86-31823
NIH-NS-12179			N00014-78-C-0527					N86-19903
NIH-NS-15760			N00014-79-C-004		A86-14123	N66001-83-R-0340		A86-28865
		A86-16901			N86-14839	PHS-AI-17687		N86-17976
NIH-NS-22604			N00014-79-C-0128			DUO 41 40000	p 107	
NIH-N01-HR-2915			N00014-70 C 0000	p 67	N86-15899	PHS-AI-18326	p 107	
NIH-P41-RR-01395-SSS			N00014-79-C-0323		N86-12970	PHS-AI-19007		N86-18956
NIH-RR-00827	p 281	A86-39095	N00014-79-C-0658			PHS-AM-31342		
NIH-RR-00995	p 103	A86-23225		p 259	A86-33782	PHS-AM-31844	p 374	A86-43444

PHS-DE-06007	p 374	A86-43444
PHS-EY-00220	p 19	A86-12061
PHS-NS-10940	p 414	A86-49871
PHS-RR-05425		
7770-777-00-720	p 195	A86-30405
DUC DOL NU COLOGO OL	p 414	A86-49871
PHS-R01-NU-001098-01	p 201	A86-30447
PHS-1-R01-NS22517-01	p 417	N86-32952
PHS-210-81-6103	p 52	A86-18841
PHS-223-78-6003	p 380	N86-29501
PHS-223-81-6014	p 380	N86-29501
RF PROJ. 76327/714794	p 383	N86-29505
RR0-401	p 108	N86-19826
RR0-4108	p 158	N86-21098
	p 159	N86-22084
	p 160	
RR0-4204		N86-22085
PP0.4206	p 42	N86-12972
RR0-4206	p 134	N86-18985
SNSF-3,128,081	p 281	A86-39098
SNSF-3,332,78	p 281	A86-39098
SNSF-3,364,082	p 281	A86-39098
SNSF-3,382,0,82	p 192	A86-30389
STC-80-5/I	p 427	N86-32095
S18-06	p 212	N86-24186
TA-83-SAC-02254	p 161	N86-22092
UKMRC-G821/3197N	p 94	A86-20900
USRIEM-M-10/86	p 257	N86-25979
USVA-7876-01P	p 396	A86-44194
W-31-109-ENG-38		
W-01-103-LNG-36	p 74	N86-14896
	p 85	N86-17979
W 740E ENC OC	p 398	N86-30308
W-7405-ENG-36	p 28	N86-12951
	p 158	N86-21100
	p 226	N86-24210
	p 249	N86-25977
	p 258	N86-25986
W-7405-ENG-48	p 4	N86-10737
	p 7	N86-11834
	p 17	N86-11847
	p 21	N86-11853
	p 64	N86-14883
	p 92	N86-16891
	p 241	N86-23281
	p 385	N86-28623
	p 435	N86-32105
	p 444	N86-33023
199-21-12-07	p 37	N86-12956
199-40-12	p 417	N86-32950
199-61-12	p 148	N86-19906
	p 434	N86-32101
199-70-32	p 92	N86-16889
199-80-42	p 3	N86-10734
199-99-00	p 39	
482-52-22		N86-13886
	p 46	N86-13900
505-35-11 505-35-13-06	p 436	N86-32976
303-33-13-00	p 42	N86-13892
505-67-11	p 292	N86-27920
	p 99	N86-16901
505-67-41	p 92	N86-16890
E06 44 40	p 379	N86-28613
506-41-4C	p 46	N86-13899
506-45-21-01	p 294	N86-26836
506-46-11-01	p 188	N86-22113
506-57-21	p 20	N86-10777
506-57-27-36	p 15	N86-10770
	p 22	N86-10785
506-64-31	p 99	N86-16902
805-94-00-01	p 375	N86-28606
828-62-00-71-73	- 004	N86-28291
OLO-OL-OO-7 1-70	p 384	

## **AEROSPACE MEDICINE AND BIOLOGY** / A Continuing Bibliography 1986 Cumulative Index

January 1987

### Typical Report Number Index Listing



Listings in this index are arranged alphanumerically by report number. The page number indicates the page on which the citation is located. The accession number denotes the number by which the citation is identified. An asterisk (\*) indicates that the item is a NASA report. A pound sign (#) indicates that the item is available on microfiche.

A-86057	p 92	N86-16890 * #
A-86113	p 92	N86-16889 * #
A-86132	p 148	N86-19906 * #
A-86147	p 375	N86-28606 * #
A-86182	p 379	N86-28613 * #
A-86218	p 436	N86-32976 * #
A-86233	p 417	N86-32950 * #
AAMRL-TR-85-019	p 172	N86-21112 #
AAMRL-TR-85-033	p 75	N86-14899 #
AAMRL-TR-85-055	p 187	N86-21148 #
AAMRL-TR-85-058	p 176	N86-22097 #
AAMRL-TR-85-060	p 213	N86-24189 #
AAMRL-TR-85-061	p 177	N86-22101 #
AAMRL-TR-85-062	p 443	N86-33019 #
AAMRL-TR-85-069	p 257	N86-25983 #
AAMRL-TR-85-070	p 258	N86-25984 #
AAMRL-TR-85-072	p 258	N86-25985 #
AAMRL-TR-86-006	p 401	N86-31210 #
AAS PAPER 84-117	p 73	A86-17320 #
_		
AAS 84-167	p 156	A86-28793 #
AAS 84-175	p 186	A86-28801 #
AAS 84-180	p 186	A86-28806 #
AAS 84-181	p 186	A86-28807 #
AAS 84-184	p 186	A86-28810 #
AAS 84-186	p 179	A86-28812 * #
AAS 84-187	p 162	A86-28813 #
AAS 84-188	p 179	A86-28814 #
ACSC-85-1750	p 42	N86-12968 #
.=		
AD-A156590	p 4	N86-10735 #
AD-A156597	p 22	N86-10786 #
AD-A156631	p 20	N86-10779 #
AD-A156642	p 29	N86-13880 #
AD-A156770	p 180	N86-21140 #
AD-A156772	p 93	N86-17981 #
AD-A156820	p 42	N86-12968 #
AD-A156899	p 28	N86-12950 #
AD-A156942	p 16	N86-11839 #
AD-A156969	p 23	N86-10787 #
AD-A156987	p 15	N86-10771 #
AD-A156988	p 23	N86-10788 #
AD-A157056	p 75	N86-14901 #
AD-A157090	p 38	N86-12959 #
AD-A157099	p 45	N86-12973 #
AD-A157417	p 16	N86-11841 #
AD-A157440	p 21	N86-11851 #
AD-A157452	p 16	N86-11842 #
AD-A157520		
AU-A157520	p 42	N86-12969 #
AD-A157542		N86-12969 # N86-11852 #

AD-A157620 ..... p 6

AD-A157623		n 17	N86-11844
AD-A157665		p 42	N86-12970
AD-A157680		p 53	N86-14839
AD-A157685	***************************************	p 62	N86-14872
AD-A157694 AD-A157734			N86-14873
AD-A157829		p 39 p 95	N86-13887 N86-16897
AD-A157843			N86-12971
AD-A157857 AD-A157897			N86-12960
AD-A157898			N86-16898 N86-16899
AD-A157965			N86-12961
AD-A157993 AD-A158007			N86-15899
AD-A158025	***************************************	p 67 p 46	N86-15900 N86-13901
AD-A158089		`	N86-15901
D-A158093		p 68	N86-15902
ND-A158097 ND-A158108		p 73 p 42	N86-15912 N86-12972
D-A158165		p 43	N86-13893
ND-A158197		p 43	N86-13894
AD-A158218 AD-A158252		p 29	N86-13881
AD-A158312		p 29 p 74	N86-13882 N86-14897
AD-A158316		p 76	N86-15916
AD-A158319		p 63	N86-14874
AD-A158386 AD-A158413		p 68 p 75	N86-15903 N86-14898
AD-A158428		p 83	N86-16876
AD-A158440		p 63	N86-14875
AD-A158536 AD-A158544	***************************************	p 63	N86-14876
AD-A158547		p 63 p 63	N86-14877 N86-14878
AD-A158556		p 38	N86-12963
ND-A158702 ND-A158725		p 63	N86-14879
AD-A158732	***************************************	p 70 p 43	N86-14888 N86-13895
D-A158735		p 43	N86-13896
D-A158741		p 40	N86-13888
ND-A158761 ND-A158799		p 75 p 68	N86-14899 N86-15906
D-A158800		p 40	N86-13889
D-A158849		p 40	N86-13890
D-A158871 D-A158919	***************************************	p 68 p 70	N86-15904 N86-14889
D-A158925	***************************************	p 68	N86-15905
D-A158951		p 53	N86-14840
ND-A158962 ND-A158976		p 69	N86-15907
ND-A158997	***************************************	р 76 р 71	N86-15917 N86-14890
AD-A159033		p 63	N86-14880
AD-A159055 AD-A159080		p 71	N86-14891
AD-A159080 AD-A159090	***************************************	р 73 р 40	N86-15913 N86-13891
D-A159099		p 69	N86-15908
ND-A159102	***************************************	p 69	N86-15909
ND-A159118 ND-A159149	***************************************	p 43 p 55	N86-13897 N86-15859
D-A159190	***************************************	p 71	N86-14892
AD-A159221		p 53	N86-14841
ND-A159345 ND-A159363	***************************************	p 73 p 83	N86-15914 N86-16877
AD-A159384	***************************************	p 99	N86-16904
AD-A159419		p 69	N86-15910
AD-A159466 AD-A159512		p 71	N86-14893
ND-A159555		p 53 p 72	N86-14842 N86-14894
ND-A159631	***************************************		N86-14881
AD-A159678			N86-18951
ND-A159698 ND-A159707		p 135 p 153	N86-19896 N86-19944
AD-A159720		p 114	N86-18961
D-A159728	***************************************		N86-18962
ND-A159806 ND-A159811			N86-17975 N86-17982
AD-A159920			N86-18980
AD-A159945		p 107	N86-18952
AD-A159996 AD-A160019			N86-19825 N86-17976
AD-A160059			N86-17976 N86-17977
AD-A160078			N86-18953
			MIGG 40004

AD-A160122

...... p 134 N86-18981

AD-A160154	***************************************	D	107	N86-18955	
AD-A160181			147	N86-18989	
AD-A160237	***************************************	Þ	107	N86-18956	
AD-A160271			108	N86-18957	
AD-A160274			108	N86-18958	
AD-A160345			126	N86-19887	
AD-A160360 AD-A160408	***************************************		108	N86-19826	
AD-A160417			115 134	N86-18963 N86-18982	
AD-A160418	***************************************		134	N86-18983	
AD-A160432			115	N86-18964	
AD-A160436			108	N86-18959	
AD-A160513			115	N86-18965	
AD-A160517		•	134	N86-18984	
AD-A160575 AD-A160580	***************************************		115	N86-18966	
AD-A160668			115 171	N86-18967 N86-21110	
AD-A160671	***************************************		180	N86-21141	
AD-A160679			1	A86-10252	
AD-A160687			171	N86-21111	
AD-A160704			116	N86-18968	
AD-A160740			116	N86-18969	
AD-A160744 AD-A160751	***************************************		116	N86-18970	
AD-A160775	***************************************		126 116	N86-19888 N86-18971	
AD-A160783		Þ	134	N86-18985	
AD-A160795	***************************************		116	N86-18972	
AD-A160796	***************************************		117	N86-18973	
AD-A160799	***************************************	p	117	N86-18974	
AD-A160801			117	N86-18975	
AD-A160813	***************************************		135	N86-19897	
AD-A160819 AD-A160820	••••••		135	N86-19898	
AD-A160821	***************************************		135	N86-19899	
AD-A160829			136 117	N86-19900 N86-18976	
AD-A160850	***************************************		134	N86-18986	
AD-A160861			135	N86-18987	
AD-A160876		P	136	N86-19901	
AD-A160881	***************************************	•	127	N86-19889	
AD-A160889 AD-A160919	***************************************		127	N86-19890	
AD-A160919	***************************************		117 127	N86-18977	
AD-A160943			1	N86-19891 A86-10101	
AD-A160944		p		A86-10254	
AD-A161015			136	N86-19902	
AD-A161053	***************************************		181	N86-22107	
AD-A161061		•	127	N86-19892	
AD-A161101 AD-A161107	***************************************		136	N86-19903	
AD-A161128			181 136	N86-22108 N86-19904	
AD-A161144	***************************************	p	127	N86-19893	
AD-A161152		þ	136	N86-19905	
AD-A161157	***************************************	Þ	127	N86-19894	
AD-A161164			154	N86-19945	
AD-A161213	***************************************	•	128	N86-19895	
AD-A161230 AD-A161234		•	109	N86-19827	
AD-A161266			154 18	N86-19946 A86-10258	
AD-A161280	***************************************	•	180	N86-21142	
AD-A161296	***************************************		235	N86-23279	
AD-A161331			159	N86-22082	
AD-A161362			181	N86-21143	
AD-A161364	***************************************		188	N86-22115	
AD-A161425 AD-A161538	***************************************		172	N86-21112	
AD-A161558			187	N86-21148 N86-22097	
AD-A161678			176	N86-22098	
AD-A161702			158	N86-21098	
AD-A161773	***************************************		182	N86-22109	
AD-A161811			159	N86-22083	
AD-A161836	***************************************		223	N86-24194	
AD-A161861 AD-A161867	***************************************	•	223	N86-24195	
AD-A161867 AD-A161877	***************************************		212 212	N86-24184 N86-24185	
AD-A161901	***************************************		212	N86-24186	
AD-A161911			223	N86-24196	
AD-A161923		P	223	N86-24197	
AD-A162001	***************************************		242	N86-24218	
AD-A162002		п	212	N86-24187	

AD-A162002 ......

..... p 212

AD-A162026 ...... p 242 N86-24219

AD-A162083 ...... p 235 N86-24214

AD-A162106 ...... p 224 N86-24199

AD-A162003 ...... p 223

N86-24198

AD-A162109 .	p 224	N86-24	200 #	# A	D-A165701	***************************************	n 382	N86_28617	#	AD E050704	- 00	NO. 40700	
	p 212					***************************************		N86-28608	#	AD-E950724	p 23	N86-10788	#
	p 242					***************************************		N86-29499	#	AD FERRING			
	p 224							N86-28622	#	AD-F620003		N86-19902	#
	p 242					***************************************		N86-28614	#	AD-F630624AD-F630701		N86-19891	#
	p 243							N86-28609	#	AD-1 030701	p /3	N86-15914	#
AD-A162321 .	p 224	N86-24	202 #					N86-30329	#	AD-P004882	n 163	N86-20628	4
AD-A162400 .	p 159	N86-22	084 #	* A	D-A165868	***************************************	p 397	N86-30304	#	AD-P004883	p 163		#
	p 160		085 #			***************************************		N86-30305	#	AD-P004901		N86-20638	#
	p 18 <sup>-</sup>		144 #			***************************************		N86-30330	#	AD-P004947		N86-14946	#
	p 17							N86-31210	#		F . •	1100 11010	π
	p 18/			# A	D-A166074		p 405	N86-31216	#	ADL-88860	75 ס	N86-14901	#
	p 17							N86-30331	#		•		"
	p 18							N86-30332	#	AF SAM-TR-84-339	p 253	A86-36313	#
	p 17					***************************************		N86-30333	#				
	p 18					***************************************		N86-30334	#	AFAMRL-TR-85-004		N86-12973	#
	p 19							N86-30306	#	AFAMRL-TR-85-013			#
	p 160					••••••		N86-31211	#	AFAMRL-TR-85-047	p 19	A86-11148	#
AD-A162725	p 16	) NOC-22	1007 #					N86-31212 N86-31213	# #	AEEEE (20)			
	p 16							A86-25655	#	AFESC/ESL-TR-84-17	p 153	N86-19944	#
	p 17					***************************************		N86-30307	π #	AFFEF 0/05	- 005	1100 0000	
AD-A162730	p 17	7 NR6-22	102 4			***************************************		N86-31207	#	AFFSE-2/85	p 385	N86-28622	#
AD-A162755	p 17	NAR-22	104					N86-31214	#	AEUDI TD 05 10	- 40	NO0 40000	
	p 17							N86-31221	#	AFHRL-TP-85-18	p 40		#
	p 22					***************************************		N86-31208	#	AFHRL-TP-85-23	p 223	N86-24194	#
AD-A162839	p 22	5 N86-24						N86-31209	#	AFHRL-TP-85-30	p 200	N86-25991	#
	p 21					***************************************		A86-29096	#	ACIT/CI/ND OF 100D	- 07	1100 45000	.,
	p 22							N86-32103	#	AFIT/CI/NR-85-100DAFIT/CI/NR-85-109T	p 6/	N86-15900	#
	p 23							N86-31217	#				#
	p 26							N86-32104	#	AFIT/CI/NR-85-116TAFIT/CI/NR-85-117T			#
	p 38							N86-32089	#	AFIT/CI/NR-85-1171		N86-19888	#
	p 24					***************************************		N86-32084	#			N86-19897	#
	p 22		,					N86-32090	#	AFIT/CI/NR-85-125T		N86-18975	#
	p 22							N86-32098	#	AFIT/CI/NR-85-126T		N86-18972	#
	p 25					***************************************		N86-32956	#	AFIT/CI/NR-85-127T		N86-18974	#
	p 27					***************************************		N86-32091	#	AFIT/CI/NR-85-128T		N86-18973	#
	p 26					***************************************		N86-32967	#	AFIT/CI/NR-85-132T		N86-19898	#
	p 24							N86-32968	#	AFIT/CI/NR-85-133D		N86-19899	#
	p 25					***************************************		N86-32092	#	AFIT/CI/NR-85-134D		N86-19900	#
	p 25		,					N86-32957	#	AFIT/CI/NR-85-141TAFIT/CI/NR-85-143D		N86-19889	#
	p 27							N86-32969	#	AFIT/CI/NR-85-35T		N86-18976	#
	p 29							N86-32970	#	AFIT/CI/NR-85-64T		N86-10787	#
	p 59							N86-32952	#	AFIT/CI/NR-85-73D		N86-15902	#
	p 70							N86-32971	#	AFIT/CI/NR-85-81D		N86-13901	#
	p 26					***************************************		N86-32972	#	AFIT/CI/NR-86-38T	P /3	N86-15912	#
	p 59					***************************************		N86-32958	#	AF117CI/NA-00-301	p 434	N86-32103	#
	p 26							N86-32959	#	AFIT/GE/ENG/85D-15	- 240	NOC OFOTO	ш
	p 28					***************************************		N86-33019	#	ATT/GE/ENG/65D-15	P 240	1400-239/2	#
	p 27							A86-36313	#	AFIT/GEM/LSB/85S-21	- 126	NOC 1000E	ш
	p 26					***************************************		N86-32960	#	ATT/ GEM/ E3B/ 803-21	p 130	1490-19903	#
	p 27					***************************************		N86-33020	#	AFIT/GLM/LSB/85S-2	n 125	NOC 10007	
	p 27					***************************************		N86-32973	#	AFTI7 GEW/ E3B/ 833-2	p 135	1400-10907	#
	p 24					***************************************		N86-32974	#	AFIT/GLM/LSM/85S-11	n 101	NGC 00107	м
	p 25					***************************************		N86-32961	#	ATT/ GEN/ COM/ 053-11	h ioi	1400-22107	#
	p 25					***************************************			#	AFIT/GSM/XPX/85S-24	n 242	NIGE 24221	4
AD-A164015	p 24	8 N86-25	5972	# A	ND-A168660	***************************************	p 186	A86-28865	#	74 117 GOM/ XI X/ 000-24	P 242	1400-24221	Ħ
	p 25							N86-32963	#	AFIT/GSO/ENG/85D-1	n 267	N86-25981	#
AD-A164083	p 26	6 N86-25						N86-32953	#		p 201	1100-23501	π
AD-A164099	p 25	7 N86-25	5981	# F	ND-A168832	***************************************	p 443	N86-33021	#	AFOSR-85-0572TR	n 43	N86-13896	#
AD-A164210	p 25	6 N86-25	5114	# P	AD-A168850		p 444	N86-33022	#	AFOSR-85-0575TR		N86-14890	#
AD-A164258	p 25	6 N86-25	5115	#						AFOSR-85-0639TR		N86-15907	#
	p 25		5982			- *************************************		N86-23278	#	AFOSR-85-0642TR			#
AD-A164508	p 24	8 N86-25	5973	# #	ND-B0931431		p 53	N86-14844	#	AFOSR-85-0661TR		N86-14880	#
	p 29		829					N86-14895	#	AFOSR-85-0662TR		N86-13897	#
	p 29		8837					N86-17994	#	AFOSR-85-0663TR		N86-15906	#
	p 29							N86-15911	#	AFOSR-85-0664TR	p 43	N86-13895	#
	p 28			# #	ND-B099924		p 415	N86-32082	#	AFOSR-85-0665TR		N86-14889	#
	p 29			#						AFOSR-85-0668TR	p 40	N86-13889	#
	p 29					***************************************		N86-10778	#	AFOSR-85-0706TR		N86-15908	#
	p 29							N86-12957	#	AFOSR-85-0741TR	p 115	N86-18963	#
	p 86					***************************************		N86-12958	#	AFOSR-85-0742TR		N86-18958	#
	p 29					········		N86-12974	#	AFOSR-85-0743TR		N86-18957	#
	p 14					***************************************		N86-12955	#	AFOSR-85-0746TR		N86-19887	#
	р 28					***************************************		N86-12962	#	AFOSR-85-1118TR		N86-22105	#
	p 29							N86-15897	#	AFOSR-85-1136TR		N86-22089	#
	p 28					***************************************		N86-18988	#	AFOSR-86-0059TR	p 404	N86-30333	#
	p 28								#	AFOSR-86-0083TR	p 405	N86-31216	#
	p 28					***************************************			#	AFOSR-86-0109TR	p 404	N86-30331	#
	p 28			**	AD-D012273				#	AFOSR-86-0110TR		N86-30332	#
	p 27				AD-D012299				#	AFOSR-86-0226TR	p 394	N86-31209	#
	p 27								#	AFOSR-86-0317TR		N86-32974	#
	p 29				-D-D012339		p 443	N86-33018	#	AFOSR-86-0325TR	p 428	N86-32973	#
				#	ND E204000		- 000	Non con co	,,				
	p 29			# /	ND E404075		p 295	N86-26840	#	AFRRI-ARR-19	p 379	N86-28614	#
	p 29			# #	ND E44000	***************************************	p 116		#				
	p 28			# #	ND E994499	***************************************	p 71	N86-14893	#	AFRRI-SR85-23	p 108	N86-18959	#
	p 29			# #	~D-E0001193		p 107	N86-18951	#	10100 00			
	p 25			# /	1D-E3004/0		p 95	N86-16898	#	AGARD-CP-379		N86-26802	#
	p 25			# /	10-E3004/0		p 95	N86-16899	#	AGARD-CP-396	p 398	N86-30309	#
	p 2/			# /	AD-E000544	•••••	p 402	N86-31211	#	****			
	p 26			# /	10-E000544		p 402	N86-31212	#	Al-M-811		N86-13893	#
	p 70								#	Al-M-823	p 43	N86-13894	#
	p 38					***************************************			#	Al-M-832	p 428	N86-32968	#
	p 38							N86-10771	#	AIAA DADED OF COOT		400	
1.5-A 100034	р эс	- 1400-28	0010	# /	າມ-⊑950724		p 23	N86-10787	#	AIAA PAPER 85-6067	p 73	A86-17602	#

