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**BIBLIOGRAPHY ON
HEAT TRANSPORT IN NUCLEAR FUELS
AND RELATED PHENOMENA**

by

J. RICHTER, H.E. SCHMIDT and H.A. TASMAN

1974



**Joint Nuclear Research Centre
Karlsruhe Establishment - Germany**

European Institute for Transuranium Elements

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ABSTRACT

This bibliography contains 3915 references on heat transport in nuclear fuel materials and related phenomena, covering theoretical and experimental work, papers on modeling, data collections and review articles which have been published in books, journals, reports, transactions or conference proceedings. The latest updating took place in September 1973. The earliest reference dates from 1883.

While the open literature on heat transport in nuclear fuels is rather exhaustively covered, the collection of references on related phenomena is not complete, and can by no means be so, due to the lack of well defined selection criteria. Their choice was based on practical arguments and may be considered typical for the scope of the Institute's program.

Each reference is provided with a set of key-symbols (numbers and/or letters) which designates as closely as possible the contents of the article in question and which provides for a highly selective retrieval, either manually (cf. Appendix) or by means of a small computer. The employed keyword-system is unconventional, but it is tailored to fit the particular needs of a laboratory engaged in physical property work on nuclear fuel materials.