AlAA PAPER 85-6090 p 26							
	A86-14386 #	B8563352 p 19	N86-10775	#	DEGE 040000		
AIAA PAPER 85-6092 p 50	A86-17607 * #	B8564052 p 16		#	DE85-013986 DE85-013994	P 18	N86-11849 #
AIAA PAPER 86-0250 p 182	A86-26616 #	B8565125 p 53		#	DE85-014178	p 45	N86-12975 #
AIAA PAPER 86-0321 p 98	A86-19811 * #	B8566436 p 72	N86-14895	#	DE85-014181	P /	N86-11834 #
AIAA PAPER 86-0583 p 79	A86-19963 * #	B8575498 p 27	7 N86-26795	#	DE85-014308	p 4	N86-10737 #
AIAA PAPER 86-1175 p 384		B8661085 p 43	5 N86-32106	#	DE85-014309		N86-12976 #
AIAA PAPER 86-2090 p 429		p 40	0 1100-02100	π	DE85-014310		N86-11835 # N86-11855 #
AIAA PAPER 86-2185 p 429		CAORF-16-8122-02 p 42-	4 N86-32956	#	DE85-014313	n 7	N86-11836 #
AIAA PAPER 86-2252 p 426				"	DE85-014555		N86-11847 #
AIAA PAPER 86-2300 p 434		CAR-TR-119 p 67	N86-15901	#	DE85-014616	p 4	N86-10736 #
AIAA PAPER 86-2303 p 397		•			DE85-014681	p 83	N86-16878 #
AIAA PAPER 86-2310 p 407		CERL-TR-N-85/14 p 18	2 N86-22110	#	DE85-014695	p 17	N86-11846 #
AIAA PAPER 86-2312 p 407				"	DE85-014728	p 17	N86-11848 #
AIAA PAPER 86-2313 p 407		CERL-85-2-ONR p 95	N86-16898	#	DE85-015047	p 64	N86-14882 #
AIAA PAPER 86-2316 p 407 AIAA PAPER 86-2317 p 407		CERL-85-3-ONR p 95	N86-16899	#	DE85-015070		N86-12953 #
AIAA PAPER 86-2337 p 407					DE85-015176		N86-23281 #
AIAA PAPER 86-2346 p 393	A86-49560 # A86-46960 #	CEV-70-209 p 38	6 N86-29512	#	DE85-015225	p 28	N86-12952 #
7/7/17/12/100-20-40 p 383	700-40 <del>3</del> 00 #	000504404			DE85-015672	p 28	N86-12951 #
AMD-TR-86-001 p 423	N86-32090 #	CONF-841041-2 p 28		#	DE85-015835	p 55	N86-15860 #
	.155 52555 #	CONF-850211-12 p 4 CONF-8503159-1 p 55	N86-10736	#	DE85-016062	p 55	N86-15861 #
AMRL-TR-85-039 p 180	N86-21140 #	CONF-8504132-1 p 55	N86-15860	#	DE85-016084	p 64	N86-14883 #
•		CONF-8504140-1 p 21		#	DE85-016121	P 411	N86-30346 #
AMTE(M)-84520 p 84	N86-17974 #	CONF-8504170-1		#	DE85-016297 DE85-016336	p 55	N86-15862 #
		CONF-8504206-1 p 39	8 N86-30308	#	DE85-016353	p 92	N86-16892 #
ANL-84-100 p 74	N86-14896 #	CONF-850425-5 p 38	6 N86-29513	• #	DE85-016834	p 50	N86-13884 # N86-14843 #
		CONF-850453-2 p 64		#	DE85-017542	p 35	N86-14843 # N86-21100 #
APL-86-1 p 383	N86-29505 * #	CONF-850506-9 p 17		#	DE85-017601	D 03	N86-16893 #
		CONF-8505213-1 p 27	8 N86-27868	#	DE85-017713		N86-17990 #
AR-1 p 176		CONF-850577-1 p 15	N86-10772	#	DE85-017720		N86-17989 #
AR-2 p 43	N86-13895 #	CONF-8506123-7 p 7	N86-11836	#	DE85-017723	p 85	N86-17978 #
AR-2 p 416		CONF-8506136-1 p 39	N86-12965	#	DE85-017764	p 92	N86-16891 #
AR-3 p 71	N86-14890 #	CONF-8506137-11 p 30	N86-13884	 #	DE85-018349	p 85	N86-17979 #
ADE(MA) THE CORE		CONF-8506137-1 p 6	N86-11833	#	DE85-902185	p 148	N86-18990 * #
ARE(M6)-TM-83818 p 99	N86-17987 #	CONF-8506137-3 p 7	N86-11834	#	DE85-902186	p 386	N86-29513 * #
ARI-RN-85-103 p 427	NOC 00007 #	CONF-8506137-4 p 4	N86-10737	#	DE86-000317	p 118	N86-18978 #
ARI-RN-85-20		CONF-8506137-5 p 17	N86-11847	#	DE86-000327	p 221	N86-23269 #
ARI-RN-86-30 p 405		CONF-8506137-6 p 7	N86-11835	#	DE86-001181	p 278	N86-27868 #
ARI-RN-86-32 p 403		CONF-8506137-9 p 64		#	DE86-001457	p 172	N86-21113 #
ARI-RN-86-33 D 434		CONF-8506139-1 p 18	N86-11849	#	DE86-001625	p 160	N86-22090 #
ARI-RN-86-41 p 428	N86-32969 #	CONF-8506148-1 p 75 CONF-8506148-2 p 23		#	DE86-001639	p 161	N86-22091 #
·	"	CONF-8506148-3 p 46	N86-11855 N86-12976	#	DE86-001727 DE86-001773	p 150	N86-21101 #
ARI-RP-85-04 p 74	N86-14897 #	CONF-8506155 p 92	N86-16892	#	DE86-001804	p 158	N86-21102 # N86-21099 #
ARI-RP-85-05 p 76	N86-15916 #	CONF-8506187-2 D 11		#	DE86-002161	D 225	N86-24208 #
ADI TO SEO	\$100 4 100 t #	CONF-850784-1 p 28		#	DE86-002201	p 221	N86-23270 #
ARI-TR-653 p 72 ARI-TR-687 p 134	N86-14894 #	CONF-850784-2 p 15	8 N86-21100	#	DE86-002204	p 222	N86-23271 #
жин-ост р 134	N86-18982 #	CONF-8508116-1 p 55		#	DE86-002239	p 225	N86-24209 #
ARL/SYS-R-29 p 23	N86-10788 #	CONF-8508145-1 p 21:		#	DE86-002264	p 209	N86-23219 #
тигототте пини ред	N86-10788 #	CONF-8509156-1 p 100	0 N86-17990	#	DE86-002403	p 249	N86-25977 #
ARO-18310.16-CH p 375	N86-28607 #	CONF-8509156-2 p 100	0 N86-17989	#	DE86-002587	p 209	N86-23221 #
ARO-18828.2-LS-S p 107		CONF-8510157-1 p 85 CONF-8510225-1 p 24		#	DE86-002966	p 213	
ARO-19016.14-LS p 256		CONF-851027-2 p 15		# #	DE86-003285 DE86-003296	p 226	N86-24210 # N86-25986 #
ARO-19065.16-MA p 265	N86-25120 #	CONF-851065-1 p 22		#	DE86-003453	n 400	N86-31222 #
451 450 40 0		CONF-851068-2 p 22	5 N86-24209	#	DE86-003748	p 310	N86-27923 #
ASI-479-19-2 p 427	N86-32967 #	CONF-851068-3 p 22		#	DE86-004041	p 398	N86-30308 #
ASME PAPER 85-GT-34 p 80	400.00000 "	CONF-8511143-1 p 310		#	DE86-005067	p 390	N86-29533 #
ASME PAPER 86-GT-296 p 433	A86-22023 #	CONF-860107-1 p 24		#	DE86-005160	D 408	N86-30340 #
AOME PAPER 80-01-290 p 433	A86-48309 #	CONF-860210-3 p 403	2 N86-31215	#	DE86-005362	P 400	
				,,		p 411	N86-30344 #
ATR-2 5.136	NDC 10007 #	CONF-8603109-3 p 42		#	DE86-005363	p 411 p 411	N86-30345 #
ATR-2 p 126	N86-19887 #	CONF-860415-2 p 400	8 N86-30340		DE86-005363 DE86-005760	p 411 p 411 p 385	N86-30345 # N86-28623 #
		CONF-860415-2 p 400 CONF-8604159-1 p 430	8 N86-30340 5 N86-32105	 # # #	DE86-005363	p 411 p 411 p 385 p 411	N86-30345 # N86-28623 # N86-30347 #
ATR-2 p 126 BAE-JS-10009 p 221		CONF-860415-2 p 400	8 N86-30340 5 N86-32105	 # # #	DE86-005363	p 411 p 411 p 385 p 411 p 402	N86-30345 # N86-28623 # N86-30347 # N86-31215 #
BAE-JS-10009 p 221	N86-23268 #	CONF-860415-2 p 40: CONF-8604159-1 p 43: CONF-860470-1 p 40:	8 N86-30340 5 N86-32105 9 N86-31222	 # # #	DE86-005363 DE86-005760 DE86-005807 DE86-007734 DE86-008181	p 411 p 411 p 385 p 411 p 402 p 409	N86-30345 # N86-28623 # N86-30347 # N86-31215 # N86-31223 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188	N86-23268 # N86-22115 #	CONF-860415-2 p 400 CONF-8604159-1 p 430	8 N86-30340 5 N86-32105 9 N86-31222	 # # #	DE86-005363 DE86-005760 DE86-005807 DE86-007734 DE86-008181 DE86-008182	p 411 p 411 p 385 p 411 p 402 p 409 p 409	N86-30345 # N86-28623 # N86-30347 # N86-31215 # N86-31223 # N86-31224 #
BAE-JS-10009 p 221	N86-23268 # N86-22115 #	CONF-860415-2 p 40: CONF-8604159-1 p 43: CONF-860470-1 p 40: COO-4957-5 p 93	8 N86-30340 15 N86-32105 19 N86-31222 N86-16893	 # # # #	DE86-005363 DE86-005760 DE86-005807 DE86-007734 DE86-006181 DE86-008182 DE86-008183	P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409	N86-30345 # N86-28623 # N86-30347 # N86-31215 # N86-31223 # N86-31224 # N86-31225 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224	N86-23268 # N86-22115 # N86-24199 #	CONF-860415-2 p 40: CONF-8604159-1 p 43: CONF-860470-1 p 40:	8 N86-30340 15 N86-32105 19 N86-31222 N86-16893	 # # #	DE86-005363 DE86-005760 DE86-005807 DE86-007734 DE86-008181 DE86-008182 DE86-008183 DE86-008184	P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409	N86-30345 # N86-28623 # N86-30347 # N86-31215 # N86-31223 # N86-31224 # N86-31225 # N86-31226 #
BAE-JS-10009	N86-23268 # N86-22115 # N86-24199 # N86-21104 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430	8 N86-30340 15 N86-32105 19 N86-31222 N86-16893 N86-13897	.######################################	DE86-005363 DE86-005760 DE86-005807 DE86-007734 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402	P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409 P 435	N86-30345 # N86-28623 # N86-30347 # N86-31215 # N86-31223 # N86-31224 # N86-31225 # N86-31226 # N86-31205 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224	N86-23268 # N86-22115 # N86-24199 # N86-21104 #	CONF-860415-2 p 40: CONF-8604159-1 p 43: CONF-860470-1 p 40: COO-4957-5 p 93	8 N86-30340 15 N86-32105 19 N86-31222 N86-16893 N86-13897	 # # # #	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008182 DE86-008184 DE86-009402 DE86-009632	P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409 P 409 P 435 P 416	N86-30345 # N86-28623 # N86-30347 # N86-31215 # N86-31223 # N86-31224 # N86-31225 # N86-31226 # N86-32105 # N86-32085 #
BAE-JS-10009	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430	8 N86-30340 N86-32105 N86-31222 N86-16893 N86-13897 N86-13881	.######################################	DE86-005363 DE86-005760 DE86-005807 DE86-007734 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402	p 411 p 411 p 385 p 411 p 402 p 409 p 409 p 409 p 409 p 435 p 416 p 416	N86-30345 # N86-28623 # N86-31215 # N86-31223 # N86-31225 # N86-31226 # N86-32105 # N86-32085 # N86-32085 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022.090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-15860 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29	8 N86-30340 N86-32105 N86-31222 N86-16893 N86-13887 N86-13881 S N86-25119	.##### # # #	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-009632 DE86-010287 DE86-010287	P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409 P 409 P 416 P 416 P 425	N86-30345 # N86-28623 # N86-30347 # N86-31215 # N86-31224 # N86-31225 # N86-31226 # N86-32085 # N86-32086 # N86-32084 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022-090) p 187 BLL-GE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36837 p 118	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-15860 # N86-18978 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71	88 N86-30340 N86-32105 9 N86-31222 1 N86-16893 1 N86-13897 N86-13881 1 N86-25119 N86-14893	****** * * * * * *	DE86-005363 DE86-005760 DE86-005807 DE86-007734 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009632 DE86-009632 DE86-010287	P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409 P 435 P 416 P 425 P 444	N86-30345 # N86-28623 # N86-30347 # N86-31225 # N86-31224 # N86-31226 # N86-31226 # N86-32085 # N86-32086 # N86-32086 # N86-32084 # N86-33023 #
BAE-JS-10009	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-18960 # N86-18978 # N86-18978 # N86-21101 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260	88 N86-30340 N86-32105 9 N86-31222 1 N86-16893 1 N86-13897 N86-13881 1 N86-25119 N86-14893	******	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010287 DE86-010287 DE86-010287 DE86-010561 DE86-901038	P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409 P 409 P 416 P 416 P 425 P 444 P 412	N86-30345 # N86-28623 # N86-30347 # N86-31225 # N86-31224 # N86-31225 # N86-31226 # N86-32056 # N86-32066 # N86-32064 # N86-33023 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022.090) p 170 BLL-CE-TRANS-8223-(9022.09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37087 p 278	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-15860 # N86-18978 # N86-21101 # N86-27868 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71 CS-TR-1494 p 67	88 N86-30340 N86-32105 99 N86-31222 N86-16893 N86-13897 N86-13881 55 N86-25119 N86-14893 N86-15901	*****	DE86-005363 DE86-005760 DE86-005807 DE86-007734 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010567 DE86-010567 DE86-010567 DE86-010561 DE86-901038	P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409 P 409 P 409 P 416 P 416 P 416 P 412 P 20	N86-30345 # N86-28623 # N86-30347 # N86-31225 # N86-31224 # N86-31225 # N86-31226 # N86-32056 # N86-32066 # N86-32064 # N86-33023 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022-09) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37087 p 278 BNL-37795 p 245	N86-23268 #  N86-22115 #  N86-24199 #  N86-21104 #  N86-21166 #  N86-18978 #  N86-21101 #  N86-27868 #  N86-32964 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71	88 N86-30340 N86-32105 99 N86-31222 N86-16893 N86-13897 N86-13881 55 N86-25119 N86-14893 N86-15901	*****	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-007734 DE86-008182 DE86-008182 DE86-008183 DE86-009402 DE86-009632 DE86-010567 DE86-010567 DE86-010567 DE86-010587 DE86-010587 DE86-010587 DE86-010587 DE86-010589 DEVLR-FB-85-20 DFVLR-FB-85-21	P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409 P 409 P 435 P 416 P 416 P 425 P 444 P 412	N86-30345 # N86-28623 # N86-31215 # N86-31223 # N86-31225 # N86-31226 # N86-32065 # N86-32085 # N86-32086 # N86-32084 # N86-30348 # N86-10780 # N86-10780 # N86-10781 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022.090) p 170 BLL-CE-TRANS-8223-(9022.09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37087 p 278	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-15860 # N86-18978 # N86-21101 # N86-27868 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 1400	88 N86-30340 N86-32105 9 N86-31222 N86-16893 N86-13881 N86-13881 5 N86-25119 N86-14893 N86-15901 8 N86-18990	*****	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010287 DE86-010287 DE86-010561 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-21	P 411 P 411 P 411 P 402 P 409 P 409 P 409 P 409 P 409 P 416 P 416 P 416 P 412 P 20 P 20 P 427	N86-30345 # N86-28623 # N86-31215 # N86-31224 # N86-31225 # N86-31225 # N86-31205 # N86-32085 # N86-32086 # N86-32084 # N86-30348 # N86-30348 # N86-10780 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022.090) p 170 BLL-CE-TRANS-8223-(9022.09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37795 p 278 BNL-37795 p 425 BNL-51882 p 17	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-15860 # N86-18978 # N86-21101 # N86-27868 # N86-27868 # N86-32964 # N86-11846 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71 CS-TR-1494 p 67	88 N86-30340 N86-32105 9 N86-31222 1 N86-16893 1 N86-13881 1 N86-13881 1 N86-25119 N86-14893 1 N86-15901 8 N86-18990	*****	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010287 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-21	P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409 P 409 P 416 P 416 P 416 P 412 P 20 P 20 P 20 P 20 P 27 P 56	N86-30345 # N86-28623 # N86-30347 # N86-31215 # N86-31224 # N86-31225 # N86-31225 # N86-31206 # N86-32086 # N86-32086 # N86-32084 # N86-30348 # N86-10780 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022-09) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37087 p 278 BNL-37795 p 245	N86-23268 #  N86-22115 #  N86-24199 #  N86-21104 #  N86-21166 #  N86-18978 #  N86-21101 #  N86-27868 #  N86-32964 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 140 CWI-AM-R8418 p 53	88 N86-30340 N86-32105 N86-31222 N86-16893 N86-13897 N86-13881 N86-13881 N86-25119 N86-14893 N86-15901 N86-18990 N86-14844	*****	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-007734 DE86-008181 DE86-008182 DE86-008182 DE86-009402 DE86-009632 DE86-010567 DE86-010567 DE86-010587 DE86-010587 DE96-10588-010588	P 411 P 411 P 415 P 411 P 402 P 409 P 409 P 409 P 409 P 409 P 416 P 416 P 412 P 20 P 20 P 427 P 56 P 416	N86-30345 # N86-28623 # N86-30347 # N86-31225 # N86-31226 # N86-31226 # N86-31266 # N86-32085 # N86-32085 # N86-32084 # N86-30348 #  N86-10780 # N86-10781 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022.090) p 170 BLL-CE-TRANS-8223-(9022.09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37795 p 278 BNL-37795 p 425 BNL-51882 p 17	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-18978 # N86-18978 # N86-27868 # N86-32964 # N86-11846 # N86-18480 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 1400	88 N86-30340 N86-32105 N86-31222 N86-16893 N86-13897 N86-13881 N86-13881 N86-25119 N86-14893 N86-15901 N86-18990 N86-14844	*****	DE86-005363 DE86-005760 DE86-005760 DE86-005807 DE86-007734 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010287 DE86-010287 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-43	P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409 P 409 P 416 P 416 P 416 P 425 P 444 P 20 P 20 P 427 P 56 P 416 P 417	N86-30345 # N86-28623 # N86-30347 # N86-31223 # N86-31225 # N86-31226 # N86-32085 # N86-32085 # N86-30034 # N86-10780 # N86-10
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022-090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37097 p 278 BNL-37795 p 278 BNL-37795 p 278 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-15860 # N86-15860 # N86-21101 # N86-27868 # N86-27868 # N86-32964 # N86-11846 # N86-11846 #	CONF-860415-2 p 40: CONF-8604159-1 p 43: CONF-860470-1 p 40: COO-4957-5 p 93 CPL-85-1 p 43: CRDC-CR-84131 p 29 CRJP-255A p 26: CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 14: CWI-AM-R8418 p 53 CWI-CS-R8516 p 27	88 N86-30340 N86-32105 9 N86-31222 N86-16893 N86-13881 S N86-13881 N86-14893 N86-15901 N86-18990 N86-14844 N86-26795	*****	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-007734 DE86-008181 DE86-008182 DE86-008182 DE86-009402 DE86-009632 DE86-010567 DE86-010567 DE86-010587 DE86-010587 DE96-10588-010588	P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409 P 409 P 416 P 416 P 416 P 425 P 444 P 20 P 20 P 427 P 56 P 416 P 417	N86-30345 # N86-28623 # N86-30347 # N86-31225 # N86-31226 # N86-31226 # N86-31266 # N86-32085 # N86-32085 # N86-32084 # N86-30348 #  N86-10780 # N86-10781 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022.090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-3795 p 425 BNL-3795 p 425 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385 BRDC-2418 p 99	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-18978 # N86-18978 # N86-27868 # N86-32964 # N86-11846 # N86-18480 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 140 CWI-AM-R8418 p 53 CWI-CS-R8516 p 27 DCIEM-85-R-31 p 220	88 N86-30340 N86-32105 N86-31222 N86-16893 N86-13897 N86-13881 N86-13881 N86-14893 N86-14893 N86-14990 N86-14844 7 N86-26795 N86-24195	*****	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008182 DE86-008184 DE86-009632 DE86-009632 DE86-010567 DE86-010567 DE86-010567 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-44	P 411 P 411 P 411 P 385 P 411 P 402 P 409 P 409 P 409 P 405 P 416 P 416 P 416 P 427 P 56 P 416 P 73 P 56	N86-30345 # N86-28623 # N86-31255 # N86-31224 # N86-31225 # N86-31226 # N86-32085 # N86-32085 # N86-32086 # N86-32086 # N86-30348 # N86-10781 # N86-10
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022.090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36937 p 158 BNL-3795 p 425 BNL-3795 p 425 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385 BRDC-2418 p 99 BR94139 p 99 BR94710 p 84	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-15860 # N86-18978 # N86-21101 # N86-27668 # N86-32964 # N86-11846 # N86-14880 # N86-28621 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 430 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 140 CWI-AM-R8418 p 53 CWI-CS-R8516 p 27  DCIEM-85-R-31 p 220 COI-M-85-R-31 p 220	88 N86-30340 N86-32105 9 N86-31222 1 N86-16893 1 N86-13887 N86-13881 15 N86-25119 N86-14893 1 N86-15901 18 N86-18990 1 N86-14844 17 N86-26795 13 N86-24195 17 N86-19892	*****	DE86-005363 DE86-005760 DE86-005760 DE86-005807 DE86-007734 DE86-008181 DE86-008182 DE86-008182 DE86-008183 DE86-009402 DE86-010287 DE86-010287 DE86-010561 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-44 DFVLR-FB-85-44	P 411 P 411 P 485 P 411 P 409 P 409 P 409 P 409 P 435 P 416 P 425 P 444 P 412 P 20 P 20 P 427 P 56 P 416 P 56 P 56 P 56 P 56 P 56 P 73 P 56 P 73 P 56	N86-30345 # N86-28623 # N86-31215 # N86-31224 # N86-31225 # N86-31225 # N86-31205 # N86-32085 # N86-32085 # N86-32084 # N86-3023 # N86-30348 # N86-30348 # N86-30348 # N86-3086 # N86-3086 # N86-3086 # N86-3086 # N86-3087 # N86-35864 # N86-35915 # N86-35915 # N86-15864 # N86-29514 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022-090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37097 p 278 BNL-37795 p 425 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385 BR94139 p 99 BR94710 p 84 BR94710 p 209	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-18978 # N86-18978 # N86-2101 # N86-27868 # N86-32964 # N86-11846 # N86-14880 # N86-14880 #	CONF-860415-2 p 40: CONF-8604159-1 p 43: CONF-860470-1 p 40: COO-4957-5 p 93 CPL-85-1 p 43 CRDC-CR-84131 p 29 CRJP-255A p 26: CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 14: CWI-AM-R8418 p 53 CWI-CS-R8516 p 27: CCIEM-85-R-31 p 22: DCIEM-85-R-32 p 12: DCIEM-85-R-49 p 25:	88 N86-30340 N86-312105 9 N86-31222 1 N86-16893 1 N86-13881 15 N86-13881 16 N86-14893 17 N86-15901 18 N86-18990 18 N86-18990 18 N86-18990 18 N86-26795 18 N86-24195 17 N86-24195 17 N86-19892 18 N86-25113	*****	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008182 DE86-008184 DE86-009632 DE86-009632 DE86-010567 DE86-010567 DE86-010567 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-44	P 411 P 411 P 485 P 411 P 409 P 409 P 409 P 409 P 435 P 416 P 425 P 444 P 412 P 20 P 20 P 427 P 56 P 416 P 56 P 56 P 56 P 56 P 56 P 73 P 56 P 73 P 56	N86-30345 # N86-28623 # N86-31215 # N86-31224 # N86-31225 # N86-31225 # N86-31205 # N86-32085 # N86-32085 # N86-32084 # N86-3023 # N86-30348 # N86-30348 # N86-30348 # N86-3086 # N86-3086 # N86-3086 # N86-3086 # N86-3087 # N86-35864 # N86-35915 # N86-35915 # N86-15864 # N86-29514 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022-090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37087 p 278 BNL-37795 p 425 BNL-3795 p 425 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385 BR94139 p 99 BR94710 p 84 BR94716 p 221	N86-23268 #  N86-22115 #  N86-24199 #  N86-21104 #  N86-21146 #  N86-18978 #  N86-18978 #  N86-2101 #  N86-232964 #  N86-14880 #  N86-14880 #  N86-14880 #  N86-17974 #  N86-17974 #  N86-17977 #  N86-17974 #  N86-23217 #  N86-23217 #  N86-23218 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 430 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 140 CWI-AM-R8418 p 53 CWI-CS-R8516 p 27  DCIEM-85-R-31 p 220 COI-M-85-R-31 p 220	88 N86-30340 N86-32105 N86-31222 N86-16893 N86-13897 N86-13881 N86-13881 N86-14893 N86-14893 N86-14894 N86-14844 N86-26795 N86-26795 N86-25113	*****	DE86-005363 DE86-005760 DE86-005760 DE86-005807 DE86-007734 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010547 DE86-010547 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-40 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41	P 411 P 411 P 411 P 409 P 409 P 409 P 409 P 409 P 409 P 405 P 416 P 416 P 416 P 412 P 20 P 427 P 56 P 417 P 56 P 417 P 56 P 417 P 56 P 418 P 56 P 419 P 56 P 56 P 57 P 57 P 56 P 57 P 57 P 57 P 57 P 57 P 57 P 57 P 57	N86-30345 # N86-28623 # N86-31215 # N86-31225 # N86-31225 # N86-31225 # N86-31205 # N86-32085 # N86-32086 # N86-32084 # N86-30048 # N86-10780 # N86-2091 # N86-32099 N86-15864 # N86-32097 # N86-15915 # N86-15915 # N86-15915 # N86-15915 # N86-29514 # N86-29514 # N86-29514 # N86-29514 # N86-32975 # A86-34573
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022.090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37087 p 278 BNL-37795 p 425 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385 BR94139 p 99 BR94710 p 84 BR94716 p 209 BR94986 p 221 BR95132 p 99	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-15860 # N86-18978 # N86-27868 # N86-27868 # N86-31846 # N86-1846 # N86-18480 # N86-17967 # N86-23217 # N86-23268 # N86-17974 # N86-23217 # N86-23268 # N86-17988 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 400 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 140 CWI-AM-R8418 p 53 CWI-CS-R8516 p 270 DCIEM-85-R-31 p 225 DCIEM-85-R-99 p 250 DCIEM-85-R-99 p 250 DCIEM-85-R-51 p 250	88 N86-30340 N86-32105 9 N86-31222 N86-16893 N86-13881 5 N86-13881 15 N86-25119 N86-14893 N86-15901 8 N86-18990 1 N86-14844 7 N86-26795 3 N86-24195 7 N86-24195 17 N86-25113 N86-251114	***** * * * * * * * * * * * * * * * * *	DE86-005363 DE86-005760 DE86-005760 DE86-005807 DE86-007734 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010547 DE86-010547 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-40 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41	P 411 P 411 P 411 P 409 P 409 P 409 P 409 P 409 P 409 P 405 P 416 P 416 P 416 P 412 P 20 P 427 P 56 P 417 P 56 P 417 P 56 P 417 P 56 P 418 P 56 P 419 P 56 P 56 P 57 P 57 P 56 P 57 P 57 P 57 P 57 P 57 P 57 P 57 P 57	N86-30345 # N86-28623 # N86-31215 # N86-31225 # N86-31225 # N86-31225 # N86-31205 # N86-32085 # N86-32086 # N86-32084 # N86-30048 # N86-10780 # N86-2091 # N86-32099 N86-15864 # N86-32097 # N86-15915 # N86-15915 # N86-15915 # N86-15915 # N86-29514 # N86-29514 # N86-29514 # N86-29514 # N86-32975 # A86-34573
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022-090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36837 p 118 BNL-36992 p 158 BNL-37097 p 278 BNL-37795 p 425 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385 BR94139 p 99 BR94710 p 84 BR94710 p 84 BR94710 p 84 BR94710 p 84 BR94716 p 209 BR94986 p 221 BR95132 p 98	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-15860 # N86-18978 # N86-21101 # N86-27868 # N86-21104 # N86-11846 # N86-11846 # N86-1987 # N86-17977 # N86-17977 # N86-23268 # N86-17988 # N86-23268 # N86-17988 #	CONF-860415-2 p 40: CONF-8604159-1 p 43: CONF-860470-1 p 40: COO-4957-5 p 93 CPL-85-1 p 43 CRDC-CR-84131 p 29 CRJP-255A p 26: CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 14: CWI-AM-R8418 p 53 CWI-CS-R8516 p 27: CCIEM-85-R-31 p 22: DCIEM-85-R-32 p 12: DCIEM-85-R-49 p 25:	88 N86-30340 N86-32105 N86-31222 N86-16893 N86-13897 N86-13881 N86-13881 N86-14893 N86-14893 N86-14894 N86-14844 N86-26795 N86-26795 N86-25113 N86-25114 N86-25114 N86-25114	*****	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010287 DE86-010287 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-43 DFVLR-FB-85-43 DFVLR-FB-85-44 DFVLR-MITT-86-01 DGLR PAPER 85-126 DGLR PAPER 85-126	P 411 P 411 P 411 P 385 P 411 P 409 P 409 P 409 P 409 P 409 P 435 P 416 P 425 P 444 P 412 P 20 P 427 P 56 P 73 P 56 P 387 P 429 P 245 P 269	N86-30345 # N86-28623 # N86-31255 # N86-31225 # N86-31226 # N86-31226 # N86-32085 # N86-32085 # N86-32086 # N86-32086 # N86-32084 # N86-30348 # N86-30348 # N86-32097 # N86-15864 # N86-32975 # N86-15864 # N86-32975 # A86-35185 # A86-35185 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022.090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37087 p 278 BNL-37795 p 425 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385 BR94139 p 99 BR94710 p 84 BR94716 p 209 BR94986 p 221 BR96132 p 99 BR95294 p 235 BR96591 p 95	N86-23268 #  N86-22115 #  N86-24199 #  N86-21104 #  N86-21146 #  N86-18978 #  N86-18978 #  N86-2101 #  N86-232964 #  N86-14880 #  N86-14880 #  N86-14880 #  N86-17974 #  N86-17974 #  N86-17974 #  N86-17974 #  N86-23268 #  N86-17988 #  N86-23278 #  N86-16900 #	CONF-860415-2 p 40: CONF-8604159-1 p 43: CONF-860470-1 p 40: COO-4957-5 p 93  CPL-85-1 p 43  CRDC-CR-84131 p 29  CRJP-255A p 26: CRJP-257 p 71  CS-TR-1494 p 67  CSI-85-01 p 14: CWI-AM-R8418 p 53  CWI-CS-R8516 p 27: CSI-85-R-31 p 22: CIEM-85-R-32 p 12: COIEM-85-R-32 p 12: COIEM-85-R-49 p 25: CDIEM-85-R-49 p 25: CDIEM-85-R-51	88 N86-30340 N86-3105 N86-31105 N86-31222 N86-16893 N86-13887 N86-13881 N86-13883 N86-14893 N86-14893 N86-14894 N86-14844 N86-14844 N86-26795 N86-24195 N86-25113 N86-25113 N86-25114 N86-23220	*****	DE86-005363 DE86-005760 DE86-005760 DE86-005807 DE86-007734 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010547 DE86-010547 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-40 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41 DFVLR-FB-85-41	P 411 P 411 P 411 P 385 P 411 P 409 P 409 P 409 P 409 P 409 P 435 P 416 P 425 P 444 P 412 P 20 P 427 P 56 P 73 P 56 P 387 P 429 P 245 P 269	N86-30345 # N86-28623 # N86-31255 # N86-31225 # N86-31226 # N86-31226 # N86-32085 # N86-32085 # N86-32086 # N86-32086 # N86-32084 # N86-30348 # N86-30348 # N86-32097 # N86-15864 # N86-32975 # N86-15864 # N86-32975 # A86-35185 # A86-35185 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022-090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36837 p 118 BNL-36992 p 158 BNL-37097 p 278 BNL-37795 p 425 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385 BR94139 p 99 BR94710 p 84 BR94710 p 84 BR94710 p 84 BR94710 p 84 BR94716 p 209 BR94986 p 221 BR95132 p 98	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-18978 # N86-18978 # N86-2101 # N86-27868 # N86-32964 # N86-11846 # N86-14880 # N86-17987 # N86-23217 # N86-23217 # N86-23218 # N86-17988 # N86-23278 # N86-323278 # N86-17988 # N86-23278 #	CONF-860415-2	88 N86-30340 N86-32105 N86-32105 N86-31222 N86-16893 N86-13887 N86-13881 S N86-25119 N86-14893 N86-14893 N86-14844 N86-26795 N86-26795 N86-25113 N86-25114 N86-13883 N86-13883 N86-13883 N86-13885 N86-12965	******	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010287 DE86-010561 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-41 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44	P 411 P 411 P 411 P 411 P 409 P 409 P 409 P 409 P 409 P 409 P 405 P 416 P 416 P 412 P 20 P 20 P 20 P 20 P 387 P 56 P 416 P 73 P 56 P 387 P 429 P 245 P 245 P 245 P 245	N86-30345 # N86-28623 # N86-31225 # N86-31225 # N86-31225 # N86-31225 # N86-31260 # N86-32086 # N86-32086 # N86-32084 # N86-30034 # N86-10780 # N86-10780 # N86-10780 # N86-15915 # N86-32097 # N86-15915 # N86-32975 # A86-34573 # A86-34573 # A86-35185 # A86-47766 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022-090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37097 p 278 BNL-37795 p 425 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385 BR94139 p 99 BR94710 p 84 BR94710 p 84 BR94710 p 84 BR94710 p 87 BR94986 p 221 BR95132 p 99 BR94986 p 221 BR95132 p 98 BR95294 p 235 BR96591 p 95 BR98339 p 415	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-15860 # N86-15860 # N86-27868 # N86-21101 # N86-27868 # N86-32964 # N86-11846 # N86-11846 # N86-17987 # N86-28621 # N86-17987 # N86-23217 # N86-23268 # N86-17987 # N86-23268 # N86-32964 # N86-32082 #	CONF-860415-2	88 N86-30340 N86-3105 N86-31105 N86-13222 N86-16893 N86-13881 S N86-13881 N86-14893 N86-14893 N86-14894 7 N86-25119 N86-14844 7 N86-26795 3 N86-24195 N86-1990 N86-25113 N86-25114 N86-13883 N86-13883 N86-13883 N86-13885 N86-13885 N86-13885 N86-13885 N86-13885 N86-13885	******	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010287 DE86-010287 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-43 DFVLR-FB-85-43 DFVLR-FB-85-44 DFVLR-MITT-86-01 DGLR PAPER 85-126 DGLR PAPER 85-126	P 411 P 411 P 411 P 411 P 409 P 409 P 409 P 409 P 409 P 409 P 405 P 416 P 416 P 412 P 20 P 20 P 20 P 20 P 387 P 56 P 416 P 73 P 56 P 387 P 429 P 245 P 245 P 245 P 245	N86-30345 # N86-28623 # N86-31225 # N86-31225 # N86-31225 # N86-31225 # N86-31260 # N86-32086 # N86-32086 # N86-32084 # N86-30034 # N86-10780 # N86-10780 # N86-10780 # N86-15915 # N86-32097 # N86-15915 # N86-32975 # A86-34573 # A86-34573 # A86-35185 # A86-47766 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022.090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37795 p 278 BNL-37795 p 425 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385 BR94139 p 99 BR94710 p 84 BR94710 p 84 BR94716 p 209 BR94986 p 221 BR95132 p 99 BR95294 p 235 BR96591 p 95 BR96339 p 415 B8462753 p 291	N86-23268 #  N86-22115 #  N86-24199 #  N86-21104 #  N86-21146 #  N86-18978 #  N86-18978 #  N86-2101 #  N86-232964 #  N86-11846 #  N86-14860 #  N86-14860 #  N86-28621 #  N86-17974 #  N86-17974 #  N86-17974 #  N86-23217 #  N86-23217 #  N86-23217 #  N86-232217 #  N86-23228 #  N86-17988 #  N86-17988 #  N86-23278 #  N86-32082 #  N86-32082 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 430 CONF-860470-1 p 430 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 140 CWI-AM-R8418 p 53 CWI-CS-R8516 p 270 DCIEM-85-R-31 p 220 DCIEM-85-R-32 p 120 DCIEM-85-R-32 p 120 DCIEM-85-R-31 p 250 DCIEM-85-R-91 p	88 N86-30340 N86-3105 N86-31105 N86-31222 N86-16893 N86-13887 N86-13881 N86-13881 N86-14893 N86-15901 N86-14893 N86-18990 N86-14844 N86-18990 N86-25113 N86-25113 N86-25113 N86-25113 N86-13883 N86-23220 N86-13885 N86-13885 N86-11853 N86-11853	******	DE86-005363 DE86-005760 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010287 DE86-010287 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-45 DFVLR-FB-85-44 DFVLR-FB-85-45 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44	P 411 P 411 P 411 P 411 P 409 P 409 P 409 P 409 P 435 P 416 P 416 P 425 P 444 P 412 P 20 P 20 P 20 P 387 P 56 P 387 P 429 P 245 P 269 P 432 P 222	N86-30345 # N86-28623 # N86-31247 # N86-31225 # N86-31225 # N86-31225 # N86-31205 # N86-32085 # N86-32086 # N86-32086 # N86-32084 # N86-10780 # N86-10780 # N86-10780 # N86-10781 # N86-32099 N86-15863 # N86-32097 # N86-15864 # N86-32097 # N86-15864 # N86-32975 # N86-32087 # N86-3208
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022-090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-3795 p 425 BNL-37795 p 425 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385 BR94139 p 99 BR94710 p 84 BR94716 p 209 BR94716 p 209 BR94986 p 221 BR95132 p 99 BR95294 p 235 BR96591 p 95 BR98339 p 415 B8462753 p 291 B8462753 p 291 B8561711 p 290	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-15860 # N86-18978 # N86-21101 # N86-27668 # N86-31846 # N86-11846 # N86-11846 # N86-14880 # N86-17974 # N86-23278 # N86-17988 # N86-23278 # N86-32082 # N86-32082 # N86-32082 #	CONF-860415-2 p 40 CONF-860470-1 p 43 CONF-860470-1 p 40 COO-4957-5 p 93 CPL-85-1 p 43 CRDC-CR-84131 p 29 CRJP-255A p 266 CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 146 CWI-AM-R8418 p 53 CWI-CS-R8516 p 27 CCIEM-85-R-31 p 256 CIEM-85-R-31 p 256 CIEM-85-R-31 p 256 CIEM-85-R-32 p 12 CIEM-85-R-32 p 12 CIEM-85-R-32 p 12 CIEM-85-R-51 p 256 DE05-016798 p 259 DE85-019192 p 30 DE85-012794 p 39 DE85-012995 p 21 DE85-013041 p 17 DE85-013041 p 17 DE85-013041 p 17 DE85-013041 p 17	88 N86-30340 N86-31205 N86-31222 N86-31222 N86-16893 N86-13881 N86-13881 N86-13881 N86-14893 N86-15901 N86-14893 N86-18990 N86-14844 N86-26795 N86-24195 N86-25113 N86-25114 N86-25114 N86-25114 N86-13883 N86-13883 N86-13885 N86-13865 N86-13865 N86-11863 N86-11863 N86-11863	*****	DE86-005363 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-009402 DE86-010287 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-44 DFVLR-FB-85-45 DFVLR-FB-85-44 DFVLR-FB-85-45 DFVLR-FB-85-45 DFVLR-FB-85-45 DFVLR-FB-85-45 DFVLR-FB-85-45 DGLR PAPER 85-126 DGLR PAPER 85-147 DGLR-BERICHT 85-04 DHHS/PUB/FDA-85-8244	P 411 P 411 P 411 P 411 P 409 P 416 P 417 P 427 P 56 P 417 P 56 P 418 P 429 P 245 P 432 P 222 P 209	N86-30345 # N86-28623 # N86-31215 # N86-31225 # N86-31225 # N86-31225 # N86-31205 # N86-32085 # N86-32086 # N86-32084 # N86-30323 # N86-30348 # N86-3048 # N86-35185 # N86-35185 # A86-47766 # N86-23274 # N86-23220 #
BAE-JS-10009 p 221 BEL-85-2/ONR-85-2 p 188 BES-5 p 224 BLL-CE-TRANS-8221-(9022.090) p 170 BLL-CE-TRANS-8223-(9022-09) p 187 BNL-36836 p 55 BNL-36937 p 118 BNL-36992 p 158 BNL-37795 p 278 BNL-37795 p 425 BNL-51882 p 17 BRA-85-10 p 63 BRDC-2418 p 385 BR94139 p 99 BR94710 p 84 BR94710 p 84 BR94716 p 209 BR94986 p 221 BR95132 p 99 BR95294 p 235 BR96591 p 95 BR96339 p 415 B8462753 p 291	N86-23268 # N86-22115 # N86-24199 # N86-21104 # N86-21146 # N86-15860 # N86-15860 # N86-27868 # N86-21101 # N86-27868 # N86-32964 # N86-11846 # N86-14880 # N86-14880 # N86-17987 # N86-23217 # N86-23217 # N86-23268 # N86-23278 # N86-16900 # N86-232082 # N86-16900 # N86-26824 # N86-26824 # N86-26824 #	CONF-860415-2 p 400 CONF-8604159-1 p 430 CONF-860470-1 p 430 CONF-860470-1 p 430 COO-4957-5 p 93 CPL-85-1 p 430 CRDC-CR-84131 p 29 CRJP-255A p 260 CRJP-257 p 71 CS-TR-1494 p 67 CSI-85-01 p 140 CWI-AM-R8418 p 53 CWI-CS-R8516 p 270 DCIEM-85-R-31 p 220 DCIEM-85-R-32 p 120 DCIEM-85-R-32 p 120 DCIEM-85-R-31 p 250 DCIEM-85-R-91 p	88 N86-30340 N86-32105 N86-32105 N86-31222 N86-16893 N86-13887 N86-13881 S N86-25119 N86-14893 N86-14893 N86-14844 7 N86-26795 N86-26795 N86-25113 N86-25114 N86-13883 N86-13883 N86-13885 N86-13885 N86-13885 N86-11865 N86-11865 N86-11865 N86-11865 N86-11865 N86-11865 N86-11865 N86-11865 N86-11865 N86-10772	******	DE86-005363 DE86-005760 DE86-005760 DE86-005807 DE86-005807 DE86-008181 DE86-008182 DE86-008183 DE86-008184 DE86-009402 DE86-009402 DE86-010287 DE86-010287 DE86-010561 DE86-901038 DFVLR-FB-85-20 DFVLR-FB-85-21 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-40 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-45 DFVLR-FB-85-44 DFVLR-FB-85-45 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44 DFVLR-FB-85-44	P 411 P 411 P 411 P 418 P 409 P 409 P 409 P 409 P 409 P 409 P 405 P 416 P 425 P 4412 P 20 P 427 P 56 P 387 P 429 P 245 P 222 P 209 P 416	N86-30345 # N86-28623 # N86-30347 # N86-31215 # N86-31225 # N86-31225 # N86-31225 # N86-31206 # N86-32086 # N86-32086 # N86-32084 # N86-303048 # N86-10780 # N86-10780 # N86-10780 # N86-10781 # N86-32097 # N86-15915 # N86-32097 # N86-32007 # N86-32007 # N86-32007 #

DOE/ER-13107/3 p DOE/ER-13187/2 p	158	NOC 04000									
DOE/ER-13187/2 p		N00-21U99	#	ETN-86-97242	p 408	N86-30341	#	IITRI-E06549-20	n 225	NRG 24205	
	160	N86-22090	#	ETN-86-97263		N86-32082	#				π
DOE/ER-13234/2 p			#	ETN-86-97385		N86-32093	#	IITRI-E06549-21	p 225	N86-24204	#
DOE/ER-13337/1 p	200	N86-23219	#	ETN-86-97386		N86-32094	#				
DOE/ER-60192/1 p		N86-11848	#	ETN-86-97393		N86-32095	π	INER-0575	D 412	N86-30348	#
DOE/EN-00182/1	"	1400-11040	#	ETN-86-97398			#		•		"
DOE /EV 00 100 /T1	00	NOO 40070		ETN-86-97399		N86-30335	#	IPO-19-1984	- 405	NOS COCOS	
DOE/EV-03408/T1 p		N86-16878	#			N86-30336	#	II O-13-1304	p 405	1400-30333	₩
DOE/EV-04268/T4p		N86-23269	#	ETN-86-97400		N86-30337	#				
DOE/EV-04957/5 p		N86-16893	#	ETN-86-97533		N86-32965	#	ISBN-0-309-03538-4		N86-16880 i	#
DOE/EV-10731/5p	225	N86-24208	#	ETN-86-97540		N86-32966	#	ISBN-3-88383-107-7	D 15	N86-10773	#
				ETN-86-97579		N86-32099	#	ISBN-90-353-0030-0			#
DOE/RA-50219/T4 p		N86-13885	#	ETN-86-97669		N86-32106	#	ISBN-90-6807-005-3			#
DOE/RA-50219/T5 p	411	N86-30346	#	ETN-86-97768	p 423	N86-32954	#	ISBN-90-6807-006-1			#
DOE/RA-50219/T6 p		N86-23221	#	ETN-86-97787	p 435	N86-32107	#	ISBN-90-6807-016-9	p 400		••
DOE/RA-50219/T7 p		N86-29533	#	ETN-86-97788-PT-2	D 444	N86-33024	#	ISBN-92-835-0384-8	p 423		#
DOE/RA-50219/T8 D		N86-30347	#	ETN-86-97789		N86-32108	#	ISBN-92-835-0385-6			#
		. 100 000 17	"	ETN-86-97790		N86-32109	#	13014-82-033-0303-0	p 398	N86-30309	#
DOT-FAA-AM-86-1 p	277	NOS 27966	#	ETN-86-97791		N86-32110	#	101 0			
роттичностр		1400-27000	π	ETN-86-97814		N86-32975	π μ	ISL-9	p 291	N86-26829	#
DOT/FAA-AM-85-5p	60	N86-15905	ш	ETN-86-98043		N86-32100	<i>π</i>				
			#	ETN-86-98077			#	ISS-L-84/7	p 288	N86-27908	#
DOT/FAA-AM-85-6p		N86-17982	#	E114-00-90077	p 410	N86-32087	#				
DOT/FAA-AM-85-7 p	12/	N86-19890	#	EAA AM 05 0	- 45	1100 40774		ISSN-0082-5255		N86-15911	#
				FAA-AM-85-3	p 15	N86-10771	#	ISSN-0143-7143	p 221	N86-23267	#
DOT/FAA/AM-85-10p		N86-22116	#					ISSN-0167-8590	p 290	N86-26826	#
DOT/FAA/AM-85/8 p		N86-24196	#	FAA/AM-86/3-PT-6			#	ISSN-0167-8590	p 290		#
DOT/FAA/AM-85/9 p	224	N86-24201	#	FAA/AM-86/4	p 428	N86-32971	#	ISSN-0167-8590		N86-26834	#
•								ISSN-0171-1342	p 20	N86-10780	#
DOT/OST/P34-85/021p	47	N86-13906	#	FDA/CDRH-85/72	p 222	N86-23275	#	ISSN-0171-1342	n 20		#
				FDA/CDRH-86/103-VOL-2	p 380	N86-29501	#	ISSN-0171-1342			#
DREO-TN-84-26 p	22	N86-10786	#	FDA/CDRH-86/4	p 222	N86-23274	#	ISSN-0171-1342			#
•				FDA/CDRH-86/5	D 222	N86-23273	#	ISSN-0171-1342			
DRIC-T-7449 p	235	N86-23278	#	FDA/CDRH-86/7			#	ISSN-0176-7739	p /3		#
DRIC-T-7456p		N86-23217	#		<b>,</b>	LOLI L	"	ISSN 0476 7700	p 367		#
DRIC-T-7503		N86-16900	#	FOA-A-50002-H2	n 00	N86-16905	#	ISSN-0176-7739	p 429	N86-32975	#
DRIC-T-7663 p		N86-32082	#	10/1/1-30002-112	P 00	1400-10903	#	ISSN-0281-0239			#
DAIC-1-7003	415	N00-32U62	Ħ	FOA-C-40213-C2	- 200	NIGE ODEOD	ш	ISSN-0347-2124			#
DTNCDDC (CM) D of (of		1100 00540				N86-29500	Ħ	ISSN-0347-2124		N86-29500	#
DTNSRDC/CMLD-85/05p	386	N86-29510	#	FOA-C-40216-C2		N86-17995	#	ISSN-0347-7665		N86-16879	#
				FOA-C-50021-H1		N86-19854	#	ISSN-0347-7665	p 121	N86-19854	#
E-2777 p	46	N86-13899 *	#	FOA-C-50023-H1		N86-16879	#	ISSN-0347-7665		N86-23280	#
				FOA-C-50027-H3		N86-23280	#	ISSN-0347-7665	p 383	N86-29506	#
EGG-M-27484 p	4	N86-10736	#	FOA-C-50032-H2		N86-29511	#	ISSN-0347-7665			#
				FOA-C-50034-H3	p 383	N86-29506	#	ISSN-0347-7665			#
EGG-SSDC-31p	409	N86-31225	#	FOA-C-50038-H1	p 408	N86-30341	#	ISSN-0366-9106			#
								ISSN-0366-9106			#
EL-859 p	288	N86-27906	#	FOK-TR-R-84-CHO-131-PT-2	p 444	N86-33024	#	ISSN-0366-9106			π #
EL-861p		N86-27865	#	FOK-TR-R-84-110-VOL-1-PT-A	D 46	N86-13902	#	ISSN-0389-4010			π #
EL-863p	288	N86-27907	#	FOK-TR-R-84-110-VOL-1-PT-B	D 47	N86-13903	#	ISSN-0390-6493	p 170		••
			"	FOK-TR-R-84-110-VOL-2		N86-13904	#	ISSN-0800-4412			#
EOTR-85-7	136	N86-19903	#	FOK-TR-R-84-110-VOL-3		N86-13905	#	13314-0000-4412	p 255	N86-25112	#
			"		•		"	ISVR-TR-133-PT-1	- 440	1100 00044	
EDA 450/5 05 0004 VOL 4	93	N86-16896	#	FR-1	n 63	N86-14877	#	ISVR-TR-134	p 442		
	,				P 00						#
EPA-450/5-85-003A-VOL-1 p	226		#						p 443	N86-33015	π
EPA-450/5-85-005C		N86-24213	#	FTILID(BS)T_0304_86	n 422				•		
EPA-450/5-85-005C	226	N86-24213 N86-24212	#	FTD-ID(RS)T-0294-86		N86-32092	#	IU-CERL-RR-85-1-ONR	•	N86-33015 N86-12972	
EPA-450/5-85-005C p EPA-450/5-85-005D p EPA-600/D-85-174 p	226 93	N86-24213 N86-24212 N86-16895	# #	FTD-ID(RS)T-0395-85	p 127	N86-32092 N86-19894	#	IU-CERL-RR-85-1-ONR	p 42		
EPA-450/5-85-005C	226 93 94	N86-24213 N86-24212 N86-16895 N86-17984	# # #	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85	p 127 p 289	N86-32092 N86-19894 N86-27914	# # #	IU-CERL-RR-85-1-ONR	p 42 p 20		#
EPA-450/5-85-005C	93 94 226	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211	# # # #	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84	p 127 p 289 p 159	N86-32092 N86-19894 N86-27914 N86-22083	# # #	IU-CERL-RR-85-1-ONR	p 42 p 20 p 20	N86-12972 N86-10782	#
EPA-450/5-85-005C	226 93 94 226 379	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615	# # # #	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85	p 127 p 289 p 159	N86-32092 N86-19894 N86-27914 N86-22083	# # #	IU-CERL-RR-85-1-ONR	p 42 p 20 p 20 p 23	N86-12972 N86-10782 N86-10783	 # #
EPA-450/5-85-005C	226 93 94 226 379 258	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989	######	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84	p 127 p 289 p 159 p 248	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973	# # # #	IU-CERL-RR-85-1-ONR	p 42 p 20 p 20 p 23	N86-12972 N86-10782 N86-10783 N86-10789	# # #
EPA-450/5-85-005C	226 93 94 226 379 258 7	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837	# # # #	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84	p 127 p 289 p 159 p 248	N86-32092 N86-19894 N86-27914 N86-22083	# # #	IU-CERL-RR-85-1-ONR	p 42 p 20 p 20 p 23 p 95	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986	# ###
EPA-450/5-85-005C	226 93 94 226 379 258 7 256	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989	######	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84	p 127 p 289 p 159 p 248 p 64	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973	# # # #	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10	p 42 p 20 p 20 p 23 p 95 p 100	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17993	. # #####
EPA-450/5-85-005C	226 93 94 226 379 258 7 256	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837	#######	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84	p 127 p 289 p 159 p 248 p 64	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973	# # # #	IU-CERL-RR-85-1-ONR  IZF-1984-19  IZF-1984-32  IZF-1984-34  IZF-1985-10  IZF-1985-11	p 42 p 20 p 20 p 23 p 95 p 100 p 100	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17993 N86-17994	. # ######
EPA-450/5-85-005C	226 93 94 226 2379 258 7 256 222	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276	#########	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984 GAO/RCED-86-39BR	p 127 p 289 p 159 p 248 p 64 p 376	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494	#######################################	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1985-10 IZF-1985-11 IZF-1985-19	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17993 N86-17994 N86-32100	· # #######
EPA-450/5-85-005C	226 93 94 226 2379 258 7 256 222	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276	#########	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84	p 127 p 289 p 159 p 248 p 64 p 376	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494	#######################################	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-26	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427 p 283	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17993 N86-17994 N86-32100 N86-26801	· # ########
EPA-450/5-85-005C	226 93 94 226 2379 258 7 256 222	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276	#########	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FTD-ID(RS)T-1432-84  FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2	p 127 p 289 p 159 p 248 p 64 p 376 p 73	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494	#######################################	IU-CERL-RR-85-1-ONR  IZF-1984-19  IZF-1984-32  IZF-1984-34  IZF-1985-10  IZF-1985-11  IZF-1985-19  IZF-1985-19  IZF-1985-9	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427 p 283 p 100	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17993 N86-17993 N86-32100 N86-26801 N86-17992	· # #######
EPA-450/5-85-005C	226 93 94 226 379 258 7 256 222	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276	#########	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984 GAO/RCED-86-39BR	p 127 p 289 p 159 p 248 p 64 p 376 p 73	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494	. ###### # # #	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-26 IZF-1985-26 IZF-1986-2	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427 p 283 p 100 p 405	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17994 N86-32100 N86-26801 N86-17992 N86-30336	. # ##########
EPA-450/5-85-005C	226 93 94 226 379 258 7 256 222 180	N86-24213 N86-24212 N86-16984 N86-17984 N86-24211 N86-28615 N86-2515 N86-25116 N86-25116 N86-23276	#######################################	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FTD-ID(RS)T-1432-84  FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2	p 127 p 289 p 159 p 248 p 64 p 376 p 73	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913	. ###### # # #	IU-CERL-RR-85-1-ONR  IZF-1984-19  IZF-1984-32  IZF-1984-34  IZF-1985-10  IZF-1985-11  IZF-1985-19  IZF-1985-19  IZF-1985-9	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427 p 283 p 100 p 405	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17993 N86-17993 N86-32100 N86-26801 N86-17992	. # ##########
EPA-450/5-85-005C	226 93 94 226 379 258 7 256 222 180	N86-24213 N86-24212 N86-18984 N86-17984 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139	#######################################	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FTD-ID(RS)T-1432-84  FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2	p 127 p 289 p 159 p 248 p 64 p 376 p 73 p 3	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913	. ##### # # # #	IU-CERL-RR-85-1-ONR  IZF-1984-19  IZF-1984-32  IZF-1984-34  IZF-1985-10  IZF-1985-11  IZF-1985-19  IZF-1985-9  IZF-1986-2  IZF-1986-4	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427 p 283 p 100 p 405 p 405	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17993 N86-17994 N86-32100 N86-26801 N86-17992 N86-30336 N86-30337	. # ##########
EPA-450/5-85-005C	226 93 94 226 379 258 7 256 222 180	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-13883 N86-30344	######### # ##	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984 GAO/RCED-86-39BR GIT-TR-85-2 GPO-43-778	p 127 p 289 p 159 p 248 p 64 p 376 p 73 p 3	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733	. ###### # # # # #	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-26 IZF-1985-26 IZF-1986-2	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427 p 283 p 100 p 405 p 405	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17994 N86-32100 N86-26801 N86-17992 N86-30336	. # ##########
EPA-450/5-85-005C	226 93 94 926 379 258 7 256 222 180 29 411	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25916 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345	######## # ###	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FTD-ID(RS)T-1432-84  FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05	p 127 p 289 p 159 p 248 p 64 p 376 p 73 p 3 p 242 p 272	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-24217 *	###### # # # # ##	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1985-10 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-26 IZF-1986-2 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427 p 263 p 100 p 405 p 405	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17996 N86-17994 N86-32100 N86-26801 N86-17992 N86-30336 N86-30337	. # ##########
EPA-450/5-85-005C	226 93 94 226 379 258 7 256 222 180 29 411 411	N86-24213 N86-24212 N86-16895 N86-17984 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-13883 N86-30344 N86-30345 N86-13902	**************************************	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FTD-ID(RS)T-1432-84  FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05	p 127 p 289 p 159 p 248 p 64 p 376 p 73 p 3 p 242 p 272	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-24217 *	###### # # # # ##	IU-CERL-RR-85-1-ONR  IZF-1984-19  IZF-1984-32  IZF-1984-34  IZF-1985-10  IZF-1985-11  IZF-1985-19  IZF-1985-9  IZF-1986-2  IZF-1986-4	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427 p 263 p 100 p 405 p 405	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17993 N86-17994 N86-32100 N86-26801 N86-17992 N86-30336 N86-30337	. # ##########
EPA-450/5-85-005C	226 93 94 226 379 258 7 256 222 180 29 411 411	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-13883 N86-30344 N86-30345 N86-13902 N86-13902	并并并并并并并并 并 并并并 并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02	p 127 p 289 p 159 p 248 p 64 p 376 p 73 p 3 p 242 p 272	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-24217 *	###### # # # # ##	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-26 IZF-1985-9 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019	p 42 p 20 p 20 p 23 p 95 p 100 p 427 p 263 p 100 p 405 p 405 p 188 p 39	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17994 N86-32100 N86-26801 N86-17992 N86-30336 N86-30337 N86-22113 N86-12966	. # ########## # #
EPA-450/5-85-005C	226 93 94 226 379 258 7 256 222 2180 29 411 241 246 247	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30344 N86-30345 N86-13902 N86-13903 N86-13904	并并并并并并并 并 并并并 并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FTD-ID(RS)T-1432-84 FUB-24-1984 GAO/RCED-86-39BR GIT-TR-85-2 GPO-43-778 H-86-02 H-86-05 HEL-TM-1-85	p 127 p 289 p 159 p 248 p 64 p 376 p 73 p 3 p 242 p 272 p 115	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-24217 ** N86-24217 ** N86-24217 ** N86-18964	. ###### # # # # ## #	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1985-10 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-26 IZF-1986-2 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100	p 42 p 20 p 20 p 23 p 95 p 100 p 427 p 263 p 100 p 405 p 405 p 188 p 39	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17996 N86-17994 N86-32100 N86-26801 N86-17992 N86-30336 N86-30337	. # ########## # #
EPA-450/5-85-005C EPA-450/5-85-005D EPA-800/D-85-174 EPA-800/D-85-174 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-033 EPA-600/D-86-033 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-021 EPL-84-2/NASA-84-2 EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6 ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3	226 93 94 226 379 258 7 256 222 256 222 26 180 29 411 26 411 26 47 27 27 27 27 27 27 27 27 27 27 27 27 27	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-13803 N86-30344 N86-30345 N86-13903 N86-13904 N86-13904 N86-13904 N86-13905	并并并并并并并 并 并并并 并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238	p 127 p 289 p 159 p 248 p 64 p 376 p 73 p 3 p 242 p 272 p 115 p 222	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-24217 * N86-25121 * N86-3275	. ###### # # # # # # #	IU-CERL-RR-85-1-ONR  IZF-1984-19  IZF-1984-32  IZF-1984-34  IZF-1984-36  IZF-1985-10  IZF-1985-11  IZF-1985-19  IZF-1985-9  IZF-1986-2  IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019	p 42 p 20 p 20 p 23 p 95 p 100 p 427 p 283 p 100 p 405 p 405 p 188 p 39 p 57	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17993 N86-17994 N86-26801 N86-17992 N86-30337 N86-22113 N86-12966 N86-15893	. # ######### # # #
EPA-450/5-85-005C EPA-450/5-85-005D EPA-800/D-85-174 EPA-800/D-85-195 EPA-600/D-85-195 EPA-600/D-86-008 EPA-600/D-86-003 EPA-600/1-85-007 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-014 EPL-84-2/NASA-84-2 EPRI-EA-4189 EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6 ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-4 ESA-CR(P)-2048-VOL-4 ESA-CR(P)-2048-VOL-4	226 93 94 926 937 946 9258 97 9256 9257	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13903 N86-13905 N86-13905 N86-13905 N86-13905	并并并并并并并 并 并并并 并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FTD-ID(RS)T-1432-84 FUB-24-1984 GAO/RCED-86-39BR GIT-TR-85-2 GPO-43-778 H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8246	p 127 p 289 p 159 p 248 p 64 p 376 p 73 p 3 p 242 p 272 p 115 p 222 p 222	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-24217 N86-25121 N86-18964 N86-23275 N86-23273	. ###### # # # # ## ##	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-ESA-85-031  JPRS-UBB-85-004	p 42 p 20 p 20 p 23 p 95 p 100 p 427 p 283 p 100 p 405 p 405 p 405 p 188 p 39 p 57 p 54	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17994 N86-32100 N86-26801 N86-17992 N86-30336 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845	. # ########## # # # #
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-600/D-85-174 EPA-600/D-85-195 EPA-600/D-86-008 EPA-600/D-86-008 EPA-600/D-86-003 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-021 EPL-84-2/NASA-84-2 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6 ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-4 ESA-CR(P)-2126 ESA-CR(P)-2190-PT-1	226 93 94 926 97 97 97 97 97 97 97 97 97 97	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13903 N86-13904 N86-13904 N86-13904 N86-13905 N86-13904 N86-13905	并并并并并并并并 并 并并并 并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-84 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8246 HHS/PUB/FDA-85-8246	p 127 p 289 p 159 p 248 p 64 p 376 p 73 p 3 p 242 p 272 p 115 p 222 p 222	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-24217 N86-25121 N86-18964 N86-23275 N86-23273 N86-23273	. ###### # # # ### # ###	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-26 IZF-1986-2 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-USB-85-004 JPRS-USB-85-004 JPRS-USB-85-023	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 425 p 405 p 405 p 405 p 188 p 39 p 57 p 54 p 4	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17994 N86-32100 N86-26801 N86-17992 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-10738	. 并 并并并并并并并并并 并 并 并 并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-800/D-85-174 EPA-800/D-85-174 EPA-800/D-85-195 EPA-600/D-85-241 EPA-600/D-86-008 EPA-600/D-86-003 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-021 EPL-84-2/NASA-84-2 EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6 ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-4 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2	226 293 294 225 225 256 2222 2180 2411 246 247 247 247 247 247 247 247 247	N86-24213 N86-24212 N86-16895 N86-17984 N86-28615 N86-28615 N86-25116 N86-23276 N86-21139 N86-30344 N86-30344 N86-30345 N86-13903 N86-13904 N86-13904 N86-13904 N86-13905 N86-24191 N86-24191 N86-32107 N86-33024	并并并并并并并并 并 并并并 并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FTD-ID(RS)T-1432-84 FUB-24-1984 GAO/RCED-86-39BR GIT-TR-85-2 GPO-43-778 H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8246	p 127 p 289 p 159 p 248 p 64 p 376 p 73 p 3 p 242 p 272 p 115 p 222 p 222	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-24217 N86-25121 N86-18964 N86-23275 N86-23273 N86-23273	. ###### # # # # ## ##	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1986-2 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-004 JPRS-UBB-85-004 JPRS-UBB-85-004 JPRS-UBB-85-024	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 405 p 405 p 405 p 405 p 405 p 57 p 188 p 39 p 57	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17993 N86-17994 N86-282110 N86-282113 N86-12966 N86-15893 N86-14845 N86-14845 N86-14885	. # ########## # # # #
EPA-450/5-85-005C EPA-450/5-85-005D EPA-800/D-85-174 EPA-800/D-85-195 EPA-600/D-85-195 EPA-600/D-86-033 EPA-600/D-86-033 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-016 ESA-CR(P)-2048-VOL-5 EPRI-EA-4318-VOL-6 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2180-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3	226 93 93 92 93 93 93 93 93 94 94 94 94 94 94 94 94 94 94	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-13883 N86-30344 N86-30345 N86-13902 N86-13903 N86-13903 N86-13905 N86-24191 N86-32107 N86-32107	芥芥芥芥芥芥芥芥芥 茶 茶芥芥 芥芥芥芥芥芥芥	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-143-85 FTD-ID(RS)T-143-84 FTD-ID(RS)T-1432-84 FTD-ID(RS)T-1432-84 FUB-24-1984 GAO/RCED-86-39BR GIT-TR-85-2 GPO-43-778 H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8246 HHS/PUB/FDA-86-8257-VOL-2	p 127 p 289 p 159 p 248 p 64 p 376 p 73 p 3 p 242 p 272 p 115 p 222 p 222 p 380	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-10733 N86-10733 N86-24217 N86-25121 N86-18964 N86-23275 N86-23273 N86-23272 N86-23272 N86-29501	##### # # # # # # ####	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-85-024	p 42 p 20 p 20 p 20 p 95 p 100 p 100 p 427 p 283 p 100 p 405 p 405 p 405 p 405 p 57 p 54 p 4 p 64 p 83	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17994 N86-32100 N86-26801 N86-30336 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-10738 N86-10738 N86-16881	. 并 并并并并并并并并并 并 并 并 并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-600/D-85-174 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-008 EPA-600/D-86-008 EPA-600/1-85-013 EPA-600/1-85-021 EPL-84-2/NASA-84-2 EPRI-EA-4189 EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6 ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3	226 93 93 93 94 95 96 97 97 97 97 97 97 97 97 97 97	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30345 N86-30345 N86-13902 N86-13903 N86-13903 N86-13904 N86-13904 N86-32107 N86-32107 N86-32108 N86-32108	并并并并并并并并 并 并并并 并并并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05  HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-86-8257-VOL-2  IAF PAPER 84-184	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 115 P 222 P 222 P 380 P 10	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-15913 N86-10733 N86-21212 N86-251212 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273	** # # # # # # # # # # # # # # # # # #	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-26 IZF-1986-2 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-85-025 JPRS-UBB-86-001	p 42 p 20 p 20 p 23 p 95 p 100 p 427 p 283 p 100 p 405 p 405 p 188 p 39 p 57 p 54 p 64 p 83 p 109	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17994 N86-17994 N86-26801 N86-17992 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-14845 N86-14885 N86-14885 N86-14881 N86-18928	. 并 并并并并并并并并并 并 并 并 并并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-800/D-85-174 EPA-800/D-85-195 EPA-600/D-85-195 EPA-600/D-86-033 EPA-600/D-86-033 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-016 ESA-CR(P)-2048-VOL-5 EPRI-EA-4318-VOL-6 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2180-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3	226 93 93 93 94 95 96 97 97 97 97 97 97 97 97 97 97	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-13883 N86-30344 N86-30345 N86-13902 N86-13903 N86-13903 N86-13905 N86-24191 N86-32107 N86-32107	芥芥芥芥芥芥芥芥芥 茶 茶芥芥 芥芥芥芥芥芥芥	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-84 FTD-ID(RS)T-1432-84 FTD-ID(RS)T-1432-84 FUB-24-1984 GAO/RCED-86-39BR GIT-TR-85-2 GPO-43-778 H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8246 HHS/PUB/FDA-85-8246 HHS/PUB/FDA-86-8257-VOL-2 IAF PAPER 84-184 IAF PAPER 84-184	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 115 P 222 P 222 P 380 P 10 P 10	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-15913 N86-10733 N86-10733 N86-24217 N86-18964 N86-23275 N86-23273 N86-23272 N86-29501 A86-12362 A86-12363	** ** ** * * * * * * * * * * * * * * * *	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1985-9 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-86-001 JPRS-UBB-86-001 JPRS-UBB-86-002	P 42 P 20 P 20 P 23 P 95 P 100 P 427 P 283 P 100 P 405 P 405 P 188 P 39 P 57 P 54 P 4 P 64 P 83 P 109 P 209	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17994 N86-32100 N86-26801 N86-30336 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-10738 N86-10738 N86-16881	: 并 并并并并并并并并并 并 并 并 并并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-800/D-85-174 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-033 EPA-600/D-86-033 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-016 ESA-CR(P)-2048-VOL-5 EPRI-EA-4318-VOL-6 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-4 ESA-CR(P)-2190-PT-5	226 993 994 995 995 995 995 995 995 995 995 995	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13904 N86-13905 N86-13905 N86-32108 N86-33024 N86-32108 N86-33024 N86-33024	并并并并并并并 并 并并并 并并并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8246 HHS/PUB/FDA-85-8246 HHS/PUB/FDA-86-8257-VOL-2 IAF PAPER 84-184 IAF PAPER 84-185 IAF PAPER 85-304	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 115 P 222 P 380 P 10 P 10 P 45	N86-32092 N86-19894 N86-27914 N86-25973 N86-25973 N86-14884 N86-19913 N86-10733 N86-10733 N86-24217 N86-25121 N86-18964 N86-23275 N86-23272 N86-23272 N86-23272 N86-23272 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273	** # # # # # # # # # # # # # # # # # #	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-86-001 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-004	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427 p 283 p 95 p 405 p 405 p 405 p 405 p 57 p 54 p 4 p 83 p 109 p 209 p 212	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17994 N86-17994 N86-26801 N86-17992 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-14845 N86-14885 N86-14885 N86-14881 N86-18928	. 并 并并并并并并并并并 并 并 并 并并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-600/D-85-195 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-008 EPA-600/D-86-008 EPA-600/1-85-013 ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-4 ESA-CR(P)-2190-PT-5 ESA-CR(P)-2190-PT-5 ESA-CR(P)-2190-PT-5	226	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13904 N86-13904 N86-13905 N86-21107 N86-32107 N86-33024 N86-33024 N86-32108 N86-32108	并并并并并并并 并 并并并 并并并并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2 GPO-43-778 H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-86-8257-VOL-2 IAF PAPER 84-184 IAF PAPER 84-185 IAF PAPER 85-304 IAF PAPER 85-304	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 242 P 272 P 115 P 222 P 282 P 380 P 10 P 10 P 10 P 945	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-24217 N86-25121 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273	** # # # # # # # # # # # # # # # # # #	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-26 IZF-1985-26 IZF-1986-2 IZF-1986-2 IZF-1986-2 IZF-1986-2 IZF-1986-2 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-86-002 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004	p 42 p 20 p 20 p 23 p 95 p 100 p 427 p 283 p 100 p 405 p 405 p 188 p 39 p 57 p 54 p 64 p 83 p 109 p 209 p 212 p 278	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17996 N86-17992 N86-32100 N86-26801 N86-30336 N86-30337 N86-22113 N86-12966 N86-15893 N86-15893 N86-14845 N86-10738 N86-10738 N86-16881 N86-19828 N86-18822 N86-23222	: 并 并并并并并并并并并 并 并 并 并并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-800/D-85-174 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-033 EPA-600/D-86-033 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-016 ESA-CR(P)-2048-VOL-5 EPRI-EA-4318-VOL-6 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-4 ESA-CR(P)-2190-PT-5	226	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30345 N86-30345 N86-30345 N86-13903 N86-13903 N86-13904 N86-13904 N86-32107 N86-32107 N86-32108 N86-32109	并并并并并并并 并 并并并 并并并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2 GPO-43-778 H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-86-8257-VOL-2 IAF PAPER 84-184 IAF PAPER 85-3007 IAF PAPER 85-3007 IAF PAPER 85-3007	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 222 P 222 P 222 P 222 P 222 P 222 P 248 P 249 P 24	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-25121 N86-18964 N86-23275 N86-23275 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23511 A86-15819 A86-15819 A86-15819	. 非非非非非 并 并 并 并 并 并 并 并并非 并并并并	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-86-001 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-004	p 42 p 20 p 20 p 23 p 95 p 100 p 427 p 283 p 100 p 405 p 405 p 188 p 39 p 57 p 54 p 64 p 83 p 109 p 209 p 212 p 278	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17994 N86-17992 N86-32100 N86-26801 N86-17992 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-14845 N86-14885 N86-14885 N86-19828 N86-23228 N86-23228 N86-23228	: 并 并并并并并并并并并并 并 并 并 并并并并并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-800/D-85-174 EPA-800/D-85-174 EPA-800/D-85-195 EPA-600/D-85-241 EPA-600/D-86-008 EPA-600/D-86-008 EPA-600/1-85-013 ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-5 ESA-CR(P)-2190-PT-5 ESA-CR(P)-2190-PT-5	226	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13905 N86-2119 N86-32107 N86-32107 N86-32108 N86-32108 N86-32109 N86-32109 N86-32109 N86-32109 N86-32097	并并并并并并并并 并 单并并 并并并并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8246 HHS/PUB/FDA-85-8246 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-86-8257-VOL-2 IAF PAPER 84-184 IAF PAPER 84-185 IAF PAPER 85-304 IAF PAPER 85-307 IAF PAPER 85-308 IAF PAPER 85-308 IAF PAPER 85-308 IAF PAPER 85-311	P 127 P 289 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 115 P 222 P 222 P 380 P 10 P 10 P 10 P 45 P 45 P 45 P 45	N86-32092 N86-19894 N86-27914 N86-25973 N86-25973 N86-14884 N86-19913 N86-10733 N86-10733 N86-24217 N86-23275 N86-23273 N86-23272 N86-23272 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23274 N86-12362 A86-15819 A86-15819 A86-15819 A86-15819	. 并并并并 并 并 并 并 并 并 并并并并并并并	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1985-9 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-86-001 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-006 JPRS-UBB-86-009	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427 p 283 p 105 p 405 p 405 p 405 p 57 p 54 p 4 p 83 p 109 p 202 p 278 p 376	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17994 N86-17992 N86-32100 N86-26801 N86-17992 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-14845 N86-14885 N86-14885 N86-19828 N86-23228 N86-23228 N86-23228	: 并 并并并并并并并并并并 并 并 并 并并并并并并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-600/D-85-195 EPA-600/D-85-195 EPA-600/D-86-008 EPA-600/D-86-008 EPA-600/D-86-008 EPA-600/1-85-013 ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-4 ESA-CR(P)-2190-PT-5 ESA-CR(P)-2190-PT-5 ESA-CR(P)-2190-PT-5	226	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13905 N86-2119 N86-32107 N86-32107 N86-32108 N86-32108 N86-32109 N86-32109 N86-32109 N86-32109 N86-32097	并并并并并并并 并 并并并 并并并并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05  HEL-TM-1-85  HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-86-8257-VOL-2  IAF PAPER 84-185 IAF PAPER 85-304 IAF PAPER 85-307 IAF PAPER 85-307 IAF PAPER 85-301 IAF PAPER 85-311 IAF PAPER 85-311 IAF PAPER 85-311	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 115 P 222 P 380 P 10 P 10 P 10 P 10 P 45 P 945 P 945 P 945 P 945 P 945	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-25121 N86-25121 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-12362 A86-15817 A86-15817 A86-15822 A86-15822 A86-15822 A86-15822	** ** ** * * * * * * * * * * * * * * * *	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-26 IZF-1985-26 IZF-1986-2 IZF-1986-2 IZF-1986-2 IZF-1986-2 IZF-1986-2 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-86-002 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-004	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427 p 283 p 105 p 405 p 405 p 405 p 57 p 54 p 4 p 83 p 109 p 202 p 278 p 376	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17994 N86-32100 N86-26801 N86-30336 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-10738 N86-14845 N86-14885 N86-18881 N86-19828 N86-23222 N86-23222 N86-23222 N86-23222 N86-2369 N86-28610	: 并 并并并并并并并并并并 并 并 并 并并并并并并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-600/D-85-174 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-85-241 EPA-600/D-86-033 EPA-600/D-86-033 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-021  EPL-84-2/NASA-84-2  EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6  ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-4 ESA-CR(P)-2190-PT-5 ESA-TT-944 ESA-TT-963	226 994 994 995 995 995 995 995 995 995 995	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13905 N86-2119 N86-32107 N86-32107 N86-32108 N86-32108 N86-32109 N86-32109 N86-32109 N86-32109 N86-32097	并并并并并并并并 并 单并并 并并并并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2 GPO-43-778 H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8257-VOL-2  IAF PAPER 84-185 IAF PAPER 85-307 IAF PAPER 85-307 IAF PAPER 85-301 IAF PAPER 85-311 IAF PAPER 85-311 IAF PAPER 85-312	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 272 P 222 P 222 P 222 P 236 P 10 P 45 P 35 P 35 P 35 P 35	N86-32092 N86-19894 N86-27914 N86-25973 N86-25973 N86-14884 N86-19913 N86-10733 N86-10733 N86-24217 N86-23275 N86-23273 N86-23272 N86-23272 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23274 N86-12362 A86-15819 A86-15819 A86-15819 A86-15819	** ** ** * * * * * * * * * * * * * * * *	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-26 IZF-1985-9 IZF-1986-2 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-004 JPRS-UBB-86-004 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009	p 42 p 20 p 20 p 23 p 95 p 100 p 427 p 283 p 100 p 405 p 405 p 188 p 39 p 57 p 54 p 44 p 83 p 109 p 2019 p 2029 p 212 p 278 p 376	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17994 N86-32100 N86-26801 N86-30337 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-10738 N86-14885 N86-16881 N86-19828 N86-23222 N86-23228 N86-27869 N86-28610	. 并 并并并并并并并并并 并 并 并 并并并并并并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-800/D-85-174 EPA-600/D-85-174 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-033 EPA-600/1-85-007 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-021  EPA-600/1-85-013  EPA-600/1-85-013  ESA-CR(P)-2048-VOL-1  ESA-CR(P)-2048-VOL-2  ESA-CR(P)-2048-VOL-3  ESA-CR(P)-2196-VT-1  ESA-CR(P)-2190-VT-3  ESA-CR(P)-2190-VT-3  ESA-CR(P)-2190-VT-3  ESA-CR(P)-2190-VT-5  ESA-TT-944  ESA-TT-963  ESA-86-96885  ETN-86-96938	226 927 937 938 938 938 938 938 938 938 938	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13905 N86-2119 N86-32107 N86-32107 N86-32108 N86-32108 N86-32109 N86-32109 N86-32109 N86-32109 N86-32097	并并并并并并并并 并 单并并 并并并并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8257-VOL-2 IAF PAPER 84-1185 IAF PAPER 85-304 IAF PAPER 85-306 IAF PAPER 85-308 IAF PAPER 85-311 IAF PAPER 85-311 IAF PAPER 85-313 IAF PAPER 85-313 IAF PAPER 85-313 IAF PAPER 85-315	P 127 P 289 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 115 P 222 P 222 P 380 P 10 P 10 P 45 P 45 P 45 P 35 P 35 P 35 P 35 P 36	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-25121 N86-25121 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-12362 A86-15817 A86-15817 A86-15822 A86-15822 A86-15822 A86-15822	计并并并并 并 并 并 并 并 并 并 并并并并并并并并	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1985-9 IZF-1986-2 IZF-1986-2 IZF-1986-4 JPL-PUB-85-100 JPRS-CST-85-019 JPRS-UBB-85-024 JPRS-UBB-85-025 JPRS-UBB-85-025 JPRS-UBB-86-004 JPRS-UBB-86-002 JPRS-UBB-86-002 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-006 JPRS-UBB-86-006	P 42 P 20 P 20 P 23 P 95 P 100 P 427 P 283 P 100 P 405 P 405 P 188 P 39 P 57 P 54 P 4 P 64 P 83 P 109 P 212 P 278 P 376 P 56 P 56	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17993 N86-17992 N86-32100 N86-26801 N86-30336 N86-30337 N86-12966 N86-15893 N86-14845 N86-16881 N86-1822 N86-1822 N86-23258 N86-23258 N86-27869 N86-25651 N86-15865 N86-15865	: 并 并并并并并并并并并并 并 并 并 并并并并并并并并 并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-800/D-85-195 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-008 EPA-600/D-86-008 EPA-600/1-85-013 ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-5 ESA-TT-944 ESA-TT-963 ESA-86-96885 ETN-86-96938 ETN-86-96938 ETN-86-96938	226 994 226 379 258 277 256 267 278 278 278 278 278 278 278 27	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-13903 N86-13902 N86-13904 N86-13905 N86-13904 N86-32107 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108	特种特种排种特种 转 并并并 非异种非非异种异种 并并 并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8248 IAF PAPER 84-185 IAF PAPER 85-307 IAF PAPER 85-307 IAF PAPER 85-311 IAF PAPER 85-311 IAF PAPER 85-312 IAF PAPER 85-313 IAF PAPER 85-315 IAF PAPER 85-315 IAF PAPER 85-316	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 115 P 222 P 380 P 10 P 10 P 10 P 10 P 45 P 35 P 35 P 35 P 35 P 35	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-25121 N86-28217 N86-23273 N86-23273 N86-23273 N86-23272 N86-23273 N86-23273 N86-15822 A86-15819 A86-15819 A86-15822 A86-15822 A86-15822 A86-15822 A86-15822 A86-15824	计并并并并 并 并 并 并 并 并 并 并并并并 并并并并并并并并	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1985-9 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-86-002 JPRS-UBB-86-004 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-007 JPRS-UBB-85-006 JPRS-UBB-85-006 JPRS-UBB-85-007 JPRS-UBB-85-007 JPRS-UBB-85-007 JPRS-UBB-85-007 JPRS-UBB-86-001	P 42 P 20 P 20 P 23 P 95 P 100 P 427 P 283 P 405 P 405 P 188 P 39 P 57 P 54 P 4 P 64 P 64 P 63 P 109 P 209 P 209 P 212 P 278 P 376 P 56 P 56 P 172	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17996 N86-17994 N86-32100 N86-26801 N86-30336 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-14845 N86-18881 N86-18881 N86-18881 N86-19228 N86-23258 N86-27869 N86-28610 N86-15865 N86-15865 N86-18881 N86-19828 N86-28610 N86-18881 N86-18881 N86-18881 N86-18881 N86-18881 N86-18881 N86-18881 N86-18881	: 并 并并并并并并并并并并 并 并 并 并并并并并并并并 并并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-800/D-85-174 EPA-800/D-85-174 EPA-800/D-85-195 EPA-600/D-85-241 EPA-600/D-86-008 EPA-600/D-86-008 EPA-600/D-86-003 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-021  EPL-84-2/NASA-84-2  EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6  ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-4 ESA-CR(P)-2190-PT-5  ESA-TT-944 ESA-TT-963  ESA-86-96885 ETN-86-96938 ETN-86-969943 ETN-86-969943 ETN-86-96947	226 994 994 995 995 995 995 995 995 995 995	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13904 N86-13905 N86-24191 N86-32107 N86-32107 N86-32108 N86-32109 N86-32109 N86-32109 N86-32097 N86-32097 N86-32097	并并并并并并并并 并 单并并 并并并并并并并并并 并并 并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8257-VOL-2 IAF PAPER 84-1185 IAF PAPER 85-304 IAF PAPER 85-306 IAF PAPER 85-308 IAF PAPER 85-311 IAF PAPER 85-311 IAF PAPER 85-313 IAF PAPER 85-313 IAF PAPER 85-313 IAF PAPER 85-315	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 115 P 222 P 380 P 10 P 10 P 10 P 10 P 45 P 35 P 35 P 35 P 35 P 35	N86-32092 N86-19894 N86-27914 N86-25973 N86-25973 N86-14884 N86-19913 N86-10733 N86-10733 N86-24217 N86-25121 N86-18964 N86-23275 N86-23272 N86-23272 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-15823 A86-15823 A86-15823 A86-15823 A86-15823 A86-15825	计并并并并 并 并 并 并 并 并 并 并并并并 并并并并并并并并	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1985-9 IZF-1986-2 IZF-1986-2 IZF-1986-4 JPL-PUB-85-100 JPRS-CST-85-019 JPRS-UBB-85-024 JPRS-UBB-85-025 JPRS-UBB-85-025 JPRS-UBB-86-004 JPRS-UBB-86-002 JPRS-UBB-86-002 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-006 JPRS-UBB-86-006	P 42 P 20 P 20 P 23 P 95 P 100 P 427 P 283 P 405 P 405 P 188 P 39 P 57 P 54 P 4 P 64 P 64 P 63 P 109 P 209 P 209 P 212 P 278 P 376 P 56 P 56 P 172	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17996 N86-17994 N86-32100 N86-26801 N86-30336 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-14845 N86-18881 N86-18881 N86-18881 N86-19228 N86-23258 N86-27869 N86-28610 N86-15865 N86-15865 N86-18881 N86-19828 N86-28610 N86-18881 N86-18881 N86-18881 N86-18881 N86-18881 N86-18881 N86-18881 N86-18881	: 并 并并并并并并并并并并 并 并 并 并并并并并并并并 并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-800/D-85-174 EPA-600/D-85-195 EPA-600/D-85-195 EPA-600/D-86-008 EPA-600/D-86-008 EPA-600/1-85-007 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-016 ESA-CR(P)-2048-VOL-5 EPRI-EA-4318-VOL-6 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-5 ESA-TT-944 ESA-TT-963 ESA-86-96885 ETN-86-96948 ETN-86-96948 ETN-86-96948	226 994 994 995 994 995 995 995 995 995 995	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13904 N86-13904 N86-32107 N86-32107 N86-32107 N86-32108 N86-32087	并并并并并并并 并 并并并 非非并非非非非非 并并 并 并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8248 IAF PAPER 84-185 IAF PAPER 85-307 IAF PAPER 85-307 IAF PAPER 85-311 IAF PAPER 85-311 IAF PAPER 85-312 IAF PAPER 85-313 IAF PAPER 85-315 IAF PAPER 85-315 IAF PAPER 85-316	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 222 P 222 P 222 P 280 P 10 P 10 P 45 P 945 P	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-25121 ** N86-18964 N86-23275 N86-23273 N86-23272 N86-23273 N86-23273 N86-23273 N86-12362 A86-15817 A86-15819 A86-15822 A86-15822 A86-15822 A86-15823 A86-15822 A86-15823 A86-15824 A86-15825 A86-15825	计并并并并 并 并 并 并 并 并 并 并并并并 并并并并并并并并	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1985-9 IZF-1986-2 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-85-025 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-85-006 JPRS-UBB-85-007 JPRS-UBB-86-001 JPRS-UBB-86-009 JPRS-UBB-86-001 JPRS-UBB-86-009 JPRS-UBB-86-001 JPRS-UBB-86-009 JPRS-UBB-86-001 JPRS-UBB-86-009 JPRS-UBB-86-001 JPRS-USB-86-001 JPRS-USB-86-001 JPRS-USB-86-001 JPRS-USB-86-001 JPRS-USB-86-001 JPRS-USB-86-001	P 42 P 20 P 20 P 23 P 95 P 100 P 427 P 283 P 100 P 405 P 405 P 188 P 39 P 57 P 54 P 4 P 83 P 109 P 212 P 278 P 376 P 56 P 56 P 57	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17996 N86-17992 N86-32100 N86-26801 N86-13937 N86-12966 N86-15893 N86-14845 N86-16881 N86-1822 N86-2222 N86-32222 N86-32258 N86-2869 N86-286810 N86-15865 N86-15861	: 并 并并并并并并并并并 并 并 并 并并并并并并并并 并并并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-800/D-85-195 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-008 EPA-600/D-86-008 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-021 EPL-84-2/NASA-84-2 EPRI-EA-4189 EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6 ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-5 ESA-TT-944 ESA-TT-944 ESA-TT-963 ESA-86-96885 ETN-86-96985 ETN-86-96948 ETN-86-96948 ETN-86-96948 ETN-86-96948	226 994 226 975 256 267 275 275 275 275 275 275 275 275 275 27	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13903 N86-13904 N86-32107 N86-32107 N86-32108 N86-32108 N86-32108 N86-32109 N86-32108 N86-32108 N86-32109 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32108 N86-32087	特种特种排种排种 转 并并并 非异种非非异种异种 并并 并 计并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-86-8257-VOL-2 IAF PAPER 84-185 IAF PAPER 85-304 IAF PAPER 85-307 IAF PAPER 85-311 IAF PAPER 85-311 IAF PAPER 85-312 IAF PAPER 85-313 IAF PAPER 85-315 IAF PAPER 85-316 IAF PAPER 85-317	P 127 P 289 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 115 P 222 P 222 P 380 P 10 P 10 P 45 P 45 P 95 P 95 P 936 P 936 P 936	N86-32092 N86-19894 N86-27914 N86-25973 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-10733 N86-24217 * N86-23275 N86-23275 N86-23272 N86-23272 N86-23272 N86-23273 N86-23273 N86-23272 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-15824 A86-15824 A86-15824 A86-15825 A86-15825 A86-15826 A86-15826 A86-15826	计并并并并 并 并 并 并 并 并 并 并并并并 并并并并并并并并并并	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1985-9 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-86-002 JPRS-UBB-86-004 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-007 JPRS-UBB-85-006 JPRS-UBB-85-006 JPRS-UBB-85-007 JPRS-UBB-85-007 JPRS-UBB-85-007 JPRS-UBB-85-007 JPRS-UBB-86-001	P 42 P 20 P 20 P 23 P 95 P 100 P 427 P 283 P 100 P 405 P 405 P 188 P 39 P 57 P 54 P 4 P 83 P 109 P 212 P 278 P 376 P 56 P 56 P 57	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17996 N86-17992 N86-32100 N86-26801 N86-13937 N86-12966 N86-15893 N86-14845 N86-16881 N86-1822 N86-2222 N86-32222 N86-32258 N86-2869 N86-286810 N86-15865 N86-15861	: 并 并并并并并并并并并并 并 并 并 并并并并并并并并 并并并并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-600/D-85-174 EPA-600/D-85-174 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-033 EPA-600/D-86-033 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-021  EPL-84-2/NASA-84-2  EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6  ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-4 ESA-CR(P)-2190-PT-5 ESA-TT-944 ESA-TT-963 ESA-86-96885 ETN-86-96988 ETN-86-96949 ETN-86-96949 ETN-86-96949 ETN-86-96949 ETN-86-96949 ETN-86-96949 ETN-86-96949	226 994 994 995 995 995 995 995 995 995 995	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-13883 N86-30344 N86-30345 N86-13902 N86-13903 N86-13904 N86-13905 N86-24191 N86-32107 N86-32107 N86-32108 N86-32108 N86-32108 N86-32109 N86-32109 N86-32097 N86-32097 N86-32097 N86-32097 N86-32097 N86-32097 N86-32097 N86-32097 N86-28514 N86-28626 N86-28804 N86-28804 N86-28834 N86-28834 N86-28834 N86-28834	并并并并并并并并 并 单并并 并并非非非非非非 排并 并 计并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 IAF PAPER 84-185 IAF PAPER 85-304 IAF PAPER 85-307 IAF PAPER 85-311 IAF PAPER 85-311 IAF PAPER 85-312 IAF PAPER 85-312 IAF PAPER 85-315 IAF PAPER 85-316 IAF PAPER 85-317 IAF PAPER 85-322	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 115 P 222 P 380 P 10 P 10 P 10 P 15 P 25 P 25 P 25 P 25 P 25 P 25 P 25 P 2	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-25121 ** N86-18964 N86-23275 N86-23273 N86-23272 N86-23272 N86-23273 N86-23273 N86-23273 N86-23273 N86-23274 N86-18824 A86-15825 A86-15825 A86-15825 A86-15825 A86-15825 A86-15826 A86-15826 A86-15826 A86-15827 A86-15828 A86-15828 A86-15828 A86-15828	***************************************	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-19 IZF-1985-26 IZF-1985-9 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-024 JPRS-UBB-85-025 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-004 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-85-007 JPRS-USB-86-001 JPRS-USB-86-003 JTECH-TAR-8404	p 42 p 20 p 20 p 23 p 95 p 100 p 427 p 283 p 100 p 405 p 405 p 188 p 39 p 57 p 54 p 44 p 83 p 109 p 202 p 278 p 376 p 56 p 57 p 56 p 57 p 56 p 57 p 57 p 57 p 57 p 78 p 7	N86-12972 N86-10782 N86-10783 N86-10789 N86-17986 N86-17994 N86-32100 N86-26801 N86-30337 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-14885 N86-16881 N86-1928 N86-23222 N86-23228 N86-2368 N86-28610 N86-15865 N86-14848 N86-21114 N86-27878	: 并 并并并并并并并并并并 并 并 并并并并并并并并并 并并并并 并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-800/D-85-195 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-008 EPA-600/D-86-008 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-021 EPL-84-2/NASA-84-2 EPRI-EA-4189 EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6 ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-5 ESA-TT-944 ESA-TT-944 ESA-TT-963 ESA-86-96885 ETN-86-96985 ETN-86-96948 ETN-86-96948 ETN-86-96948 ETN-86-96948	226 994 994 995 995 995 995 995 995 995 995	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-13883 N86-30344 N86-30345 N86-13902 N86-13903 N86-13903 N86-13904 N86-32109 N86-32109 N86-32109 N86-32109 N86-32108 N86-32109 N86-32109 N86-32108 N86-32109 N86-32109 N86-32109 N86-32108 N86-32109 N86-32109 N86-32101 N86-32097 N86-28216 N86-28218 N86-28218 N86-28218 N86-28827 N86-28827 N86-28827 N86-28827 N86-28827 N86-28827	特种特种排种排料 并 并并并 非常养养养养养养养 养养 并 计并并并并分	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-133-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2 GPO-43-778 H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 IAF PAPER 84-185 IAF PAPER 85-307 IAF PAPER 85-307 IAF PAPER 85-311 IAF PAPER 85-311 IAF PAPER 85-312 IAF PAPER 85-311 IAF PAPER 85-322 IAF PAPER 85-322	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 222 P 222 P 222 P 222 P 230 P 100 P 45 P 35 P 35 P 36 P 36 P 36 P 36 P 36 P 36 P 36 P 36	N86-32092 N86-19894 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-19913 N86-15913 N86-10733 N86-24217 * N86-25121 * N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23272 N86-23274 N86-189501 A86-15822 A86-15822 A86-15822 A86-15824 A86-15824 A86-15824 A86-15824 A86-15824 A86-15824 A86-15824 A86-15824 A86-15827 A86-15827 A86-15827 A86-15827 A86-15828 A86-15828 A86-15828 A86-15828 A86-15828	**************************************	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1986-2 IZF-1986-2 IZF-1986-4 JPL-PUB-85-100 JPRS-CST-85-019 JPRS-UBB-85-024 JPRS-UBB-85-025 JPRS-UBB-85-025 JPRS-UBB-86-004 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-002 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-001 JPRS-UBB-86-003 JTECH-TAR-8404 L-15963	P 42 P 20 P 20 P 23 P 95 P 100 P 427 P 283 P 100 P 405 P 405 P 188 P 39 P 57 P 54 P 40 P 83 P 109 P 212 P 278 P 376 P 56 P 56 P 57 P 56 P 57 P 56 P 57	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17996 N86-17992 N86-32100 N86-26801 N86-1393 N86-12966 N86-12966 N86-15893 N86-14845 N86-1828 N86-2222 N86-3222 N86-3222 N86-3681 N86-15898 N86-28610 N86-15865 N86-15888 N86-27869 N86-28610	: 并 并养并养养养养养养养 养 并 并 并养养养养养养养养 养养养养 并 并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-800/D-85-174 EPA-600/D-85-174 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-033 EPA-600/1-85-007 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-015 EPA-600/1-85-015 EPA-600/1-85-021  EPL-84-2/NASA-84-2  EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6  ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2198-VOL-4 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-5 ESA-TT-944 ESA-TT-963  ESA-86-96885  ETN-86-96948 ETN-86-96949 ETN-86-96949 ETN-86-96949 ETN-86-96949 ETN-86-96990	226 994 994 995 994 995 995 995 995 995 995	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25989 N86-11837 N86-25116 N86-23276 N86-30344 N86-30345 N86-13902 N86-13903 N86-13903 N86-13904 N86-32107 N86-32107 N86-32107 N86-32107 N86-32108 N86-32108 N86-32108 N86-32109 N86-32109 N86-32109 N86-32097 N86-32097 N86-32097 N86-32097 N86-32097 N86-32097 N86-32097 N86-28614 N86-28626 N86-28801 N86-28835 N86-28835 N86-28835 N86-26875	并并并并并并并 并 单并并 并并非非非非非非非 排并 并 计并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8251 IAF PAPER 85-307 IAF PAPER 85-308 IAF PAPER 85-311 IAF PAPER 85-312 IAF PAPER 85-313 IAF PAPER 85-315 IAF PAPER 85-315 IAF PAPER 85-316 IAF PAPER 85-317 IAF PAPER 85-317 IAF PAPER 85-317 IAF PAPER 85-322 IAF PAPER 85-322 IAF PAPER 85-322	P 127 P 289 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 115 P 222 P 222 P 232 P 380 P 10 P 10 P 45 P 95 P 95 P 95 P 936 P 936 P 936 P 936 P 936 P 946	N86-32092 N86-19894 N86-27914 N86-25973 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-10733 N86-24217 * N86-3275 N86-23272 N86-23272 N86-23272 N86-23273 N86-23273 N86-23272 N86-23501 A86-15820 A86-15820 A86-15824 A86-15824 A86-15825 A86-15826 A86-15826 A86-15827 A86-15828 A86-15828 A86-15829 A86-15828	. 并并并并 并 并 并 并 并 并 并 并并并并 并并并并并并并并并并并并	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1985-9 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-023 JPRS-UBB-85-023 JPRS-UBB-85-024 JPRS-UBB-85-025 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-009 JPRS-UBB-86-000 JPRS-UBB-86-001 JPRS-UBB-86-003 JTECH-TAR-8404  L-15963 L-15989	P 42 P 20 P 20 P 23 P 95 P 100 P 100 P 427 P 283 P 105 P 405 P 188 P 39 P 57 P 54 P 4 P 83 P 109 P 209 P 202 P 278 P 376 P 56 P 56 P 57	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17996 N86-17994 N86-32100 N86-26801 N86-30337 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-16881 N86-18681 N86-18681 N86-23222 N86-28610	: 并 并养养养养养养养养养养 并 并 养 养养养养养养养养养 养养养养 养 养养
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-600/D-85-174 EPA-600/D-85-174 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-033 EPA-600/D-86-033 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-021  EPL-84-2/NASA-84-2  EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6  ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-4 ESA-CR(P)-2190-PT-5 ESA-TT-944 ESA-TT-963 ESA-86-96885 ETN-86-96988 ETN-86-96949 ETN-86-96949 ETN-86-96949 ETN-86-96949 ETN-86-96949 ETN-86-96949 ETN-86-96949	226 994 226 975 256 267 275 275 275 275 275 275 275 275 275 27	N86-24213 N86-24211 N86-24211 N86-16895 N86-17984 N86-24211 N86-25915 N86-25116 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13904 N86-13905 N86-24191 N86-32107 N86-32107 N86-32108 N86-32087 N86-2826 N86-28826 N86-28826 N86-28827 N86-28826 N86-28827 N86-28825 N86-289550	并并并并并并并 并 并并并 并并并并并并并并并 并并 并 并并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1393-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778  H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8211 IAF PAPER 85-304 IAF PAPER 85-307 IAF PAPER 85-311 IAF PAPER 85-311 IAF PAPER 85-312 IAF PAPER 85-312 IAF PAPER 85-315 IAF PAPER 85-316 IAF PAPER 85-317 IAF PAPER 85-317 IAF PAPER 85-316 IAF PAPER 85-321 IAF PAPER 85-321 IAF PAPER 85-322 IAF PAPER 85-322 IAF PAPER 85-324 IAF PAPER 85-326 IAF PAPER 85-326 IAF PAPER 85-326 IAF PAPER 85-326 IAF PAPER 85-327	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 380 P 100 P 100 P 105 P 252 P 352 P 355 P 355 P 356 P 366 P 367 P 36	N86-32092 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-25121 ** N86-18964 N86-23275 N86-23273 N86-23272 N86-23272 N86-23273 N86-23272 N86-23273 N86-23273 N86-23274 N86-1886 A86-15817 A86-15820 A86-15831 A86-15831	***************************************	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1986-2 IZF-1986-2 IZF-1986-4 JPL-PUB-85-100 JPRS-CST-85-019 JPRS-UBB-85-024 JPRS-UBB-85-025 JPRS-UBB-85-025 JPRS-UBB-86-004 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-002 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-001 JPRS-UBB-86-003 JTECH-TAR-8404 L-15963	P 42 P 20 P 20 P 23 P 95 P 100 P 100 P 427 P 283 P 105 P 405 P 188 P 39 P 57 P 54 P 4 P 83 P 109 P 209 P 202 P 278 P 376 P 56 P 56 P 57	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17996 N86-17994 N86-32100 N86-26801 N86-30337 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-16881 N86-18681 N86-18681 N86-23222 N86-28610	: 并 并养养养养养养养养养养 并 并 养 养养养养养养养养养 养养养养 养 养养
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-600/D-85-174 EPA-600/D-85-174 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-008 EPA-600/D-86-003 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-021  EPL-84-2/NASA-84-2  EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6  ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-4 ESA-CR(P)-2190-PT-5  ESA-TT-944 ESA-TT-945 ESA-TT-945 ESA-TT-946 ESA-B6-96845 ETN-86-96948 ETN-86-96948 ETN-86-96949 ETN-86-96949 ETN-86-96940 ETN-86-96940 ETN-86-96940 ETN-86-96900 ETN-86-97042 ETN-86-97042 ETN-86-97042 ETN-86-97043	226 994 994 995 995 995 995 995 995 995 995	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13903 N86-13904 N86-32107 N86-32107 N86-32107 N86-32108 N86-32110 N86-32099 N86-32110 N86-32097 N86-32087 N86-28511	并并并并并并并 并 并并并 并并并并并并并并并 并并 并 并并并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-133-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2 GPO-43-778 H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 IAF PAPER 85-307 IAF PAPER 85-307 IAF PAPER 85-311 IAF PAPER 85-316 IAF PAPER 85-317 IAF PAPER 85-322 IAF PAPER 85-324 IAF PAPER 85-325 IAF PAPER 85-327 IAF PAPER 85-365	P 127 P 289 P 159 P 248 P 376 P 37 P 37 P 37 P 222 P 272 P 2	N86-32092 N86-19894 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-15913 N86-15913 N86-10733 N86-24217 ** N86-25121 ** N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-15823 A86-15823 A86-15823 A86-15824 A86-15827 A86-15827 A86-15827 A86-15829	" 并并并并 并 并 并 并 并 并 并 并并并并并并并并并并并并并并并并并	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1986-2 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-025 JPRS-UBB-85-025 JPRS-UBB-86-004 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-001 JPRS-UBB-86-001 JPRS-UBB-86-001 JPRS-UBB-86-001 JPRS-UBB-86-003 JTECH-TAR-8404 L-15963 L-15989 L-15995	P 42 P 20 P 20 P 23 P 95 P 100 P 427 P 283 P 100 P 405 P 405 P 188 P 39 P 57 P 54 P 40 P 83 P 109 P 212 P 278 P 376 P 56 P 56 P 57 P 57 P 56 P 57	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17994 N86-32100 N86-26801 N86-30337 N86-12966 N86-12966 N86-15893 N86-14845 N86-1828 N86-2222 N86-23258 N86-28361 N86-15865 N86-15893 N86-18881 N86-19828 N86-27869 N86-27869 N86-27869 N86-27869 N86-27878 N86-27869 N86-27869 N86-27869 N86-27869 N86-27869 N86-27869 N86-27869 N86-27869 N86-27869	: 并 并养养养养养养养养养养 并 并 养 养养养养养养养养养 养养养养 养 养养
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-800/D-85-174 EPA-600/D-85-174 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-015 EPI-84-2/NASA-84-2 EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6  ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2196-PT-1 ESA-CR(P)-2190-PT-1 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-5 ESA-TT-944 ESA-TT-963 ESA-86-96885 ETN-86-96948 ETN-86-96948 ETN-86-96949 ETN-86-96949 ETN-86-96949 ETN-86-96990 ETN-86-97007 ETN-86-97007 ETN-86-97007 ETN-86-97042 ETN-86-97042 ETN-86-97044	226 994 994 995 995 995 995 995 995 995 995	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-28615 N86-25116 N86-25116 N86-23276 N86-13883 N86-30344 N86-30345 N86-13902 N86-13903 N86-13903 N86-13904 N86-32109 N86-32109 N86-32109 N86-32109 N86-32109 N86-32109 N86-32109 N86-32097 N86-32097 N86-32097 N86-32097 N86-32097 N86-32097 N86-32097 N86-32097 N86-32097 N86-28511 N86-28514 N86-28834 N86-28835 N86-28935 N86-29501 N86-29501	并并并并并并并 并 并并并 并并并并并并并并并并并 并并 并并并并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-84 FTD-ID(RS)T-1432-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2  GPO-43-778 H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8238 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-86-8257-VOL-2 IAF PAPER 84-184 IAF PAPER 85-304 IAF PAPER 85-304 IAF PAPER 85-311 IAF PAPER 85-311 IAF PAPER 85-311 IAF PAPER 85-313 IAF PAPER 85-315 IAF PAPER 85-316 IAF PAPER 85-317 IAF PAPER 85-317 IAF PAPER 85-317 IAF PAPER 85-322 IAF PAPER 85-322 IAF PAPER 85-325 IAF PAPER 85-325 IAF PAPER 85-325 IAF PAPER 85-326 IAF PAPER 85-366 IAF PAPER 85-465 IAF PAPER 85-468	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 222 P 222 P 222 P 230 P 115 P 222 P 380 P 10 P 145 P 35 P 35 P 35 P 36 P 36 P 36 P 36 P 36 P 36 P 36 P 36	N86-32092 N86-19894 N86-27914 N86-25973 N86-25973 N86-14884 N86-29494 N86-15913 N86-10733 N86-10733 N86-24217 * N86-23275 N86-23275 N86-23272 N86-23272 N86-23272 N86-23273 N86-23272 N86-23272 N86-23273 N86-23273 N86-23272 N86-23501 A86-15813 A86-15824 A86-15824 A86-15825 A86-15825 A86-15826 A86-15826 A86-15827 A86-15828 A86-15828 A86-15829	. 并并并并 并 并 并 并 并 并 并 并并并并 并并并并并并并并并并并并	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1986-2 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-023 JPRS-UBB-85-024 JPRS-UBB-86-004 JPRS-UBB-86-005 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-001 JPRS-UBB-86-003 JTECH-TAR-8404  L-15963 L-15989 L-15995	P 42 P 20 P 20 P 23 P 95 P 100 P 100 P 427 P 283 P 100 P 405 P 405 P 188 P 39 P 57 P 54 P 4 P 83 P 109 P 209 P 202 P 278 P 376 P 56 P 54 P 172 P 278 P 161 P 294 P 292	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17996 N86-17994 N86-32100 N86-26801 N86-30337 N86-30337 N86-22113 N86-12966 N86-15893 N86-14845 N86-14845 N86-16881 N86-18681 N86-23222 N86-28610 N86-15865 N86-14848 N86-23122 N86-28610 N86-15865 N86-18681 N86-1928 N86-27786 N86-28610 N86-15865 N86-18681 N86-2869 N86-28610 N86-15865 N86-18681 N86-27792 N86-2869	: 并 并并并并并并并并并并 并 并 并并并并并并并并并 并并并并 并 并并并 并
EPA-450/5-85-005C EPA-450/5-85-005D EPA-450/5-85-005D EPA-600/D-85-174 EPA-600/D-85-174 EPA-600/D-85-195 EPA-600/D-85-241 EPA-600/D-86-008 EPA-600/D-86-003 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-013 EPA-600/1-85-021  EPL-84-2/NASA-84-2  EPRI-EA-4189 EPRI-EA-4318-VOL-5 EPRI-EA-4318-VOL-6  ESA-CR(P)-2048-VOL-1 ESA-CR(P)-2048-VOL-2 ESA-CR(P)-2048-VOL-3 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-2 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-3 ESA-CR(P)-2190-PT-4 ESA-CR(P)-2190-PT-5  ESA-TT-944 ESA-TT-945 ESA-TT-945 ESA-TT-946 ESA-B6-96845 ETN-86-96948 ETN-86-96948 ETN-86-96949 ETN-86-96949 ETN-86-96940 ETN-86-96940 ETN-86-96940 ETN-86-96900 ETN-86-97042 ETN-86-97042 ETN-86-97042 ETN-86-97043	226 994 226 975 256 267 275 275 275 275 275 275 275 275 275 27	N86-24213 N86-24212 N86-16895 N86-17984 N86-24211 N86-25989 N86-11837 N86-25116 N86-23276 N86-21139 N86-30344 N86-30345 N86-13902 N86-13903 N86-13903 N86-13904 N86-32107 N86-32107 N86-32107 N86-32108 N86-32110 N86-32099 N86-32110 N86-32097 N86-32087 N86-28511	并并并并并并并 并 并并并 并并并并并并并并并 并并 并 并并并并并并并并	FTD-ID(RS)T-0395-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-1143-85 FTD-ID(RS)T-133-84 FTD-ID(RS)T-1432-84 FUB-24-1984  GAO/RCED-86-39BR  GIT-TR-85-2 GPO-43-778 H-86-02 H-86-05 HEL-TM-1-85 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 HHS/PUB/FDA-85-8248 IAF PAPER 85-307 IAF PAPER 85-307 IAF PAPER 85-311 IAF PAPER 85-316 IAF PAPER 85-317 IAF PAPER 85-322 IAF PAPER 85-324 IAF PAPER 85-325 IAF PAPER 85-327 IAF PAPER 85-365	P 127 P 289 P 159 P 248 P 64 P 376 P 73 P 3 P 242 P 272 P 380 P 10 P 10 P 10 P 10 P 10 P 10 P 10 P 1	N86-32092 N86-19894 N86-19894 N86-27914 N86-22083 N86-25973 N86-14884 N86-15913 N86-15913 N86-10733 N86-24217 ** N86-25121 ** N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-23273 N86-15823 A86-15823 A86-15823 A86-15824 A86-15827 A86-15827 A86-15827 A86-15829	" 并并并并 并 并 并 并 并 并 并 并并并并并并并并并并并并并并并并并	IU-CERL-RR-85-1-ONR  IZF-1984-19 IZF-1984-32 IZF-1984-34 IZF-1984-36 IZF-1985-10 IZF-1985-11 IZF-1985-11 IZF-1985-19 IZF-1985-9 IZF-1986-2 IZF-1986-2 IZF-1986-4  JPL-PUB-85-100  JPRS-CST-85-019  JPRS-UBB-85-024 JPRS-UBB-85-025 JPRS-UBB-85-025 JPRS-UBB-86-004 JPRS-UBB-86-001 JPRS-UBB-86-002 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-009 JPRS-UBB-86-001 JPRS-UBB-86-001 JPRS-UBB-86-001 JPRS-UBB-86-001 JPRS-UBB-86-003 JTECH-TAR-8404 L-15963 L-15989 L-15995	p 42 p 20 p 20 p 23 p 95 p 100 p 100 p 427 p 283 p 109 p 405 p 188 p 39 p 57 p 54 p 44 p 83 p 109 p 212 p 278 p 376 p 56 p 54 p 177 p 283 p 109 p 212 p 278 p 376 p 56 p 54 p 172 p 292 p 278 p 161 p 294 p 292 p 28 p 158	N86-12972 N86-10782 N86-10783 N86-10789 N86-17996 N86-17994 N86-17992 N86-26801 N86-2801 N86-22113 N86-12966 N86-15893 N86-14845 N86-14845 N86-14885 N86-18881 N86-23222 N86-23228 N86-23686 N86-28610 N86-15865 N86-18881 N86-14885 N86-27869 N86-28636 N86-18881 N86-27869 N86-28636 N86-18881 N86-27878 N86-27878 N86-28690 N86-28690 N86-28690 N86-28690	: 并 并并并并并并并并并并 并 并 并 并并并并并并并并 并并并并 并 并并并 并并

						•	NF-150/1-86
LA-10371-MS			NAS 1.26:176310 p 23	N86-11854 * #	NASA-CR-177002	- 005	NO
LA-10533=MS	p 258	N86-25986 #	NAS 1.26:176359 n 29	N86-13878 * #	NASA-CR-177003	0 385	N86-29508 * #
LAIR-IR-200	р 38	N86-12960 #	NAS 1.26:176413 p 67	N86-15898 * #	NASA-CR-177019	382	N86-29503 * #
		"	NAS 1.26:176482 p 18 NAS 1.26:176516 p 12:	0 N86-21138 * # 5 N86-19886 * #	NASA-CR-177029	411	N86-30343 * #
LAIR-201 LAIR-204		N86-14881 #	NAS 1.26:176523 p 14	8 N86-18990 * #	NASA-CR-177036	383	N86-29504 * # N86-29505 * #
CAIN-204	р 3/6	N86-28608 #	NAS 1.26:176539 p 17	1 N86-21109 * #	NASA-CR-177085	380	N86-29497 * #
LBL-18384	p 28	N86-12952 #	NAS 1.26:176541 p 17 NAS 1.26:176542 p 17	1 N86-21108 * # 1 N86-21106 * #	NASA-CR-177099	382	N86-29502 * #
LBL-20053	p 213	N86-24190 #	NAS 1.26:176543 p 17	1 N86-21107 * #	NASA-CR-177106	379	N86-30342 * # N86-29495 * #
LC-85-21526	n 158	N86-21097 * #	NAS 1.26:176609 p 180	N86-21139 * #	NASA-CR-177201	288	N86-27913 * #
LC-85-60945	p 83	N86-16880 #	NAS 1.26:176620 p 170 NAS 1.26:176659 p 180		NASA-CR-177382	99	N86-16902 * #
LIDORAGO	•		NAS 1.26:176673 p 244	3 N86-22113 * # 3 N86-25970 * #	NASA-CR-177388	99	N86-16901 * # N86-32101 * #
LIDS-P-1491 LIDS-P-1499			NAS 1.26.176820 p 25	7 N86-25978 * #	NASA-CR-178350	242	N86-32101 * # N86-24217 * #
LIDS-P-1503			NAS 1.26:176938 p 400		NASA-CR-178540	82	N86-16875 * #
	•	· ·	NAS 1.26:176945 p 380 NAS 1.26:176986 p 400	) N86-29498 * # 3 N86-31218 * #	NASA-CR-178837	272	N86-25121 * #
LIDS-TH-1501	p 235	N86-24214 #	NAS 1.26:177002 p 38!	N86-29508 * #	NASA-CR-179661	443	N86-32111 * # N86-33016 * #
LR-7552	p 380	N86-29497 * #	NAS 1.26:177003 p 38!	N86-29509 * #	NASA-CR-3922(02)	28	N86-12949 * #
		••	NAS 1.26:177019 p 382 NAS 1.26:177029 p 41	2 N86-29503 * # I N86-30343 * #	NASA-CR-3922(03)	106	N86-18949 * #
MBB-LKE-301/S/PUB/216	р 432	A86-47771 #	NAS 1.26:177030 p 382	N86-29504 * #	NASA-CR-3922(04) NASA-CR-3922(05)	209	N86-23218 * # N86-25109 #
MBL-1985-6	n 85	N86-17980 #	NAS 1.26:177036 p 383	N86-29505 * #	NASA-CR-3922(06)	248	N86-25971 * #
	p 00	1400-17300 #	NAS 1.26:177085 p 380 NAS 1.26:177099 p 382		NASA-CR-3922(07)	277	N86-27864 * #
MCR-83-607	р 23	N86-11854 * #	NAS 1.26:177106 p 410	2 N86-29502 * # 0 N86-30342 * #	NASA-CR-3922(08)	416	N86-32083 * #
MLM-3293-VOL-1	0.172	N06 01110 #	NAS 1.26:177117 p 379	N86-29495 * #	NASA-SP-4213	158	N86-21097 * #
			NAS 1.26:177201 p 288		NASA-SP-7011(275)	15	N86-10768 * #
MRL-R-972	p 295	N86-26839 #	NAS 1.26:177382 p 99 NAS 1.26:177388 p 99	N86-16902 * # N86-16901 * #	NASA-SP-7011(276)	37	N86-12954 * #
NADC-85016-60			NAS 1.26:177400 p 434	N86-32101 * #	NASA-SP-7011(278) p	287	N86-16888 * # N86-27905 * #
NADC-85074-60		N86-18966 # N86-17975 #	NAS 1.26:178350 p 242	N86-24217 * #	NASA-SP-7011(279)	114	N86-18960 * #
NADC-85115-60	p 404	N86-30329 #	NAS 1.26:178540 p 82 NAS 1.26:178837 p 272	N86-16875 * # 2 N86-25121 * #	NASA-SP-7011(280) p	221	N86-23265 * #
NADC-86011-60	р 443	N86-33020 #	NAS 1.26:179661 p 444	N86-32111 * #	NASA-SP-7011(282)p	120	N86-19850 * # N86-22093 * #
NAL-TR-880	n 176	N86-22096 #	NAS 1.26:179717 p 443	N86-33016 * #	NASA-SP-7011(283) p	223	N86-24192 * #
	-	"	NAS 1.26:3922(02) p 28 NAS 1.26:3922(03) p 106	N86-12949 * #	NASA-SP-7011(284)	255	N86-25111 #
NAMRL-SR-85-4	р 133	N86-18980 #	NAS 1.26:3922(04) p 209	N86-18949 * # N86-23218 * #	NASA-SP-7011(285)p NASA-SP-7011(286)p	282	N86-26797 * #
NAMRL-1313	n 10E	NOC 10000 #	NAS 1.26:3922(05) p 248	N86-25109 #	NASA-SP-7011(288)	422	N86-28612 * # N86-32088 * #
NAMRL-1315			NAS 1.26:3922(06) p 248	N86-25971 * #	•		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
NAMRL-1316	p 428	N86-32972 #	NAS 1.26:3922(07) p 277 NAS 1.26:3922(08) p 416		NASA-TM-58270 p	39	N86-13886 * #
NAMRL-1318	p 417	N86-32953 #	NAS 1.55:2425 p 297	N86-26844 * #	NASA-TM-78017	386	N86-22094 * # N86-28625 * #
NAS 1.15:58270	p.39	N86-13886 * #	NAS 1.55:2428 p 436	N86-32976 * #	NASA-TM-83102p	272	N86-25122 * #
NAS 1.15:77709	p 176	N86-22094 * #	NAS 1.60:2525 p 292 NAS 1.60:2547 p 294		NASA-TM-86424	42	N86-13892 * #
NAS 1.15:78017		N86-28625 * #	NAS 1.71:GSC-12944-1 p 126	N86-26836 * # N86-19885 * #	NASA-TM-86702 p	46 37	N86-13900 * # N86-12956 * #
NAS 1.15:83102 NAS 1.15:86424	p 272	N86-25122 * # N86-13892 * #	NAS 1.71:LAR-13393-1 p 187	N86-21147 * #	NASA-TM-86836	3	N86-10734 * #
NAS 1.15:86702	p 46	N86-13900 * #	NAS 1.71:MFS-26009-1SB p 188	N86-22114 * #	NASA-TM-86844p	20	N86-10777 * #
NAS 1.15:86834	р 37	N86-12956 * #	NASA-CASE-ARC-11534-1 p 385	N86-29507 * #	NASA-TM-87149p	46	N86-13899 * # N86-28624 * #
NAS 1.15:86836 NAS 1.15:86844	p3	N86-10734 * #	NASA-CASE-ARC-11543-1 p 384	N86-28620 * #	NASA-TM-88177p	29	N86-28624 * # N86-13879 * #
NAS 1.15:87149	p 20	N86-10777 * # N86-13899 * #	NASA-CASE-ARC-11610-1 p 384	N86-28619 * #	NASA-TM-88197	92	N86-16890 * #
NAS 1.15:87987	p 386	N86-28624 * #	NASA-CASE-ARC-11616-1p 384	N86-28618 * #	NASA-TM-88212 p NASA-TM-88215 p	92	N86-16889 * #
NAS 1.15:88177 NAS 1.15:88197	p 29	N86-13879 * #	NASA-CASE-GSC-12944-1 p 126	N86-19885 * #	NASA-TM-88223		N86-19906 * # N86-28606 * #
NAS 1.15:88212	p 92	N86-16890 * # N86-16889 * #	NACA CACE LAB ASSES		NASA-TM-88231p	379	N86-28613 * #
NAS 1.15:88215	. p 148	N86-19906 * #	NASA-CASE-LAR-12259-2 p 188 NASA-CASE-LAR-13393-1 p 187	N86-22112 * #	NASA-TM-88249 p NASA-TM-88379 p	417	N86-32950 * #
NAS 1.15:88223		N86-28606 * #			NASA-TM-88382p	189	N86-18950 * # N86-21150 * #
NAS 1.15:88231 NAS 1.15:88249			NASA-CASE-MFS-26009-1SB p 188	N86-22114 * #	NASA-TM-88775p	404	N86-30328 * #
NAS 1.15:88379	. p 107	N86-18950 * #	NASA-CP-2425 p 297		NASA-TM-88778p	379	N86-29496 * #
NAS 1.15:88382	. p 189	N86-21150 * #	NASA-CP-2428 p 436	N86-32976 * #	NASA-TM-89188 p NASA-TM-89228 p	393	N86-30302 * # N86-30303 * #
NAS 1.15:88775 NAS 1.15:88778	p 404	N86-30328 * # N86-29496 * #	•		NASA-TM-89234 p		N86-29513 * #
NAS 1.15:89188	р 393	N86-30302 * #	NASA-CR-171896 p 15	N86-10770 * #	·		
NAS 1.15:89228	р 397	N86-30303 * #	NASA-CR-171901 p 22 NASA-CR-171907 p 46	N86-10785 * # N86-13898 * #	NASA-TP-2525 p NASA-TP-2547 p	292	N86-27920 * # N86-26836 * #
NAS 1.15:89234 NAS 1.20:7011(279)	. p 386		NASA-CR-171910 p 99	N86-16903 * #	·		**************************************
NAS 1.21:4213	p 158	N86-18960 * # N86-21097 * #	NASA-CR-171926 p 408		NATICK-TR-86/004p	295	N86-26838 #
NAS 1.21:70011(280)	. p 221	N86-23265 * #	NASA-CR-171928 p 170 NASA-CR-176257 p 6	N86-21105 * # N86-11830 * #	NATICK-TR-86/008 p NATICK-TR-86/019 p		N86-26837 #
NAS 1.21:7011(275) NAS 1.21:7011(276)	. p 15	N86-10768 * #	NASA-CR-176277 p 21	N86-11850 * #	·		N86-31221 #
NAS 1.21:7011(277)	p 3/	N86-12954 * # N86-16888 * #	NASA-CR-176286 p 6	N86-11831 * #	NAVHLTHRSCHC-84-33p	63	N86-14879 #
NAS 1.21:7011(278)	p 287	N86-27905 * #	NASA-CR-176288 p 6 NASA-CR-176294 p 16	N86-11829 * # N86-11838 * #	NAVHLTHRSCHC-85-13 p NAVHLTHRSCHC-85-18 p	69	N86-15910 #
NAS 1.21:7011(281)	. p 120	N86-19850 * #	NASA-CR-176310 p 23	N86-11854 * #	NAVHLTHRSCHC-85-19p	176	N86-22109 # N86-22098 #
NAS 1.21:7011(282) NAS 1.21:7011(283)	. p 176	N86-22093 * #	NASA-CR-176359 p 29	N86-13878 * #	NAVHLTHRSCHC-85-24	127	N86-19891 #
NAS 1.21:7011(284)	. p 255	N86-24192 * # N86-25111 #	NASA-CR-176413 p 67 NASA-CR-176482 p 180	N86-15898 * #	NAVHITHRSCHC 85-33p	225	N86-24206 #
NAS 1.21:7011(285)	. p 282	N86-26797 * #	NASA-CR-176516 p 180		NAVHLTHRSCHC-85-42 p NAVHLTHRSCHC-85-9 p		N86-24207 # N86-18977 #
NAS 1.21:7011(286) NAS 1.21:7011(288)	p 379	N86-28612 * #	NASA-CR-176523 p 148	N86-18990 * #	•		
NAS 1.26:171896	. р 422 . р 15	N86-32088 * # N86-10770 * #	NASA-CR-176539 p 171	N86-21109 * #	NCHSR-85-127p	258	N86-25987 #
NAS 1.26:171901	. p 22	N86-10785 * #	NASA-CR-176541 p 171 NASA-CR-176542 p 171		NCSC-TECH-MAN-4110-1-83-REV-		
NAS 1.26:171907 NAS 1.26:171910	. p 46	N86-13898 * #	NASA-CR-176543 p 171	N86-21107 * #	Ap	147	N86-18989 #
NAS 1.26:171910	. p.40A	N86-16903 * # N86-30339 * #	NASA-CR-176609 p 180	N86-21139 * #			
NAS 1.26:171928	. p 170	N86-21105 * #	NASA-CR-176620 p 176 NASA-CR-176659 p 188		NCSC-TM-4110-2-85 p	444	N86-33022 #
NAS 1.26:176257	. p6	N86-11830 * #	NASA-CR-176673 p 248	N86-25970 * #	NCTRF-160p	75	N86-14901 #
NAS 1.26:176277 NAS 1.26:176286	. p 21	N86-11850 * # N86-11831 * #	NASA-CR-176820 p 257	N86-25978 * #			π
NAS 1.26:176288	. p6	N86-11829 * #	NASA-CR-176938 p 408 NASA-CR-176945 p 380		NDRE/PUBL-86/1002 p	255	N86-25112 #
NAS 1.26:176294		N86-11838 * #	NASA-CR-176986 p 408		NF-150/1-86p	434	N86-32102 * #
				"	р	704	1100-02102 #

,							HEFORT	NUN	DEN INDEX
NLR-MP-83025-U	n 72	N86-14895	#	PR-6	- 110	NOC 10070 #			
NLR-MP-85020-U			#	FR-0	P 110	N86-18979 #	SAE PAPER 851923		A86-35432 #
NLH-MF-85020-0	p 433	1400-32100	#	QTPR-20	n 390	N86-29533 #	SAE PAPER 851946	p 265	A86-36947 #
NI D TD 04007 II	- 000	NOO 00005			p 000	1100-20000 #	SAE PAPER 851956	p 270	A86-35454 * #
NLR-TR-84037-U	•		#	R-028-85	p 266	N86-25992 #	SAE PAPER 851991	p 263	A86-35430 #
NLR-TR-84116-L-PT-1			#	R-2		N86-14897 #	CAM TO 84 Sec		
NLR-TR-84116-L-PT-2		N86-33024	#			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	SAM-TR-84-362SAM-TR-84-366	p /0	A86-18833 #
NLR-TR-84116-L-PT-3		N86-32108	#	RADC-TR-85-265	p 427	N86-32098 #	SAW-111-04-300	p 59	A86-18837 #
NLR-TR-84116-L-PT-4	p 435	N86-32109	#				SAND-83-7450	n 04	N86-17983 #
NLR-TR-84116-L-PT-5	p 435	N86-32110	#	REPT-0059-85-1	p 43	N86-13895 #	O. 11.2 GO . 100	p 34	1400-17503 #
				REPT-10		N86-25987 #	SAPR-6	D 29	N86-13878 * #
NOSC/TR-1039			#	REPT-1		N86-17985 #		•	
NOSC/TR-1051	p 282	N86-26798	#	REPT-22		N86-22097 #	SAR-1	p 443	N86-33016 * #
				REPT-293-8		N86-18983 #			
NPL-AC-105	p 221	N86-23267	#	REPT-442-4		N86-10779 #	SNIAS-852-210-103	p 101	N86-17996 #
				REPT-4		N86-21145 #	SNIAS-852-430-107	p 93	N86-16894 #
NPRDC-TR-85-10			#	REPT-515		N86-17988 #			=
NPRDC-TR-86-8	p 236	N86-24215	#	REPT-85-1-ONR		N86-22111 #	SR-29	p 53	N86-14842 #
ND074 05 000				REPT-85-1		N86-11851 #			
NPS74-85-002	p 273	N86-25123	#	REPT-85167		N86-13900 * #	SSDC-30	p 409	N86-31226 #
NDC 4 1040	- 04	1100 47000		REPT-85406		N86-12956 * #	SSDC-32	p 409	
NRC-A-1042	p 94	N86-17983	#	REPT-85419		N86-10734 * #	SSDC-34	p 409	N86-31223 #
NRL-MR-5744	- 200	NOC 04007		NEF1-03419	p 20	N86-10777 * #			
MIL-MIN-3/44	h 393	1400-31207	#	RR-83-3-ONR	n 73	N86-15914 #	STC-TM-749	p 427	N86-32095 #
NSF/PRA-85016	n 161	NIPE 22002	#	RR-84-1-ONR		N86-18986 #	0.41055 0044		
140177114-05010	p ioi	1400-22092	Ħ	10104 1-0101	p 104	1400-10300 #	SVHSER-9811	p 46	N86-13898 * #
NSMRL-1037	n 308	N86-30306	#	S-550	n 39	N86-13886 * #	TDCK 70540		"
NSMRL-1056			π #		P 00	1100-10000 #	TDCK-79518	p 20	N86-10782 #
NSMRL-1058			#	SAE P-151	p 145	A86-26001 #	TDCK-79698	p 20	N86-10783 #
NSMRL-1061		N86-22108	#	SAE P-168			TDCK-79782 TDCK-79980	p 23	N86-10789 #
NSMRL-1062		N86-19893	#		,		TDCK-79980TDCK-86-0429	P 353	N86-17986 #
NSMRL-1067			#	SAE PAPER 841466	p 146	A86-26009 #	TDCK-86-0580	P 405	N86-26801 # N86-30336 #
NSMRL-1068			#	SAE PAPER 841468			TDCK-86-0585	p 405	N86-30337 #
NSMRL-1069-2			#	SAE PAPER 841471	p 145		TDCK-93219	p 400	N86-17992 #
	•		••	SAE PAPER 841472			TDCK-93252	D 85	N86-17980 #
NUREG/CR-3537	p 94	N86-17983	#	SAE PAPER 841489	p 132	A86-26019 * #	TDCK-93253		
NUREG/CR-4227	p 187	N86-21149	#	SAE PAPER 841491			TDCK-93254	p 100	N86-17994 #
				SAE PAPER 841492			TDCK-93575		N86-32100 #
N14-0001-85C-0001	p 291	N86-26831	#	SAE PAPER 841533					
				SAE PAPER 841534			TE4337-53-85	p 177	N86-22099 #
OEHL-86-020C0111BRA	p 402	N86-31214	#	SAE PAPER 841595				•	• • •
0151 0 10 0				SAE PAPER 841609			TI85-016435	p 187	N86-21149 #
ONRL-C-10-85			#	SAE PAPER 841611			TI85-018278	p 94	N86-17983 #
ONRL-C-13-85	p 2/6	N86-26794	#	SAE PAPER 841613					
OND! D 2 95	- 50	NOC 44040		SAE PAPER 841633			TOP-1-1-059	p 295	N86-26841 #
ONRL-R-3-85 ONRL-R-4-85		N86-14840	#	SAE PAPER 841634 SAE PAPER 841638	p 147	A86-26022 #			
OII/1E-71-4-00	p 55	N86-14841	#	SAE PAPER 850850			TOXICOLOGY-SER-77	р 376	N86-28608 #
ORNL-6201	n 28	N86-12953	#	SAE PAPER 850852			TD 440		
011112-0201	P 20	1400-12955	TT .	SAE PAPER 851311			TR-103		N86-15908 #
ORNL/M-88	n 161	N86-22091	#	SAE PAPER 851312			TR-112-18		N86-14839 #
	μ	1100 22001	"	SAE PAPER 851313			TR-112-19		N86-15899 #
ORNL/TM-9752	D 114	N86-18962	#	SAE PAPER 851315			TR-15		
			"	SAE PAPER 851332			TR-15	p 200	N86-25120 # N86-27918 #
OST/BULL-65	p 256	N86-25117	#	SAE PAPER 851333	p 137	A86-23522 #	TR-2-ONR	p 209	
	•		•	SAE PAPER 851334			TR-21		
PAR-85-108	p 295	N86-26843	#	SAE PAPER 851335			TR-27		N86-12961 #
PAR-85-109	p 295	N86-26840	#	SAE PAPER 851337			TR-28		
				SAE PAPER 851339			TR-29	p 417	N86-32952 #
PB85-207462		N86-11837	#	SAE PAPER 851340			TR-7		
PB85-222750		N86-13906	#	SAE PAPER 851341	p 138	A86-23528 * #	TR-85-1-ONR	p 70	N86-14888 #
PB85-240067		N86-16880	#	SAE PAPER 851342			TR-85-3-ONR		N86-11843 #
PB85-243467		N86-16895	#	SAE PAPER 851343		,	TR-85-3-ONR	p 134	N86-18985 #
PB85-245181 PB85-245975		N86-16896	#	SAE PAPER 851345			TR-85-5-ONR		N86-11842 #
		N86-17984	#	SAE PAPER 851346			TR-85-7-ONR		N86-11852 #
PB86-109386 PB86-109485			# #	SAE PAPER 851347 SAE PAPER 851348			TR-86-1-ONR		N86-27922 #
PB86-113735			# #	SAE PAPER 851349			TR-86-2-ONR	p 291	N86-26833 #
PB86-114089			#	SAE PAPER 851370			LICID agese	- 655	N00 000
PB86-114105			#	SAE PAPER 851372			UCID-20636	р 385	N86-28623 #
PB86-116530			#	SAE PAPER 851374			UCRL-15688	. 444	Nos agons "
PB86-117280	. p 222	N86-23277	#	SAE PAPER 851375			UCRL-13688		N86-33023 #
PB86-123718			#	SAE PAPER 851376			UCRL-92501		N86-11847 # N86-11853 #
PB86-125903	. p 222	N86-23273	#	SAE PAPER 851377			UCRL-92834		N86-11853 # N86-10737 #
PB86-126075	. p 222	N86-23274	#	SAE PAPER 851388	p 140	A86-23567 * #	UCRL-92835		N86-11834 #
PB86-127081		N86-25117	#	SAE PAPER 851390	p 104	A86-23568 #	UCRL-92836		N86-14883 #
PB86-130028	. p 226	N86-24211	#	SAE PAPER 851391			UCRL-92925		N86-23281 #
PB86-133790	. p 258	N86-25987	#	SAE PAPER 851393	p 141	A86-23570 #	UCRL-94415		
PB86-135779	. p 273	N86-25126	#	SAE PAPER 851394	p 141	A86-23571 #			, ,
PB86-144755	. p 258	N86-25988	#	SAE PAPER 851395	p 104	A86-23572 #	UDC-572.788.916.3	p 277	N86-27865 #
PB86-145471	. р 379	N86-28615	#	SAE PAPER 851397	p 104	A86-23574 #	UDC-612.843:681.3	p 288	N86-27906 #
PB86-156940	. p 258	N86-25989		SAE PAPER 851398			UDC-612.86:6512.825.5:159.933 .		N86-27907 #
PB86-184934	. р 380	N86-29501	#	SAE PAPER 851775	p 263	A86-35427 * #			
PFTR-1126-85-11	0.400	Noc occas	,,	SAE PAPER 851776			US-PATENT-APPL-SN-250991		N86-15897 #
11111-1120-05-11	. p 428	N86-32973	#	SAE PAPER 851778			US-PATENT-APPL-SN-280152		N86-22112 * #
PIR-1126-85-4	n 400	Noe noor:		SAE PAPER 851779			US-PATENT-APPL-SN-331091		N86-12955 #
1120-00-7	. p 429	1100-32974	#	SAE PAPER 851801	p 270	A86-35433 * #	US-PATENT-APPL-SN-542967		N86-16891 #
PNL-SA-12638	n 17	N86-11845	#	SAE PAPER 851802 SAE PAPER 851803	p 204	ADC 25434 T	US-PATENT-APPL-SN-585092		N86-32955 #
PNL-SA-13155		N86-12965		SAE PAPER 851877	. µ∠/∪	A86-35435 * # A86-35440 #	US-PATENT-APPL-SN-612776		N86-32951 #
PNL-SA-13158		N86-21102		SAE PAPER 851900	. µ 270	A86-35440 # A86-36940 #	US-PATENT-APPL-SN-613497		N86-18988 #
PNL-SA-13193		N86-10772		SAE PAPER 851915			US-PATENT-APPL-SN-642602		N86-29507 * #
PNL-SA-13716		N86-31215	#	SAE PAPER 851916			US-PATENT-APPL-SN-660778 US-PATENT-APPL-SN-676046		N86-12962 #
				SAE PAPER 851917			US-PATENT-APPL-SN-676046		N86-17978 # N86-28619 * #
PPSP/JHU/PPSE-T-34	. p 222	N86-23277	#	SAE PAPER 851921			US-PATENT-APPL-SN-684192		N86-28620 * #
									#

US-PATENT-APPL-SN-760799 US-PATENT-APPL-SN-768650 US-PATENT-APPL-SN-780123 US-PATENT-APPL-SN-788371 US-PATENT-APPL-SN-793006 US-PATENT-APPL-SN-805011	P 443 P 20 P 45 P 37 P 187 P 248 P 249 P 443 P 126	N86-28618
US-PATENT-CLASS-2-2.1R US-PATENT-CLASS-2-2.1R US-PATENT-CLASS-28-168 US-PATENT-CLASS-285-168 US-PATENT-CLASS-285-168 US-PATENT-CLASS-285-184 US-PATENT-CLASS-285-127 US-PATENT-CLASS-351-243 US-PATENT-CLASS-362-62 US-PATENT-CLASS-414-1 US-PATENT-CLASS-414-7 US-PATENT-CLASS-414-7 US-PATENT-CLASS-414-7 US-PATENT-CLASS-414-8	P 384 P 417 P 37 P 188 P 384 P 385 P 384 P 386 P 384 P 384 P 384 P 385 P 386 P	N86-18988 # N86-28618 * # N86-28619 * # N86-28618 * * * * * * * * * N86-28618 * * * * * * * * * * * * * * * * * * *
US-PATENT-CLASS-424-10  US-PATENT-4,509,522  US-PATENT-4,532,122  US-PATENT-4,534,338  US-PATENT-4,554,338  US-PATENT-4,580,196  US-PATENT-4,580,196  US-PATENT-4,593,415  US-PATENT-4,594,734  US-PATENT-4,594,734  US-PATENT-4,598,427  US-PATENT-4,598,428  US-PATENT-4,598,428  US-PATENT-4,03-164	p 37 p 67 p 147 p 188 p 423 p 443 p 417 p 384	N86-15897 #  N86-12955 # N86-15897 # N86-18988 * N86-32955 # N86-32951 # N86-28618 * # N86-28619 * N86-28619 * N86-29507 * # N86-19827 #
USAARL-85-4 USAARL-85-5 USAARL-86-1 USAEHA-75-51-0132-85 USAEHA-75-51-0132-85	p 154 p 154 p 416 p 17 p 40	N86-19946 # N86-19945 # N86-32084 # N86-11844 # N86-13891 #
USAF SAM-TR-84-298USAF SAM-TR-85-20	p 68 p 18 p 131	N86-15903 # A86-10258 # A86-25655 #
USAFA-TR-86-3		
USAFSAM-SR-85-3		
USAFSAM-TP-85-14 USAFSAM-TP-85-1 USAFSAM-TP-85-6	p 38	N86-12959 #
USAFSAM-TR-84-19 USAFSAM-TR-84-52 USAFSAM-TR-85-102 USAFSAM-TR-85-18 USAFSAM-TR-85-28 USAFSAM-TR-85-20 USAFSAM-TR-85-30 USAFSAM-TR-85-37 USAFSAM-TR-85-49 USAFSAM-TR-85-64 USAFSAM-TR-85-64 USAFSAM-TR-85-64 USAFSAM-TR-85-64	p 71 p 224 p 443 p 273 p 63 p 38 p 69 p 290 p 40 p 53 p 291 p 292 p 289	N86-33021 # N86-25993 # N86-12963 # N86-15909 # N86-27919 # N86-1888 N86-14842 # N86-26832 # N86-27921 # N86-27915 #
USARIEM-M-1/86 USARIEM-M-11/86 USARIEM-M-12/86 USARIEM-M-13/86 USARIEM-M-15/86 USARIEM-M-19/86 USARIEM-M-2/86	p 257 p 248 p 289 p 289 p 398	N86-30305 #

USARIEM-M-20/86	D 402	N86-31211	#
USARIEM-M-21/86		N86-31213	#
USARIEM-M-22/86		N86-31212	#
USARIEM-M-23/86		N86-30307	#
USARIEM-M-28/86		N86-32091	#
USARIEM-M-31/85	p 16	N86-11841	#
USARIEM-M-32/86	p 425	N86-32963	#
USARIEM-M-34/85	p 6	N86-11832	#
USARIEM-M-39/85	p 83	N86-16877	#
USARIEM-M-4/86	p 242	N86-24218	#
USARIEM-M-41/85	p 115	N86-18967	#
			•
USARIEM-M27/86		N86-32957	#
USARIEM-M33/85		N86-13887	#
USARIEM-M33/86	p 425	N86-32962	#
USARIEM-M36/85	p 63	N86-14875	#
USARIEM-M38/85		N86-15904	#
USARIEM-M40/85		N86-21111	#
USARIEM-M5/86	p 242	N86-24219	#
USARIEM-M7/86	p 224	N86-24203	#
USARIEM-T-6/84	p 116	N86-18970	#
USARIEM-T10/85	p 178	N86-22104	#
USARIEM-T6/85		N86-16876	#
USARIEM-T7/85	p 224	N86-24202	#
USCG-D-17-85	p 75	N86-14898	#
UTIAS-293	p 72	N86-15911	#
\## <b></b>			
VK-83-02	p 291	N86-26834	#
VK-83-04	p 290	N86-26826	#
VK-83-05	p 290	N86-26827	#
VK-84-10	p 423	N86-32954	#
MILLE OAG			
VTH-LR-310	p 100	N86-17991	#
WCED on a			
WCER-86-3	p 382	N86-28617	#
MER MARIA OF O			
WES/MP/A-85-3	p 212	N86-24184	#
WES/MD/EL SE 1 DEV	- 00	Non	
WES/MP/EL-85-1-REV	p 28	N86-12950	#

### **ACCESSION NUMBER INDEX**

### AEROSPACE MEDICINE AND BIOLOGY / A Continuing Bibliography 1986 Cumulative Index

January 1987

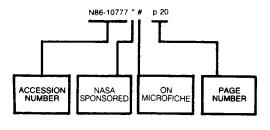
A86-22258 # A86-22324 #

A86-22325 \*#

p 81

p 98

#### **Typical Accession Number Index Listing**



Listings in this index are arranged alphanumerically by accession number. The page number listed to the right indicates the page on which the citation is located. An asterisk (\*) indicates that the item is a NASA report. A pound sign (#) indicates that the item is available on microfiche.

A86-10101 #	p 1	A86-12426 #	p 11
A86-10102 #	p 21	A86-12427 #	p 11
A86-10103 #	p 1	A86-12428 #	p 11
A86-10104 *#	p 1	A86-12429 #	D 11
	•	A86-12430 #	p 11
A86-10105 #	p 7	A86-12431 #	p 19
A86-10106 #	p 7	A86-12432 #	p 11
A86-10107 #	p 1	A86-12433 #	p 11
A86-10108 #	p 8	A86-12434 #	p 12
A86-10109 *#	p 1	A86-12435 #	p 12
A86-10110 #	p 8	A86-12436 #	p 22
A86-10111 #	p 8	A86-12520 #	р3
A86-10157 #	p 18	A86-12521 #	р3
A86-10158 #	p 22	A86-12522 #	p 3
A86-10251 #	p 8	A86-13223 #	p 43
A86-10252 #	p 1	A86-13263 #	p 44
A86-10253 #	p 8	A86-13298 #	p 31
A86-10254 #	p 2	A86-13299 #	p 31
A86-10255 #	p 2	A86-13300 #	p 31
A86-10256 #	p 2	A86-13457 #	p 25
A86-10257 *#	p 8	A86-13460 #	p 25
A86-10258 #	p 18	A86-13567 #	p 31
A86-10259 #	p 8	A86-13568 #	p 31
A86-10260 #	p 18	A86-13569 #	p 40
A86-10261 #	p 18	A86-13570 #	p 44
A86-10262 #	p 9	A86-13571 #	p 44
A86-10263 #	p 22	A86-13572 #	p 31
A86-10493 #	p 18	A86-13573 #	p 32
A86-10695 #	p 9	A86-13648 #	p 25
A86-10696 # A86-10697 #	p 9	A86-13941 #	p 32
	p 9	A86-13942 #	p 44
A86-10698 #	p 9	A86-13943 #	p 41
A86-10699 #	p 9	A86-13944 #	p 41
A86-10700 #	p 9	A86-13974 #	p 47
A86-10701 #	p 10	A86-14114 #	p 48
A86-10750 #	p 10	A86-14115 #	p 48
A86-11147 # A86-11148 #	p 19	A86-14117 #	p 25
	p 19	A86-14119 #	p 25
A86-11750 # A86-11802 #	p 10	A86-14123 #	p 48
A86-11802 # A86-11833 *#	p 2	A86-14124 * #	p 26
A86-12001 *#	p 10	A86-14143 #	p 41
A86-12001 #	p 2	A86-14238 * #	p 44
A86-12002 #	p 2 p 23	A86-14310 #	p 32
	P	A86-14311 * #	p 44
A86-12004 # A86-12026 * #	p 24	A86-14312 * #	p 32
	p 2	A86-14313 * #	p 26
A86-12061 # A86-12362 #	p 19	A86-14314 #	p 26
	p 10	A86-14315 #	p 32
A86-12363 # A86-12376 #	p 10 p 10	A86-14316 #	p 32
A86-12377 #	p 10	A86-14317 #	p 32
A86-12378 #	p 3	A86-14318 #	p 33
A86-12379 #	p 22	A86-14319 #	p 33
A86-12380 *#	p 3	A86-14320 #	p 44
A86-12381 #	p3	A86-14321 #	p 41
A86-12382 #	p3		
700 12302 #	μU	A86-14386 #	p 26

A86-1-		#	p 41
A86-1		#	p 26 p 26
A86-1		#	p 26
A86-1		#	p 27
A86-1		#	p 48 p 33
A86-1		#	p 27
A86-1	5467	#	p 27
A86-1	54/4 5512	#	p 27 p 33
A86-1	5513	#	p 27
A86-1		#	p 33
A86-1: A86-1:	5516	#	p 33 p 34
A86-1: A86-1: A86-1:	5517	#	p 34
A86-1	5518 5510	#	p 34 p 34
A86-1		#	p 34
A86-1	5521	#	p 27
A86-1	5523	#	p 34 p 35
A86-1	5524	#	p 41
A86-1		#	p 27
A86-1	5817	#	p 35 p 45
A86-1	5819	#	p 45
A86-1		*#	p 45 p 35
A86-1	5823	*#	p 35
A86-1	5824	*#	p 35
A86-1		•#	р 35 р 36
A86-1	5827	#	p 36
A86-1		*#	p 36 p 36
A86-1		•#	p 36
A86-1	5831	#	p 41
A86-1	5832	*#	p 36 p 48
A86-1	5921	#	p 48
A86-1		#	p 45
A86-10 A86-10		#	p 36 p 36
A86-1	6053	#	p 37
A86-1	6054	#	p 28
A86-1		#	p 28 p 76
A86-1		#	p 76
A86-1		#	p 49 p 49
A86-1	6753	#	p 58
A86-1	6754	#	p 49
A86-1	6800	#	р 49 р 49
A86-1	6901	*#	p 49
A86-1		*#	р 49 р 69
A86-1	6924	•#	p 50
A86-1 A86-1	7062	# #	p 69
A86-1	7320 7351	#	p 73 p 58
A86-1	/352	#	p 70
A86-1 A86-1		#	p 50 p 73
A86-1		•#	p 50
A86-1		#	p 76
A86-1		*#	р 50 р 77
A86-1	7771	*#	p 74
A86-1		# *#	p 70 p 70
A86-1		#	р 70 р 77
A86-1	7808	#	p 50
A86-1		*#	p 58 p 50
A86-1	8027	*#	p 51
A86-1		#	p 51
A86-1		#	p 51 p 51
A86-1	8032	#	p 51
A86-1		#	p 51 p 51
A00-1	~~~	17	731

A86-18150 #	p 52
A86-18181 #	p 52
A86-18397 *#	p 52
A86-18398 *#	p 52
	p 52
	p 52
A86-18400 * #	p 52
A86-18513 #	p 52
A86-18541 *#	p 74
A86-18546 #	
	p 70
A86-18547 #	p 58
A86-18548 #	p 58
A86-18730 #	p 74
A86-18730 # A86-18731 #	·
A86-18731 #	p 74
A86-18744 #	p 52
A86-18831 # A86-18832 #	p 58
A86-18832 #	p 59
A86-18833 #	
A86-18834 *#	p 59
A86-18835 #	p 59
A86-18836 #	p 59
A86-18837 #	
	p 59
A86-18838 #	p 59
A86-18839 #	p 60
A86-18840 #	p 52
ADC 10040 #	
A86-18841 # A86-18842 #	p 52
A86-18842 #	p 53
A86-18844 #	p 60
A86-18845 #	
A00-100-0 #	
A86-19126 *#	p 77
A86-19300 #	p 79
A86-19302 #	p 96
A86-19302 # A86-19304 *#	
100-15304 #	
A86-19309 #	p 96
A86-19310 # A86-19315 #	p 96
A86-19315 #	p 96
A86-19329 #	
A00-19929 #	
A86-19330 #	p 96
A86-19330 # A86-19332 #	p 85
A86-19333 #	p 97
A96-10336 #	•
A86-19336 # A86-19338 #	
	p 97
A86-19341 #	p 97
A86-19342 #	p 97
A86-19343 #	p 97
A86-19344 #	p 97
A86-19345 #	p 98
	p 85
A86-19346 # A86-19347 #	p 85
A00-19347 #	
A86-19348 #	p 86
A86-19351 #	p 86
A86-19351 # A86-19811 *#	p 98
A86-19963 *#	
A86-19963 *#	p 79
A86-20001 *#	p 79
A86-20002 #	p 86
A86-20003 #	p 86
A86-20004 #	p 86
A00-20000 #	p 79
A86-20005 # A86-20110 #	р79 р98
A86-20110 #	p 98
A86-20110 # A86-20401 #	p 98 p 86
A86-20110 # A86-20401 #	p 98 p 86 p 87
A86-20110 # A86-20401 #	p 98 p 86 p 87 p 87
A86-20110 # A86-20401 # A86-20402 *# A86-20403 # A86-20404 *#	p 98 p 86 p 87 p 87
A86-20110 # A86-20401 # A86-20402 *# A86-20403 # A86-20404 *#	p 98 p 86 p 87 p 87 p 80
A86-20110 # A86-20401 # A86-20402 * # A86-20403 # A86-20404 * # A86-20405 #	p 98 p 86 p 87 p 87 p 80 p 87
A86-20110 # A86-20401 # A86-20402 * A86-20403 # A86-20404 * A86-20405 # A86-20406 #	p 98 p 86 p 87 p 87 p 80 p 87 p 87
A86-20110 # A86-20401 # A86-20402 * A86-20403 # A86-20404 * A86-20405 # A86-20406 # A86-20407 #	p 98 p 86 p 87 p 87 p 80 p 87 p 87 p 87
A86-20110 # A86-20401 # A86-20402 * A86-20403 # A86-20404 * A86-20405 # A86-20406 # A86-20407 #	p 98 p 86 p 87 p 87 p 80 p 87 p 87 p 87
A86-20110 # A86-20401 # A86-20402 * # A86-20403 # A86-20404 * # A86-20405 # A86-20407 # A86-20407 # A86-20408 # #	p 98 p 86 p 87 p 87 p 80 p 87 p 87 p 87 p 87
A86-20110 # A86-20401 * A86-20402 * A86-20403 * A86-20404 * A86-20405 # A86-20406 # A86-20407 * A86-20409 # A86-20409 #	P 98 P 86 P 87 P 80 P 87 P 87 P 87 P 87 P 87 P 94 P 94
A86-20110 # A86-20401 * A86-20402 * A86-20403 # A86-20405 # A86-20406 # A86-20407 # A86-20408 # A86-20408 # A86-20408 # A86-20409 #	p 98 p 86 p 87 p 87 p 80 p 87 p 87 p 87 p 94 p 94 p 87
A86-20110 # A86-20401 # A86-20402 * A86-20403 # A86-20404 * A86-20405 # A86-20406 # A86-20408 # A86-20409 # A86-20409 # A86-20409 # A86-20409 # A86-20407 #	p 98 p 86 p 87 p 87 p 80 p 87 p 87 p 87 p 94 p 94 p 87 p 98
A86-20110 # A86-20401 # A86-20402 # A86-20403 # A86-20404 # A86-20406 # A86-20406 # A86-20408 # A86-20409 # A86-20409 # A86-20507 # A86-20899 #	p 98 p 86 p 87 p 87 p 80 p 87 p 87 p 87 p 94 p 94 p 87
A86-20110 # A86-20401 # A86-20402 # A86-20403 # A86-20404 # A86-20406 # A86-20406 # A86-20408 # A86-20409 # A86-20409 # A86-20507 # A86-20899 #	p 98 p 86 p 87 p 87 p 80 p 87 p 87 p 87 p 87 p 94 p 94 p 94 p 87 p 98
A86-20110 # A86-20401 # A86-20402 * # A86-20402 * A86-20405 # A86-20406 # A86-20407 # A86-20408 # A86-20408 # A86-20409 # A86-20507 # A86-20899 # A86-20900 #	p 98 p 86 p 87 p 87 p 80 p 87 p 87 p 87 p 94 p 94 p 87 p 98 p 94
A86-20110 # A86-20401 # A86-20402 * A86-20402 * A86-20405 # A86-20406 # A86-20408 # A86-20408 # A86-20408 # A86-20409 # A86-20409 # A86-20507 # A86-20699 # A86-20902 #	p 98 p 86 p 87 p 87 p 80 p 87 p 87 p 94 p 94 p 98 p 94 p 94
A86-20110 # A86-20401 # A86-20402 * A86-20403 # A86-20404 * A86-20406 # A86-20406 # A86-20407 # A86-20409 # A86-20409 # A86-20507 # A86-20900 # A86-20902 # A86-20902 #	p 98 p 86 p 87 p 87 p 87 p 87 p 87 p 94 p 94 p 94 p 94 p 94 p 94 p 94
A86-20110 # A86-20401 # A86-20402 * A86-20402 * A86-20405 # A86-20406 # A86-20406 # A86-20408 # A86-20409 # A86-20507 # A86-20900 # A86-20972 * A86-20907 # A86-20972 * A86-21068 * A86-21	p 98 p 86 p 87 p 87 p 87 p 87 p 87 p 87 p 94 p 94 p 94 p 94 p 95 p 95 p 98
A86-20110 # A86-20401 # A86-20402 * A86-20402 * A86-20405 # A86-20406 # A86-20406 # A86-20408 # A86-20409 # A86-20410 # A86-20410 # A86-20507 # A86-20972 # A86-21068 * A86-21097 # A86-21097 # A86-21097 #	p 98 p 86 p 87 p 87 p 87 p 87 p 87 p 94 p 94 p 94 p 94 p 94 p 94 p 94
A86-20110 # A86-20401 # A86-20402 * # A86-20402 * # A86-20405 # A86-20406 # A86-20408 # A86-20409 # A86-20409 # A86-20900 # A86-20902 # A86-21097 # A86-21007 # A8	p 98 p 86 p 87 p 87 p 87 p 87 p 87 p 94 p 94 p 94 p 98 p 94 p 95 p 98 p 98 p 98
A86-20110 # A86-20401 # A86-20402 * A86-20402 * A86-20403 * A86-20406 # A86-20406 # A86-20409 # A86-20409 # A86-20409 # A86-20409 # A86-20507 # A86-20900 # A86-20972 # A86-21088 * A86-21084 * A86-21085 # A86-21086 *	p 98 p 86 p 87 p 87 p 87 p 87 p 87 p 94 p 94 p 94 p 94 p 94 p 95 p 98 p 87 p 88
A86-20110 # A86-20401 # A86-20402 # A86-20402 # A86-20406 # A86-20406 # A86-20408 # A86-20409 # A86-20409 # A86-20507 # A86-20	P 98 P 86 P 87 P 94 P 87 P 94 P 87 P 94 P 95 P 96 P 96 P 87 P 80 P 88
A86-2010 # A86-20401 # A86-20402 * A86-20403 * A86-20405 # A86-20406 # A86-20408 # A86-20408 # A86-20409 # A86-20409 # A86-20409 # A86-20409 # A86-20507 # A86-20900 # A86-20902 # A86-21068 * A86-21064 # A86-21451 # A86-21451 # A86-21452 # A86-21454 #	P 98 P 86 P 87 P 94 P 94 P 94 P 94 P 95 P 98 P 98 P 98 P 88 P 88 P 88
A86-20110 # A86-20401 # A86-20402 # A86-20402 # A86-20406 # A86-20406 # A86-20408 # A86-20409 # A86-20409 # A86-20507 # A86-20	P 98 P 86 P 87 P 94 P 87 P 94 P 87 P 94 P 95 P 96 P 96 P 87 P 80 P 88
A86-20110 # A86-20401 # A86-20402 * A86-20402 * A86-20405 # A86-20406 # A86-20407 # A86-20408 # A86-20409 # A86-20409 # A86-20410 # A86-20410 # A86-20410 # A86-20410 # A86-20410 # A86-21451 # A86-21451 # A86-21452 # A86-21455 #	P 98 P 86 P 87
A86-20110 # A86-20401 # A86-20402 * A86-20402 * A86-20403 * A86-20406 # A86-20406 # A86-20409 # A86-20409 # A86-20409 # A86-20507 # A86-20900 # A86-20972 * A86-21088 * A86-21085 * A86-21451 # A86-21451 # A86-21453 # A86-21453 # A86-21455 # A86-21557 # A86-21	P 98 P 86 P 87 P 94 P 94 P 94 P 94 P 94 P 94 P 98 P 98 P 88 P 88 P 80 P 80 P 80
A86-20110 # A86-20401 # A86-20402 * A86-20402 * A86-20403 * A86-20406 # A86-20406 # A86-20409 # A86-20409 # A86-20409 # A86-20507 # A86-20507 # A86-20507 # A86-20507 # A86-21658 # A86-21452 # A86-21452 # A86-21453 # A86-21455 # A86-21455 # A86-21588 #	P 98 P 86 P 87
A86-20110 # A86-20401 # A86-20402 * A86-20402 * A86-20403 * A86-20406 # A86-20406 # A86-20409 # A86-20409 # A86-20409 # A86-20507 # A86-20900 # A86-20972 * A86-21088 * A86-21085 * A86-21451 # A86-21451 # A86-21453 # A86-21453 # A86-21455 # A86-21557 # A86-21	P 98 P 86 P 87 P 94 P 94 P 94 P 94 P 94 P 94 P 98 P 98 P 88 P 88 P 80 P 80 P 80
A86-20110 # A86-20401 # A86-20402 * A86-20403 * A86-20405 # A86-20406 # A86-20406 # A86-20407 # A86-20408 # A86-20409 # A86-20409 # A86-20409 # A86-20900 # A86-20900 # A86-20902 # A86-21089 * A86-21452 # A86-21453 # A86-21453 # A86-21454 # A86-21587 # A86-21587 # A86-21588 # A86-21644 #	P 98 P 86 P 87 P 94 P 87 P 94 P 87 P 94 P 95 P 98 P 80 P 80 P 80 P 80 P 101
A86-20110 # A86-20401 # A86-20402 * A86-20402 * A86-20403 * A86-20406 # A86-20406 # A86-20409 # A86-20409 # A86-20409 # A86-20507 # A86-20507 # A86-20507 # A86-20507 # A86-21658 # A86-21452 # A86-21452 # A86-21453 # A86-21455 # A86-21458 # A86-21588 #	P 98 P 86 P 87 P 94 P 87 P 94 P 94 P 95 P 98 P 88 P 80 P 80 P 80

A86-22325	*#	p 98
A86-22524	#	p 88
A86-22525	#	p 88
A86-22532	# #	D 88
A86-22532 A86-22533	#	p 88
A86-22534	#	p 88
A86-22535	#	p 88 p 88 p 89
A86-22536	#	p 89
A86-22537	#	p 89
A86-22538	#	p 89
A86-22539	#	p 89 p 89
A86-22540	#	p 89
A86-22541	#	p 89
A86-22542	#	p 89 p 90
A86-22543	#	p 90
A86-22544	#	p 90
A86-22545	#	n 90
A86-22546	#	p 81 p 81 p 81
A86-22547	#	p 81
A86-22548	#	p 81
A86-22549	#	
A86-22567	#	p 90 p 90 p 90 p 81 p 81
A86-22568	#	p 90
A86-22569	#	p 90
A86-22593	#	p 81
A86-22594	#	p 81
A86-22595	#	p 81
A86-22626	#	p 99
A86-22650	#	0.82
A86-22663	#	p 82 p 91 p 91 p 91
A86-22664	*#	p 91
A86-22665	#	p 91
A86-22666	#	p 91
A86-22709	•#	p 82 p 82
A86-22710	*#	p 82
A86-22711	•#	p 91
A86-22711 A86-22713	*#	p 82
A86-22996	•#	p 110
A86-23225	#	p 103
A86-23311	*#	p 82 p 110 p 103 p 103
A86-23424	#	p 137
A86-23490	#	p 103
A86-23491	#	p 103 p 103 p 103
A86-23492	#	p 103 p 103
A86-23493	#	p 103
A86-23494	#	p 110
A86-23495	#	p 110 p 110
A86-23502	•#	p 110
A86-23503	#	p 110
A86-23504	*#	
A86-23505	*#	p 111 p 137
A86-23521	#	p 137
A86-23522	#	p 137
A86-23523	*#	p 137
A86-23524	#	p 138
A86-23525	#	p 111 p 138 p 138
A86-23526	#	p 138
A86-23527	•#	p 138
A86-23528	· ************************************	p 138 p 111 p 138 p 138 p 138 p 138
A86-23529	*#	p 138 p 138
A86-23530	#	p 139
A86-23531	#	n 139
A66-23532	*#	p 139
A86-23533	*#	p 139
A86-23534	#	p 139
A86-23535	*#	p 139
A86-23553	*#	p 104
A86-23555	* #	p 140
A86-23557	*#	p 140
A86-23558	•#	p 140
A86-23559	*#	p 140
A86-23560	*#	p 140
A86-23567	*#	p 140
A86-23568	#	p 104
A86-23569	#	p 141
A86-23570	#	p 141
A86-23571	#	p 141

p 141 p 104 p 104

p 141 p 141

A86-23574

A86-23575

A86-23701

A86-23702 # p 141	A86-26016 # p 146	A86-29306 # p 163	A86-30389 # p 192	A86-30684 # p 216
A86-23703 # p 141	A86-26018 # p 146	A86-29497 # p 187	A86-30390 # p 193	A86-30685 # p 206
A86-23704 # p 142	A86-26019 * # p 132	A86-29499 # p 163	A86-30391 * # p 193	A86-30697 * # p 243
A86-23705 # p 128	A86-26022 # p 147	A86-29851 # p 226 A86-29852 # p 236	A86-30392 * # p 193	A86-30892 # p 206
A86-23707 # p 142	A86-26023 # p 147	A86-29852 # p 236 A86-29853 # p 226	A86-30393 # p 193	A86-30893 # p 216 A86-30894 # p 216
A86-23709 *# p 128	A86-26024 # p 132	A86-29854 * # p 236	A86-30394 # p 193	A86-30895 # p 216
A86-23711 # p 142 A86-23712 # p 142	A86-26026 # p 114	A86-29855 # p 213	A86-30395 # p 193	A86-30896 # p 216
A86-23713 # p142	A86-26028 # p 147	A86-29856 # p 236	A86-30396 # p 194	A86-30897 # p 206
A86-23715 # p 128	A86-26030 * # p 147	A86-29857 # p 236	A86-30397 # p 194	A86-30898 # p 216
A86-23716 # p128	A86-26031 # p 147	A86-29858 * # p 237	A86-30398 # p 194	A86-30899 # p 216
A86-23717 # p 128	A86-26033 *# p 132	A86-29859 # p 237	A86-30399 *# p 194	A86-31150 # p 217
A86-23718 # p 129	A86-26180 # p 106	A86-29860 * # p 237	A86-30400 *# p 194	A86-31223 # p 217
A86-23719 # p 129	A86-26198 # p 154	A86-29861 # p 237	A86-30401 *# p 194	A86-31224 # p 206
A86-23720 # p 129	A86-26293 # p 132	A86-29863 # p 227	A86-30402 # p 195	A86-31371 # p 206
A86-23721 # p 129	A86-26294 # p 133	A86-29865 # p 227	A86-30403 *# p 195	A86-31375 # p 207
A86-23722 # p 129	A86-26295 # p 133	A86-29866 # p 237	A86-30404 * # p 195 A86-30405 * # p 195	A86-31650 # p 207
A86-23723 # p 142	A86-26296 # p 133	A86-29867 * # p 227	A86-30405 *# p 195 A86-30406 *# p 195	A86-31820 *# p 233
A86-23724 # p 142	A86-26297 # p 133	A86-29869 # p 237	A86-30407 *# p 195	A86-31821 # p 234
A86-23726 * # p 129	A86-26298 # p 133	A86-29871 # p 238	A86-30408 *# p 195	A86-31822 *# p 234
A86-23727 # p 129	A86-26490 # p 155 A86-26493 # p 182	A86-29873 # p 238	A86-30409 # p 196	A86-31823 # p 234
A86-23730 # p 130	A86-26616 # p 182	A86-29874 * # p 238	A86-30410 # p 196	A86-31824 # p 234
A86-23731 # p 130	A86-26671 # p 188	A86-29875 * # p 238	A86-30411 *# p 196	A86-31833 *# p 207
A86-23732 # p 130	A86-27051 # p 155	A86-29876 # p 238	A86-30412 *# p 196	A86-32057 *# p 207
A86-23733 * # p 130	A86-27094 # p 183	A86-29877 * # p 238	A86-30413 *# p 196	A86-32072 # p 234
A86-23734 # p 143	A86-27473 # p 155	A86-29878 # p 238	A86-30414 # p 196	A86-32073 # p 234
A86-23735 # p 143	A86-27474 # p 161	A86-29879 * # p 227	A86-30415 # p 196	A86-32237 ° # p 207
A86-23736 *# p 143	A86-27475 # p 155	A86-29880 *# p 239	A86-30416 # p 196	A86-32315 # p 240 A86-32316 # p 240
A86-23737 # p 143	A86-27500 # p 183	A86-29881 # p 239 A86-29882 # p 227	A86-30417 * # p 197	A86-32317 # p 240
A86-23738 # p 143	A86-27671 # p 183	A86-29882 # p 227 A86-29883 # p 227	A86-30418 *# p 197	A86-32451 * # p 240
A86-23739 # p 130	A86-27878 # p 155	A86-29884 # p 227	A86-30419 # p 197	A86-32523 # p 234
A86-23742 * # p 143 A86-23744 # p 144	A86-28074 # p 183	A86-29885 # p 228	A86-30420 *# p 197	A86-32524 # p 207
A86-23744 # p 144 A86-23745 *# p 130	A86-28098 # p 161	A86-29886 *# p 228	A86-30421 # p 197	A86-32697 # p 207
A86-23745 # p 130	A86-28099 # p 161	A86-29887 # p 228	A86-30422 # p 197	A86-32698 # p 208
A86-23746 # p 144 A86-23747 # p 144	A86-28100 # p 161	A86-29888 # p 228	A86-30423 *# p 197	A86-32699 # p 208
A86-23747 # p144 A86-23748 # p144	A86-28122 # p 162	A86-29889 # p 228	A86-30424 *# p 197	A86-32875 # p 217
A86-23749 # p 131	A86-28123 # p 162	A86-29890 # p 228	A86-30425 *# p 198	A86-33070 # p 208
A86-23772 # p 131	A86-28124 # p 155	A86-29891 # p 228	A86-30426 *# p 198	A86-33071 # p 208
A86-23996 # p 104	A86-28125 *# p 162	A86-29892 # p 229	A86-30427 *# p 198	A86-33072 # p 208
A86-23997 # p 104	A86-28285 # p 183	A86-29894 # p 229	A86-30428 *# p 198	A86-33073 # p 208
A86-23998 * # p 104	A86-28431 # p 183	A86-29895 # p 229	A86-30429 * # p 198 A86-30430 # p 198	A86-33074 # p 208
A86-23999 # p 104	A86-28432 # p 183	A86-29896 # p 229	A86-30430 # p 199	A86-33103 # p 235
A86-24000 *# p 105	A86-28433 # p 184 A86-28434 # p 184	A86-29897 # p 229	A86-30432 *# p 199	A86-33183 *# p 240
A86-24121 # p 144	A86-28434 # p 184 A86-28435 # p 178	A86-29898 # p 229	A86-30433 *# p 199	A86-33184 # p 240
A86-24135 # p 111	A86-28436 # p 184	A86-29899 * # p 229	A86-30435 *# p 199	A86-33186 # p 241
A86-24136 # p 105	A86-28437 # p 184	A86-29900 # p 230	A86-30436 *# p 199	A86-33187 # p 241
A86-24144 # p 105	A86-28438 # p 184	A86-29901 # p 230	A86-30437 # p 199	A86-33188 # p 241
A86-24307 # p 111	A86-28439 # p 184	A86-29902 # p 230	A86-30438 * # p 200	A86-33322 # p 241 A86-33324 # p 241
A86-24308 # p 105	A86-28440 # p 184	A86-29903 # p 230 A86-29904 # p 230	A86-30439 * # p 200	A86-33390 # p 243
A86-24309 # p 105 A86-24323 # p 105	A86-28441 # p 185	A86-29905 # p 230	A86-30440 * # p 200	A86-33459 # p 217
A86-24323 # p 105 A86-24324 # p 131	A86-28442 # p 185	A86-29906 # p 231	A86-30441 * # p 200	A86-33668 # p 274
A86-24325 # p 131	A86-28444 # p 185	A86-29907 # p 231	A86-30442 # p 200	A86-33754 # p 249
A86-24368 # p 105	A86-28445 # p 185	A86-29908 # p 231	A86-30443 # p 200	A86-33755 # p 249
A86-24422 # p 105	A86-28446 *# p 185	A86-29909 # p 231	A86-30444 *# p 201	A86-33756 * # p 250
A86-24423 # p 106	A86-28448 # p 162	A86-29910 # p 231	A86-30445 # p 215	A86-33757 # p 250
A86-24424 # p 106	A86-28449 # p 156	A86-29911 # p 231	A86-30446 # p 215 A86-30447 # p 201	A86-33758 * # p 250
A86-24425 # p 106	A86-28450 # p 178	A86-29912 # p 231	A86-30448 # p 215	A86-33759 *# p 250
A86-24442 # p111	A86-28451 # p 178 A86-28452 * # p 178	A86-29913 # p 232	A86-30449 * # p 201	A86-33760 # p 250
A86-24501 # p 111	A86-28453 # p 176	A86-29914 # p 232	A86-30451 *# p 201	A86-33761 # p 245
A86-24502 # p 112	A86-28513 # p 186	A86-29915 # p 232	A86-30452 *# p 201	A86-33762 # p 250
A86-24503 # p 112	A86-28721 *# p 189	A86-29918 # p 239	A86-30453 * # p 243	A86-33763 # p 251
A86-24504 # p 112	A86-28722 # p 189	A86-29919 # p 232	A86-30454 * # p 201	A86-33776 # p 259
A86-24505 # p 112	A86-28723 *# p 189	A86-29920 # p 239	A86-30455 * # p 202	A86-33777 # p 259 A86-33778 # p 259
A86-24506 # p 112	A86-28724 # p 189	A86-29921 # p 232 A86-29923 # p 232	A86-30456 * # p 202	A86-33779 # p 266
A86-24507 # p 112 A86-24508 # p 131	A86-28793 # p 156	A86-29923 # p 232 A86-29924 # p 232	A86-30457 * # p 202	A86-33781 # p 266
A86-24508 # p 131 A86-24509 # p 113	A86-28801 # p 186	A86-29925 # p 232	A86-30458 * # p 202	A86-33782 # p 259
A86-24510 # p 113	A86-28806 # p 186	A86-29926 # p 233	A86-30459 *# p 202	A86-33783 *# p 259
A86-24511 # p113	A86-28807 # p 186	A86-29928 # p 233	A86-30460 * # p 202	A86-33784 * # p 259
A86-24512 # p113	A86-28810 # p 186	A86-29930 # p 233	A86-30461 *# p 203	A86-33785 # p 266
A86-24610 # p 106	A86-28812 *# p 179	A86-29931 # p 233	A86-30462 * # p 203	A86-33786 # p 267
A86-25199 # p 144	A86-28813 # p 162	A86-29932 # p 233	A86-30463 * # p 203 A86-30464 * # p 203	A86-33787 # p 267
A86-25229 # p 145	A86-28814 # p 179	A86-30149 # p 239		A86-33788 # p 260
A86-25651 # p 145	A86-28860 * # p 156 A86-28864 * # p 179	A86-30164 *# p 239	A86-30465 * # p 203 A86-30466 * # p 203	A86-33789 # p 267
A86-25652 # p 145		A86-30165 # p 191	A86-30467 * # p 204	A86-33790 *# p 267
A86-25653 # p 113	A86-28865 # p 186 A86-28866 * # p 179	A86-30166 *# p 191	A86-30468 # p 204	A86-33791 # p 267
A86-25654 # p 131	A86-28867 *# p 179	A86-30167 *# p 240	A86-30469 # p 204	A86-33792 *# p 260
A86-25655 # p 131	A86-29089 * # p 156	A86-30168 # p 191	A86-30470 *# p 204	A86-33794 * # p 260 A86-33795 # p 267
A86-25656 *# p 113	A86-29090 # p 179	A86-30169 # p 213	A86-30471 * # p 204	A86-33796 # p 260
A86-25657 # p 145 A86-25658 # p 114	A86-29091 *# p 162	A86-30360 # p 233 A86-30362 # p 233	A86-30472 # p 204	A86-33797 # p 267
A86-25658 # p114 A86-25659 *# p106	A86-29092 # p 186	A86-30362 # p 233 A86-30376 # p 191	A86-30473 * # p 205	A86-33798 # p 268
A86-25660 * # p 106	A86-29093 *# p 163	A86-30376 # p 191 A86-30377 # p 191	A86-30474 * # p 205	A86-33800 # p 260
A86-25661 # p 114	A86-29094 # p 163	A86-30378 *# p 192	A86-30475 # p 205	A86-33801 # p 251
A86-25662 # p 114	A86-29095 # p 179	A86-30379 *# p 192	A86-30476 # p 205	A86-33803 # p 268
A86-25774 # p 154	A86-29096 # p 156	A86-30380 *# p 192	A86-30477 # p 205	A86-33804 * # p 260
A86-26001 # p 145	A86-29097 # p 156	A86-30381 # p 214	A86-30478 # p 205 A86-30479 # p 205	A86-33805 # p 268
A86-26002 # p145	A86-29098 # p 180	A86-30382 # p 214	A86-30480 * # p 205	A86-33806 # p 260
A86-26003 # p 146	A86-29099 # p 157	A86-30383 # p 214	A86-30460 # p 205 A86-30678 # p 215	A86-33807 *# p 261
A86-26004 # p 146	A86-29100 # p 187 A86-29174 # p 157	A86-30384 # p 214	A86-30679 # p 215	A86-33808 *# p 261
A86-26005 # p 146	A86-29255 # p 157	A86-30385 * # p 214	A86-30680 # p 215	A86-33809 # p 261
A86-26009 # p 146	A86-29256 # p 157	A86-30386 * # p 214	A86-30681 # p 216	A86-33810 # p 268
A86-26011 * # p 132	A86-29257 # p 157	A86-30387 # p 215	A86-30682 # p 206	A86-33811 # p 268
A86-26013 # p 132	A86-29275 # p 157	A86-30388 # p 192	A86-30683 # p 206	A86-33813 * # p 268
•	*	•		

AUCESSI	UN	NOMBEH INDEX	(						N86-13895
A86-33816 *		p 261		# p 274	A86-43434 * #	∮ p 374	A96 47774	# - 400	
A86-33817 A86-33818	# #	p 268 p 261		#p272 #p272	A86-43436 * #			#p432 #p433	N86-10768 * # p 15
A86-33819	#	p 261		# p272 # p272	A86-43437 * #		A86-47773	# p 433	N86-10769 # p 15 N86-10770 *# p 15
	#	p 261	A86-36947	# p 265	A86-43438 *#	•		# p 433	N86-10770 *# p 15 N86-10771 # p 15
	#	p 262	A86-37037 *; A86-37047 *;		A86-43440 * # A86-43442 * #			#p433 #p418	N86-10772 # p 15
A86-33822 * A86-33823	'# #	p 262		#p272 #p255	A86-43444 * #	p 374	A86-47869	# p 413	N86-10773 # p 15
A86-33825 *		p 268 p 262	A86-37276	# p 290	A86-43448 * #	p 374		# p418	N86-10774 # p 16 N86-10775 # p 19
A86-33826	#	p 262		# p 275	A86-43449 * # A86-43450 * #		A86-47871 * A86-47872 *		N86-10775 # p 19 N86-10776 # p 19
	#	p 262	A86-38138 # A86-38139 *#	#p296 #p296	A86-43453 *#			# p418	N86-10777 * # p 20
		p 268 p 262	A86-38140 *		A86-43454 * #			# p 419	N86-10778 # p 20 N86-10779 # p 20
A86-33838		p 251		# p 296	A86-43535 # A86-43539 #			#p419 #p433	N86-10779 # p 20 N86-10780 # p 20
		p 263	A86-38142 # A86-38143 #	#p296 #p296	A86-43539 # A86-43540 #			# p 433	N86-10781 # p 20
		p 274 p 245	A86-38144		A86-43676 #		A86-48713 *;	# p 433	N86-10782 # p 20
A86-34573		p 245	A86-38145 #		A86-43677 # A86-43750 #		A86-49155 *;	#p413 #p419	N86-10783 # p 20 N86-10784 # p 22
		p 269	A86-38146 # A86-38147 * #		A86-43750 # A86-43927 #		A86-49250 *;		N86-10785 * # p 22
A86-34957 A86-34959 *		p 269 p 269	A86-38148 #		A86-44087 #		A86-49263		N86-10786 # p 22
		p 269	A86-38149 #		A86-44088 #	p 395	A86-49264 # A86-49265 #		N86-10787 # p 23 N86-10788 # p 23
		p 269	A86-38150 # A86-38510 #		A86-44089 # A86-44090 #	p 395 p 395	A86-49266		N86-10789 # p 23
		p 245 p 245	A86-38512 #		A86-44091 #		A86-49267	p 420	N86-11829 *# p6
		p 246	A86-38624 #	p 297	A86-44092 #	p 395	A86-49268 # A86-49269 #	r	N86-11830 * # p6 N86-11831 * # p6
		p 269	A86-38984 # A86-38988 #		A86-44093 # A86-44094 #	p 395 p 405	A86-49270 #		N86-11832 # p6
		p 251 p 263	A86-39092 #		A86-44095 #	p 395	A86-49271 #	p 421	N86-11833 # p6
		p 251	A86-39093 #	p 280	A86-44096 #	p 396	A86-49272 # A86-49273 #		N86-11834 # p7 N86-11835 # p7
		p 251	A86-39094 # A86-39095 #		A86-44097 # A86-44194 #	p 396 p 396	A86-49339 #		N86-11836 # p7
		p 263 p 251	A86-39096 #		A86-44195 #	p 391	A86-49345 #	p 413	N86-11837 # p7
		p 252	A86-39097 #	p 276	A86-44196 *#	p 391	A86-49346 # A86-49347 #		N86-11838 * # p 16 N86-11839 # p 16
	#	p 269	A86-39098 # A86-39099 * #		A86-44197 # A86-44295 #	p 391 p 392	A86-49347 # A86-49348 #		N86-11841 # p 16
A86-35427 *; A86-35428		p 263 p 263	A86-39470 * #		A86-44354 *#	p 410	A86-49367 #	p 414	N86-11842 # p 16
		p 263	A86-39598 #	p 281	A86-44358 #	p 410	A86-49368 #		N86-11843 # p17 N86-11844 # p17
A86-35430	# i	p 263	A86-39718 # A86-39719 #		A86-44532 # A86-44534 #	p 406 p 406	A86-49370 # A86-49371 #		N86-11845 # p 17
		p 270	A86-39719 # A86-39720 #		A86-44601 #	p 403	A86-49521 *#	p 426	N86-11846 # p 17
A86-35433 *;		p 270 p 270	A86-39721 #	p 276	A86-44778 #	p 396	A86-49523 * #		N86-11847 # p 17 N86-11848 # p 17
A86-35434 * #	# j	264	A86-39722 #	•	A86-44779 # A86-44780 #	p 406	A86-49524 * # A86-49552 * #		N86-11849 # p 18
A86-35435 * # A86-35440 #	•	270	A86-39772 # A86-39773 #	p 281 p 282	A86-44814 #	p 396 p 396	A86-49560 #	p 421	N86-11850 *# p 21
		270 264	A86-39774 #	p 282	A86-45014 #	p 406	A86-49633 * #		N86-11851 # p.21 N86-11852 # p.21
A86-35445	# F	264	A86-39775 #	p 282	A86-45015 # A86-45073 #	p 406	A86-49634 * # A86-49636 * #		N86-11852 # p 21 N86-11853 # p 21
A86-35446 * # A86-35447 #	•	264	A86-40231 # A86-40476 #	p 376 p 381	A86-45117 #	p 406 p 407	A86-49870 *#	p 426	N86-11854 * # p 23
A86-35454 * #	# F	264 270	A86-40479 #	p 381	A86-45251 *#	p 392	A86-49871 * #	•	N86-11855 # p 23 N86-12377 # p 37
A86-35460 #	# F	270	A86-40480 #	p 381	A86-45254 * # A86-45318 #	p 397	A86-49919 # A86-49920 #		N86-12377 # p37 N86-12458 # p37
A86-35667 * # A86-35863 #		264 246	A86-40482 # A86-40483 #	p 381 p 383	A86-45319 #	p 392 p 392	A86-49921 #	p 414	N86-12949 * # p 28
A86-35938 #		246	A86-40484 #	p 381	A86-45320 #	p 392	A86-49975 #	p 422	N86-12950 # p 28 N86-12951 # p 28
A86-35939 #	<b>#</b> p	246	A86-40485 #	p 381	A86-45321 # A86-45322 #	p 392	A86-49998 # A86-49999 *#	p 415 p 415	N86-12951 # p 28 N86-12952 # p 28
A86-35940 # A86-35941 #		246	A86-40486 # A86-40508 #	p 383 p 383	A86-45323 #	p 392 p 393	A86-50271 *#	p 415	N86-12953 # p 28
A86-36172 *#		271	A86-40519 #	p 371	A86-45324 #	p 393	A86-50283 * #	p 427	N86-12954 * # p 37 N86-12955 # p 37
A86-36175 #	# p	264	A86-40521 # A86-40522 * #	p 383	A86-45325 # A86-45692 * #	p 397	A86-50288 # A86-50289 #	p 415 p 415	N86-12956 * # p 37
A86-36218 # A86-36219 #		L-10	A86-40566 #	p 383 p 376	A86-45955 #	p 407 p 403	A86-50290 #	p 415	N86-12957 # p 37
A86-36220 #		246	A86-40571 #	p 382	A86-45960 * #	p 393	N86-10733 #	- 0	N86-12958 # p37 N86-12959 # p38
A86-36221 #	ŧ p	246	A86-40585 # A86-40660 *#	p 384	A86-46270 # A86-46938 #	p 397 p 397	N86-10733 # N86-10734 *#	р3 р3	N86-12960 # p 38
A86-36222 # A86-36223 #		252 246	A86-40666 *#	p 376 p 371	A86-46941 #	p 407	N86-10735 #	p 4	N86-12961 # p 38
A86-36224 #		252	A86-40669 *#	p 371	A86-46942 #	p 407	N86-10736 # N86-10737 #	p 4	N86-12962 # p38 N86-12963 # p38
A86-36225 #	f p	247	A86-40674 * #	p 371	A86-46943 * # A86-46944 #	p 407	N86-10737 # N86-10738 #	р 4 р 4	N86-12964 # p 38
A86-36309 # A86-36310 * #			A86-40675 * # A86-40684 * #	p 371 p 377	A86-46944 # A86-46945 *#	р 407 р 407	N86-10739 #	p 12	N86-12965 # p 39
A86-36311 * #		253	A86-40875 #	p 372	A86-46960 #	p 393	N86-10740 # N86-10741 #	p 12	N86-12966 # p39 N86-12967 # p39
A86-36312 * #	ŧ p	253	A86-40879 # A86-41043 #	p 372	A86-47440 * # A86-47467 #	p 429	N86-10741 # N86-10742 #	p 4 p 4	N86-12968 # p 42
A86-36313 # A86-36314 #			A86-41043 # A86-41045 *#	p 372 p 372	400 10100 11	p 429 p 426	N86-10743 #	p 12	N86-12969 # p 42
A86-36315 *#		253	A86-41046 *#	p 372	A86-47726 #	p 429	N86-10744 # N86-10745 #	p 12	N86-12970 # p42 N86-12971 # p42
A86-36316 #	P	271	A86-41047 # A86-41381 #	p 372		p 417 p 430	N86-10746 #	p 19 p 12	N86-12972 # p 42
A86-36317 # A86-36368 #		234	A86-41381 # A86-41400 #	p 384 p 377		p 430	N86-10747 #	p 13	N86-12973 # p 45
A86-36494 #		247	A86-41645 #	p 377	A86-47735 #	p 430	N86-10748 # N86-10749 #	p 13	N86-12974 # p 45 N86-12975 # p 45
A86-36495 #	р	254	A86-41779 *# A86-41780 *#	p 377		p 430 p 430	N86-10749 # N86-10750 #	р 13 р 13	N86-12976 # p 46
A86-36496 # A86-36497 #			A86-41781 #	p 377 p 377		p 430	N86-10751 #	p 13	N86-13878 * # p 29
A86-36498 #		247	A86-41782 *#	p 378		p 417	N86-10752 # N86-10753 #	p 13	N86-13879 * # p 29 N86-13880 # p 29
A86-36499 #	P	271	A86-41783 # A86-41784 #	p 378		p 430 p 431	N86-10753 # N86-10754 #	p 14 p 4	N86-13881 # p 29
A86-36500 # A86-36526 #			A86-41784 # A86-41785 #	p 372 p 378		p 431	N86-10755 #	p 14	N86-13882 # p 29
A86-36527 #		271	A86-41786 #	p 373	A86-47749 #	p 431	N86-10756 # N86-10757 #	p 14	N86-13883 # p 29 N86-13884 # p 30
A86-36528 #	P	254	A86-41787 # A86-41788 #	p 373		p 431 p 431	N86-10757 # N86-10758 #	p 14 p 14	N86-13885 # p 30
A86-36529 # A86-36530 #			A86-41788 # A86-41789 #	p 378 p 378		p 418	N86-10759 #	p 14	N86-13886 *# p 39
A86-36531 #		254	A86-41790 #	p 378	A86-47754 #	p 418	N86-10760 # N86-10761 #	p 5	N86-13887 # p39 N86-13888 # p40
A86-36532 #	Р	255	A86-41799 # A86-43422 #	p 382		p 431 p 432	N86-10761 # N86-10762 #	p 5 p 5	N86-13889 # p 40
A86-36533 # A86-36534 #		200	486-43422 # 486-43423 #	p 373 p 373		p 432 p 432	N86-10763 #	p 5	N86-13890 # p 40
A86-36535 #			A86-43424 #	p 373	A86-47765 * #	p 418	N86-10764 #	p 5	N86-13891 # p 40 N86-13892 * # p 42
A86-36536 #	p:	271	A86-43425 #	p 373		p 432 p 432	N86-10765 # N86-10766 #	p 14	N86-13893 # p 43
A86-36695 #	p:	271	<b>486-43433 *#</b>	p 373		p 432	N86-10766 # N86-10767 #	р5 р6	N86-13894 # p 43
							·-· #		N86-13895 # p 43

N86-13896 # p 43	N86-15875 # p 65	N86-18949 *# p 106	N86-19882 # p 125	N86-21042 # p 168
N86-13897 # p 43	N86-15876 # p 56	N86-18950 * # p 107	N86-19883 # p 126	N86-21043 # p 168
N86-13898 *# p 46	N86-15877 # p 56	N86-18951 # p 107 N86-18952 # p 107	N86-19884 # p 126	N86-21044 # p 168 N86-21045 # p 168
N86-13899 *# p 46	N86-15878 # p 56	N86-18952 # p 107 N86-18953 # p 107	N86-19885 * # p 126	N86-21045 # p 168 N86-21046 # p 169
N86-13900 * # p 46 N86-13901 # p 46	N86-15879 # p 66	N86-18954 # p 107	N86-19886 * # p 126	N86-21047 # p 169
N86-13901 # p 46 N86-13902 # p 46	N86-15880 # p 66	N86-18955 # p 107	N86-19887 # p 126	N86-21049 # p 169
N86-13902 # p 40	N86-15881 # p 57	N86-18956 # p 107	N86-19888 # p 126	N86-21050 # p 169
N86-13904 # p 47	N86-15882 # p 57	N86-18957 # p 108	N86-19889 # p 127	N86-21058 # p 169
N86-13905 # p 47	N86-15883 # p 57	N86-18958 # p 108	N86-19890 # p 127	N86-21059 # p 169
N86-13906 # p 47	N86-15885 # p 72	N86-18959 # p 108	N86-19891 # p 127	N86-21064 # p 170
N86-14080 *# p 30	N86-15886 # p 76	N86-18960 * # p 114	N86-19892 # p 127	N86-21065 # p 170
N86-14088 * # p 30	N86-15887 # p 66	N86-18961 # p 114	N86-19893 # p 127	N86-21067 # p 170
N86-14091 * # p 47	N86-15888 # p 66	N86-18962 # p 114	N86-19894 # p 127	N86-21097 * # p 158
N86-14097 * # p 30	N86-15889 # p 66	N86-18963 # p 115	N86-19895 # p 128	N86-21098 # p 158
N86-14160 # p 47	N86-15890 # p 66	N86-18964 # p 115	N86-19896 # p 135 N86-19897 # p 135	N86-21099 # p 158
N86-14161 # p 47	N86-15891 # p 67	N86-18965 # p 115	N86-19898 # p 135	N86-21100 # p 158
N86-14162 # p30	N86-15892 # p 57 N86-15893 # p 57	N86-18966 # p 115	N86-19899 # p 135	N86-21101 # p 158
N86-14839 # p 53	N86-15894 # p 57	N86-18967 # p 115	N86-19900 # p 136	N86-21102 # p 159
N86-14840 # p 53	N86-15895 # p 58	N86-18968 # p 116	N86-19901 # p 136	N86-21103 # p 170
N86-14841 # p 53	N86-15897 # p 67	N86-18969 # p 116	N86-19902 # p 136	N86-21104 # p 170
N86-14842 # p 53	N86-15898 *# p 67	N86-18970 # p 116	N86-19903 # p 136	N86-21105 *# p 170
N86-14843 # p 53	N86-15899 # p 67	N86-18971 # p 116	N86-19904 # p 136	N86-21106 * # p 171 N86-21107 * # p 171
N86-14844 # p 53	N86-15900 # p 67	N86-18972 # p 116	N86-19905 # p 136	N86-21107 # p171
N86-14845 # p 54	N86-15901 # p 67	N86-18973 # p 117 N86-18974 # p 117	N86-19906 * # p 148	N86-21109 *# p 171
N86-14847 # p 54	N86-15902 # p 68		N86-19907 * # p 148	N86-21110 # p171
N86-14848 # p 54	N86-15903 # p 68	N86-18975 # p117 N86-18976 # p117	N86-19908 * # p 148	N86-21111 # p171
N86-14849 # p 60 N86-14850 # p 60	N86-15904 # p 68	N86-18977 # p 117	N86-19909 * # p 148	N86-21112 # p172
N86-14851 # p 60	N86-15905 # p 68	N86-18978 # p 118	N86-19910 *# p 148	N86-21113 # p 172
N86-14852 # p 60	N86-15906 # p 68	N86-18979 # p 118	N86-19911 *# p 148	N86-21114 # p 172
N86-14853 # p 60	N86-15907 # p 69	N86-18980 # p 133	N86-19912 *# p 149	N86-21115 # p 172
N86-14854 # p 61	N86-15908 # p 69	N86-18981 # p 134	N86-19914 * # p 149	N86-21116 # p 172
N86-14855 # p 61	N86-15909 # p 69	N86-18982 # p 134	N86-19915 * # p 149	N86-21117 # p172
N86-14856 # p 54	N86-15910 # p 69	N86-18983 # p 134	N86-19916 * # p 149 N86-19917 * # p 149	N86-21118 # p 173
N86-14857 # p 54	N86-15911 # p 72 N86-15912 # p 73	N86-18984 # p 134	N86-19917 # p 149	N86-21119 # p 173
N86-14858 # p 54	N86-15912 # p73	N86-18985 # p 134	N86-19919 *# p 150	N86-21120 # p 173
N86-14859 # p 61	N86-15914 # p 73	N86-18986 # p 134	N86-19920 *# p 150	N86-21121 # p 173
N86-14860 # p61	N86-15915 # p.73	N86-18987 # p 135	N86-19921 *# p 150	N86-21122 # p 173
N86-14861 # p 61	N86-15916 # p 76	N86-18988 # p 147	N86-19922 *# p 150	N86-21123 # p 173
N86-14862 # p 61	N86-15917 # p76	N86-18989 # p 147	N86-19923 * # p 150	N86-21124 # p 174 N86-21125 # p 174
N86-14863 # p 62	N86-16641 # p 91	N86-18990 * # p 148 N86-19825 # p 108	N86-19924 *# p 150	N86-21126 # p174
N86-14864 # p 62 N86-14867 # p 62	N86-16875 * # p 82	N86-19826 # p 108	N86-19925 * # p 151	N86-21127 # p 174
N86-14868 # p 54	N86-16876 # p 83	N86-19827 # p 109	N86-19926 *# p 151	N86-21128 # p 174
N86-14869 # p 55	N86-16877 # p 83	N86-19828 # p 109	N86-19927 *# p 151	N86-21129 # p 174
N86-14870 # p 55	N86-16878 # p 83	N86-19829 # p 109	N86-19928 *# p 151	N86-21130 # p 174
N86-14871 # p 62	N86-16879 # p 83	N86-19831 # p 109	N86-19929 * # p 151 N86-19930 * # p 151	N86-21131 # p 175
N86-14872 # p 62	N86-16880 # p 83 N86-16881 # p 83	N86-19832 # p 118	N86-19931 *# p 152	N86-21132 # p 159
N86-14873 # p 62	N86-16881 # p.83 N86-16882 # p.91	N86-19833 # p 118	N86-19932 *# p 152	N86-21133 # p 175
N86-14874 # p 63	N86-16883 # p.83	N86-19834 # p 118	N86-19933 *# p 152	N86-21135 # p 175
N86-14875 # p 63	N86-16884 # p 95	N86-19835 # p 118	N86-19934 * # p 152	N86-21136 # p 175
N86-14876 # p 63	N86-16885 # p 84	N86-19837 # p 119	N86-19935 * # p 152	N86-21137 # p 175
N86-14877 # p 63	N86-16886 # p 84	N86-19838 # p 109 N86-19839 # p 109	N86-19936 * # p 152	N86-21138 * # p 180 N86-21139 * # p 180
N86-14878 # p 63 N86-14879 # p 63	N86-16887 # p 91	N86-19839 # p 109 N86-19840 # p 119	N86-19937 * # p 152	N86-21140 # p 180
N86-14880 # p 63	N86-16888 * # p 92	N86-19841 # p 119	N86-19938 *# p 152	N86-21141 # p180
N86-14881 # p 64	N86-16889 * # p 92	N86-19843 # p 119	N86-19939 * # p 153	N86-21142 # p 180
N86-14882 # p 64	N86-16890 * # p 92	N86-19844 # p 119	N86-19940 * # p 153	N86-21143 # p 181
N86-14883 # p 64	N86-16891 # p 92	N86-19845 # p 119	N86-19941 *# p 153	N86-21144 # p 181
N86-14884 # p 64	N86-16892 # p 92	N86-19846 # p 120	N86-19942 *# p 153	N86-21145 # p 181
N86-14885 # p 64	N86-16893 # p 93	N86-19847 # p 120	N86-19943 * # p 153	N86-21146 # p 187
N86-14886 # p 64	N86-16894 # p 93 N86-16895 # p 93	N86-19848 # p 120	N86-19944 # p 153 N86-19945 # p 154	N86-21147 * # p 187
N86-14887 # p 64		N86-19849 # p 120	N86-19946 # p 154	N86-21148 # p 187
N86-14888 # p 70	N86-16896 # p 93 N86-16897 # p 95	N86-19850 *# p 120	N86-20444 # p 157	N86-21149 # p 187
N86-14889 # p 70	N86-16898 # p 95	N86-19851 # p 120	N86-20445 # p 158	N86-21150 *# p 189
N86-14890 # p 71	N86-16899 # p 95	N86-19852 # p 121	N86-20628 # p 163	N86-22082 # p 159 N86-22083 # p 159
N86-14891 # p71 N86-14892 # p71	N86-16900 # p 95	N86-19853 # p 121 N86-19854 # p 121	N86-20629 # p 163	N86-22084 # p 159
N86-14892 # p 71 N86-14893 # p 71	N86-16901 * # p 99	N86-19855 # p 121	N86-20638 # p 187	N86-22085 # p 160
N86-14894 # p 72	N86-16902 * # p 99	N86-19856 # p 121	N86-20890 # p 158	N86-22086 # p 160
N86-14895 # p 72	N86-16903 * # p 99	N86-19857 # p 121	N86-21013 # p 164	N86-22087 # p 160
N86-14896 # p74	N86-16904 # p 99	N86-19858 # p 122	N86-21014 # p 164	N86-22088 # p 160
N86-14897 # p74	N86-16905 # p 99	N86-19859 # p 122	N86-21016 # p 164	N86-22089 # p 160
N86-14898 # p 75	N86-17974 # p 84	N86-19860 # p 122	N86-21017 # p 164	N86-22090 # p 160
N86-14899 # p 75	N86-17975 # p 84	N86-19861 # p 122	N86-21018 # p 164 N86-21019 # p 164	N86-22091 # p 161
N86-14900 # p 75	N86-17976 # p84 N86-17977 # p84	N86-19862 # p 122	N86-21019 # p 164 N86-21020 # p 165	N86-22092 # p 161
N86-14901 # p 75	N86-17978 # p 85	N86-19863 # p 122	N86-21021 # p 165	N86-22093 * # p 176
N86-14946 # p 75	N86-17979 # p.85	N86-19864 # p 123	N86-21022 # p 165	N86-22094 *# p 176
N86-15444 # p 75	N86-17980 # p85	N86-19865 # p 123	N86-21023 # p 165	N86-22095 * # p 176 N86-22096 # p 176
N86-15859 # p 55 N86-15860 # p 55	N86-17981 # p 93	N86-19866 # p 123 N86-19867 # p 123	N86-21024 # p 165	N86-22096 # p 176 N86-22097 # p 176
N86-15860 # p 55 N86-15861 # p 55	N86-17982 # p 93	N86-19867 # p 123 N86-19868 # p 123	N86-21025 # p 165	N86-22098 # p 176
N86-15862 # p.55	N86-17983 # p 94	N86-19869 # p 123	N86-21026 # p 166	N86-22099 # p 177
N86-15863 # p 56	N86-17984 # p 94	N86-19870 # p 124	N86-21027 # p 166	N86-22100 # p 177
N86-15864 # p 56	N86-17985 # p 95	N86-19871 # p 124	N86-21028 # p 166	N86-22101 # p 177
N86-15865 # p 56	N86-17986 # p 95	N86-19872 # p 124	N86-21029 # p 166	N86-22102 # p 177
N86-15866 # p 65	N86-17987 # p 99	N86-19873 # p 124	N86-21030 # p 166 N86-21031 # p 166	N86-22103 # p 177
N86-15867 # p 76	N86-17988 # p 99 N86-17989 # p 100	N86-19874 # p 124	N86-21031 # p 166 N86-21032 # p 167	N86-22104 # p 178
N86-15868 # p 72	N86-17989 # p 100	N86-19875 # p 124	N86-21033 # p 167	N86-22105 # p 178
N86-15869 # p 72	N86-17991 # p 100	N86-19876 # p 125	N86-21034 # p 167	N86-22106 # p 181
N86-15870 # p 72	N86-17992 # p 100	N86-19877 # p 125	N86-21036 # p 167	N86-22107 # p 181
N86-15871 # p 65	N86-17993 # p 100	N86-19878 # p 125	N86-21038 # p 167	N86-22108 # p 181
N86-15872 # p 65	N86-17994 # p 100	N86-19879 # p 125	N86-21039 # p 167	N86-22109 # p 182
N86-15873 # p 65	N86-17995 # p 101	N86-19880 # p 125	N86-21040 # p 168	N86-22110 # p 182
N86-15874 # p 65	N86-17996 # p 101	N86-19881 # p 125	N86-21041 # p 168	N86-22111 # p 182

		···OIIIDEITIITEEX										N8	6-3	2100
N86-22112		p 188	N86-24212		p 226	N86-26839 #	ŧ	p 295	N86-27889 #		279	N86-29531		- 000
N86-22113 N86-22114		p 188	N86-24213 N86-24214	#	p 226 p 235	N86-26840 #		p 295	N86-27890 #		279	N86-29532	#	p 389 p 390
N86-22115	**	p 188 p 188	N86-24215	#	p 236	N86-26841 #		p 295	N86-27891 #		279	N86-29533	#	p 390
N86-22116		p 188	N86-24216	#	p 242	N86-26842 #		p 295	N86-27892 # N86-27893 #		286 287	N86-30302		p 393
N86-23217		p 209	N86-24217 1		p 242	N86-26843 # N86-26844 *#		p 295	N86-27894 #		279	N86-30303	*#	p 397
N86-23218		p 209	N86-24218 N86-24219	#	p 242 p 242	N86-26846 *#		p 297 p 297	N86-27895 #		287	N86-30304	#	p 397
N86-23219 N86-23220	#	p 209	N86-24220	#	p 242	N86-26847 * #		p 297	N86-27896 # N86-27897 #		279	N86-30305 N86-30306	#	p 398 p 398
N86-23221	#	p 209 p 209	N86-24221	#	p 242	N86-26848 *#		p 298	N86-27897 # N86-27898 #		280 280	N86-30307	#	p 398
N86-23222	#	p 209	N86-24222	#	p 243	N86-26849 * # N86-26850 * #		p 298 p 298	N86-27899 #		287	N86-30308	#	p 398
N86-23223	#	p 209	N86-24223 N86-24527 *	#	p 243 p 243	N86-26852 *#		p 298	N86-27900 #	F	280	N86-30309	#	p 398
N86-23224 N86-23225	#	p 210 p 210	N86-24546 *		p 236	N86-26853 *#	ŀ	p 298	N86-27901 # N86-27902 #		287	N86-30310 N86-30311	#	p 398 p 399
N86-23226	#	p 210			p 248	N86-26856 * #		p 299	N86-27902 # N86-27903 #		287 280	N86-30312	#	p 399
N86-23227	#	p 217			p 248	N86-26857 * # N86-26858 * #		p 299 p 299	N86-27904 #		287	N86-30313	#	p 399
N86-23228	#	p 210			p 255 p 255	N86-26859 *#		p 299	N86-27905 * #		287	N86-30314 N86-30315	#	p 399
N86-23229 N86-23230	#	p 217 p 217		#	p 256	N86-26860 *#		p 299	N86-27906 # N86-27907 #		288 288	N86-30316	#	p 399 p 399
N86-23231	#	p 218			p 256	N86-26861 * # N86-26863 * #		p 300	N86-27908 #		288	N86-30317	#	p 400
N86-23232	#	p 218		# #	p 256	N86-26864 *#		р 300 р 300	N86-27909 #		288	N86-30318	#	p 400
N86-23233 N86-23234	#	p 218			p 256 p 256	N86-26865 *#		p 300	N86-27910 #		288	N86-30319 N86-30320	#	p 400 p 400
N86-23235	#	p 218 p 218	N86-25118		p 265	N86-26866 *#		р 300	N86-27911 # N86-27912 #		288 288	N86-30321	#	p 400
N86-23236	#	p 219			p 265	N86-26867 * # N86-26868 * #		p 301	N86-27913 * #		288	N86-30322	#	p 400
N86-23237	#	p 210	N86-25120 N86-25121 *		p 265 p 272	N86-26869 *#		p 301 p 301	N86-27914 #		289	N86-30323	#	p 401
N86-23238 N86-23239	#	p 219	N86-25122 *		p 272	N86-26870 *#		p 301	N86-27915 #		289	N86-30324 N86-30325	#	p 401 p 401
N86-23240	#	p 219 p 219	N86-25123		p 273	N86-26871 *#		p 301	N86-27916 # N86-27917 #		289 289	N86-30326	#	p 401
N86-23241	#	p 219			p 273	N86-26872 * # N86-26873 * #		p 302	N86-27918 #		289	N86-30327	#	p 401
N86-23242	#	p 219			p 273 p 273	N86-26874 *#		p 302 p 302	N86-27919 #		290	N86-30328		p 404
N86-23243	#	p 220	N86-25970 *		p 248	N86-26875 *#		p 302	N86-27920 * #		292	N86-30329 N86-30330	#	p 404 p 404
N86-23244 N86-23245	#	p 220 p 220	N86-25971 *		p 248	N86-26876 * #		p 302	N86-27921 # N86-27922 #		292	N86-30331	#	p 404
N86-23247	#	p 210			p 248	N86-26877 *#		p 303	N86-27923 #		292 310	N86-30332	#	p 404
N86-23248	#	p 235			p 248	N86-26878 * # N86-26879 * #		p 303 p 303	N86-28291 *#		384	N86-30333	#	p 404
N86-23249	#	p 211			p 248 p 249	N86-26880 *#		p 303	N86-28606 * #		375	N86-30334	#	p 405
N86-23250 N86-23251	#	p 220 p 220			p 249	N86-26881 *#		p 304	N86-28607 # N86-28608 #		375	N86-30335 N86-30336	#	p 405 p 405
N86-23252	#	p 211			p 249	N86-26882 *#		p 304	N86-28608 # N86-28609 #		376 376	N86-30337		p 405
N86-23253	#	p 211	N86-25978 * N86-25979		p 257	N86-26883 * # N86-26884 * #		p 304 p 304	N86-28610 #		376	N86-30338		p 408
N86-23254	#	p 211			p 257 p 257	N86-26885 *#		p 305	N86-28611 #		379	N86-30339		p 408
N86-23255 N86-23256	#	p 211 p 220			p 257	N86-26886 *#		p 305	N86-28612 * #		379	N86-30340 N86-30341	#	p 408 p 408
N86-23257	#	p 211			p 257	N86-26887 *#		p 305	N86-28613 * # N86-28614 #		379 379	N86-30342		p 410
N86-23258	#	p 212			p 257	N86-26888 *# N86-26889 *#		p 305 p 305	N86-28615 #		379	N86-30343		p 411
N86-23259	#	p 220			р 258 р 258	N86-26890 *#		p 306	N86-28616 #		382	N86-30344	#	p 411
N86-23260 N86-23261	#	p 221 p 235			p 258	N86-26891 * #		p 306	N86-28617 #		382	N86-30345 N86-30346	#	p 411 p 411
N86-23263	#	p 235 p 221	N86-25987	#	p 258	N86-26892 * #		p 306	N86-28618 * # N86-28619 * #		384 384	N86-30347	#	p 411
N86-23264	#	p 241			p 258	N86-26893 * # N86-26894 * #		p 306 p 306	N86-28620 * #		384	N86-30348	#	p 412
N86-23265		p 221			p 258 p 265	N86-26895 *#		p 306 p 307	N86-28621 #		385	N86-31207	#	p 393
N86-23266 N86-23267	#	p 221			p 266	N86-26896 *#		9 307	N86-28622 #		385	N86-31208 N86-31209	#	p 394 p 394
N86-23268	# #	p 221 p 221	N86-25992		p 266	N86-26897 *#		p 307	N86-28623 # N86-28624 * #		385 386	N86-31210	#	p 401
N86-23269	#	p 221			p 273	N86-26898 * # N86-26899 * #		9 307 207	N86-28625 * #		386	N86-31211	#	p 402
N86-23270	#	p 221			p 293 p 293	N86-26900 *#		o 307 o 308	N86-28626 #		386	N86-31212	#	p 402
N86-23271 N86-23272	#	p 222			p 276	N86-26901 *#		308	N86-28868 #		387	N86-31213 N86-31214	#	p 402 p 402
N86-23273	# #	p 222 p 222			p 276	N86-26902 *#		308	N86-28871 # N86-29494 #		387 376	N86-31215	#	p 402
N86-23274	#	p 222			p 277	N86-26903 * # N86-26904 * #		9 308 9 308	N86-29495 * #		379	N86-31216	#	p 405
N86-23275	#	p 222	N86-26796 N86-26797 *		p 277 p 282	N86-26905 *#		308	N86-29496 *#	p	379	N86-31217		p 405
N86-23276 N86-23277	#	p 222	****		p 282	N86-26906 *#		309	N86-29497 * #			N86-31218 N86-31219		p 408 p 408
N86-23278	# #	p 222 p 235			p 282	N86-26907 *#	ı	309	N86-29498 * # N86-29499 #		380 380	N86-31220		p 408
N86-23279	#	p 235			p 283	N86-26908 * # N86-26909 * #		309	N86-29500 #		380	N86-31221	#	p 409
N86-23280	#	p 235			p 283	N86-26910 *#		309 309	N86-29501 #		380	N86-31222	#	p 409
N86-23281 N86-24184	# #	p 241 p 212			o 283 o 293	N86-26911 *#		309	N86-29502 * #		382	N86-31223 N86-31224	#	р 409 р 409
N86-24185	#	p 212		#	294	N86-26912 *#		310	N86-29503 * # N86-29504 * #		382 382	N86-31225	#	p 409
N86-24186	#	p 212			283	N86-26913 # N86-27152 *#		310	N86-29505 *#		383		#	p 409
N86-24187	#	p 212	N86-26812 N86-26813		o 283 o 294	N86-27864 *#		9 310 9 277	N86-29506 #		383	N86-31412		p 409
N86-24188 N86-24189		p 212 p 213			283	N86-27865 #		277	N86-29507 * #		385	N86-31421 N86-31422		p 412 p 410
N86-24190		p 213	N86-26815	# i	284	N86-27866 #		277	N86-29508 * # N86-29509 * #		385 385	N86-31426		p 402
N86-24191		p 213			294	N86-27867 # N86-27868 #		277	N86-29510 #		386	N86-31428		p 403
N86-24192 *		p 223			284 284	N86-27869 #		) 278 ) 278	N86-29511 #		386	N86-31431		p 412
N86-24193		p 223			284	N86-27870 #		285	N86-29512 #		386	N86-31436 ' N86-32082		p 412
N86-24194 N86-24195		p 223 p 223			284	N86-27871 #	F	278	N86-29513 * # N86-29514 #		386		# '#	p 415 p 416
N86-24196		p 223		# (	284	N86-27872 # N86-27873 #		285	N86-29514 # N86-29515 #		387 387	N86-32084	#	p 416
N86-24197		p 223	N86-26823 (		284	N86-27873 # N86-27874 #		278 285	N86-29516 #		387	N86-32085	#	p 416
N86-24198		P 220	N86-26826		294 290	N86-27875 #		285	N86-29517 #	p	387	N86-32086 N86-32087	#	p 416
		n 224	N86-26827		290	N86-27876 #	P	285	N86-29518 # N86-29519 #		387	N86-32087 N86-32088	#	p 416 p 422
		D 224	N86-26828	<b>#</b> [	290	N86-27877 #		278	N86-29519 # N86-29520 #		388 388	N86-32089	#	p 422
N86-24202	#	p 224	N86-26829 #		291	N86-27878 # N86-27879 #		278	N86-29521 #		388	N86-32090	#	p 423
		P 224	N86-26830 # N86-26831 #		291 291	N86-27880 #		285 285	N86-29522 #		388	N86-32091	#	p 423
			N86-26832 #		291	N86-27881 #		292	N86-29523 #		388	N86-32092 N86-32093	# #	p 423 p 423
		p 225 p 225	N86-26833 #	<b>*</b> F	291	N86-27882 #	P	286	N86-29524 # N86-29525 #		388 389	N86-32094	#	p 423
N86-24207	#	D 225	N86-26834 #			N86-27883 # N86-27884 #		292	N86-29526 #		389	N86-32095	#	p 427
	#	p 225	N86-26835 #		232	N86-27885 #		286 286	N86-29527 #		389	N86-32096		p 427
		r	N86-26836 * #		294	N86-27886 #		279	N86-29528 #		389	N86-32097 N86-32098		p 427
			N86-26837 # N86-26838 #	•		N86-27887 #	p	286	N86-29529 #	-		N86-32098		p 427 p 427
	**	F -=-	N86-26838 #	, t	295	N86-27888 #	P	286	N86-29530 #	р		N86-32100		p 427

N86-32101 \* # p 434 p 434 N86-32102 \* p 434 p 434 p 435 p 435 p 435 N86-32103 N86-32104 N86-32105 N86-32106 N86-32107 p 435 p 435 p 435 N86-32108 N86-32109 N86-32110 p 444 p 417 p 417 N86-32111 N86-32950 N86-32951 N86-32952 p 417 p 417 N86-32953 p 423 p 423 p 424 N86-32954 N86-32955 N86-32956 p 424 p 424 p 424 N86-32957 N86-32958 N86-32959 p 424 p 425 N86-32960 N86-32961 p 425 p 425 p 425 p 425 N86-32962 N86-32963 N86-32964 p 425 p 426 p 427 N86-32965 N86-32966 N86-32967 N86-32968 p 428 p 428 N86-32969 N86-32970 p 428 p 428 p 428 p 428 p 429 N86-32971 N86-32972 N86-32973 N86-32974 N86-32975 N86-32976 p 429 p 436 N86-32977 \* # N86-32978 \* # p 436 p 436 p 436 N86-32979 N86-32980 \* # N86-32981 \* # p 436 D 436 N86-32982 \* # N86-32983 \* # p 437 p 437 N86-32984 p 437 N86-32985 \* # N86-32986 \* # p 437 p 437 p 438 N86-32987 p 438 p 438 p 438 N86-32988 \* # N86-32989 \* # N86-32990 \* # N86-32991 \* # p 438 p 439 N86-32992 \* # N86-32993 \* # N86-32994 \* # p 439 p 439 p 439 N86-32995 N86-32996 p 439 p 439 N86-32997 N86-32998 \*# p 440 N86-32999 p 440 p 440 N86-33000 p 440 p 440 p 441 N86-33001 \*# N86-33002 \*# N86-33003 N86-33004 \* # p 441 p 441 p 441 N86-33005 N86-33006 \* # N86-33007 \* # p 441 p 441 p 442 p 442 p 442 p 442 p 442 N86-33008 N86-33009 \* # N86-33010 \* # N86-33011 \* # N86-33012 \* # N86-33013 \* # p 442 p 443 p 443 N86-33014 N86-33015 N86-33016 p 443 N86-33017 p 443 N86-33018 p 443 p 443 N86-33019 N86-33020 N86-33021 p 443 p 444 N86-33022 N86-33023 N86-33024

### **SPECIAL NOTICE**

The abstract sections of the monthly supplements of *Aerospace Medicine and Biology* can be bound separately. Individual abstracts can be located readily by means of the page numbers given at each entry, e.g., p 278 N86-27878. To assist the user in binding Supplements SP-7011(281) through SP-7011(292), a title page is included in this Cumulative Index.

# AEROSPACE MEDICINE AND BIOLOGY

### A CONTINUING BIBLIOGRAPHY

## Abstracts January — December 1986

### **TABLE OF CONTENTS**

SP-7011	
Supplement	Page
281	1
282	25
283	49
284	79
285	103
286	
287	191
288	245
289	275
290	371
291	391
292	

1. Report No. NASA SP-7011 (293)	2. Government Accession	n No.	3. Recipient's Catalog	No.		
4. Title and Subtitle  AEROSPACE MEDICINE AND BIOLOGY A Cumulative Index to the 1986 Issues			5. Report Date  January 1987 6. Performing Organization Code			
7. Author(s)  9. Performing Organization Name and Address  National Aeronautics and Space Administrati Washington, D.C. 20546  12. Sponsoring Agency Name and Address			Report No.  10. Work Unit No.			
		1				
		tration	11. Contract or Grant No.			
		1	13. Type of Report and Period			
		1	4. Sponsoring Agency	Code		
15. Supplementary Notes						
This publication is a cumulative index to the abstracts contained in the Supplements 281 through 292 of Aerospace Medicine and Biology: A Continuing Bibliography. It includes seven indexes - subject, personal author, corporate source, foreign technology, contract number, report number, and accession number.  17. Key Words (Suggested by Author(s))  Aerospace Medicine  18. Distribution Statement						
Bibliographies Biological Effects		Unclassified - Unlimited				
19. Security Classif, (of this report)	20. Security Classif. (o	f this page)	21. No. of Pages	22. Price*		
Unclassified	Unclassifi	ed	248	\$14.00 HC		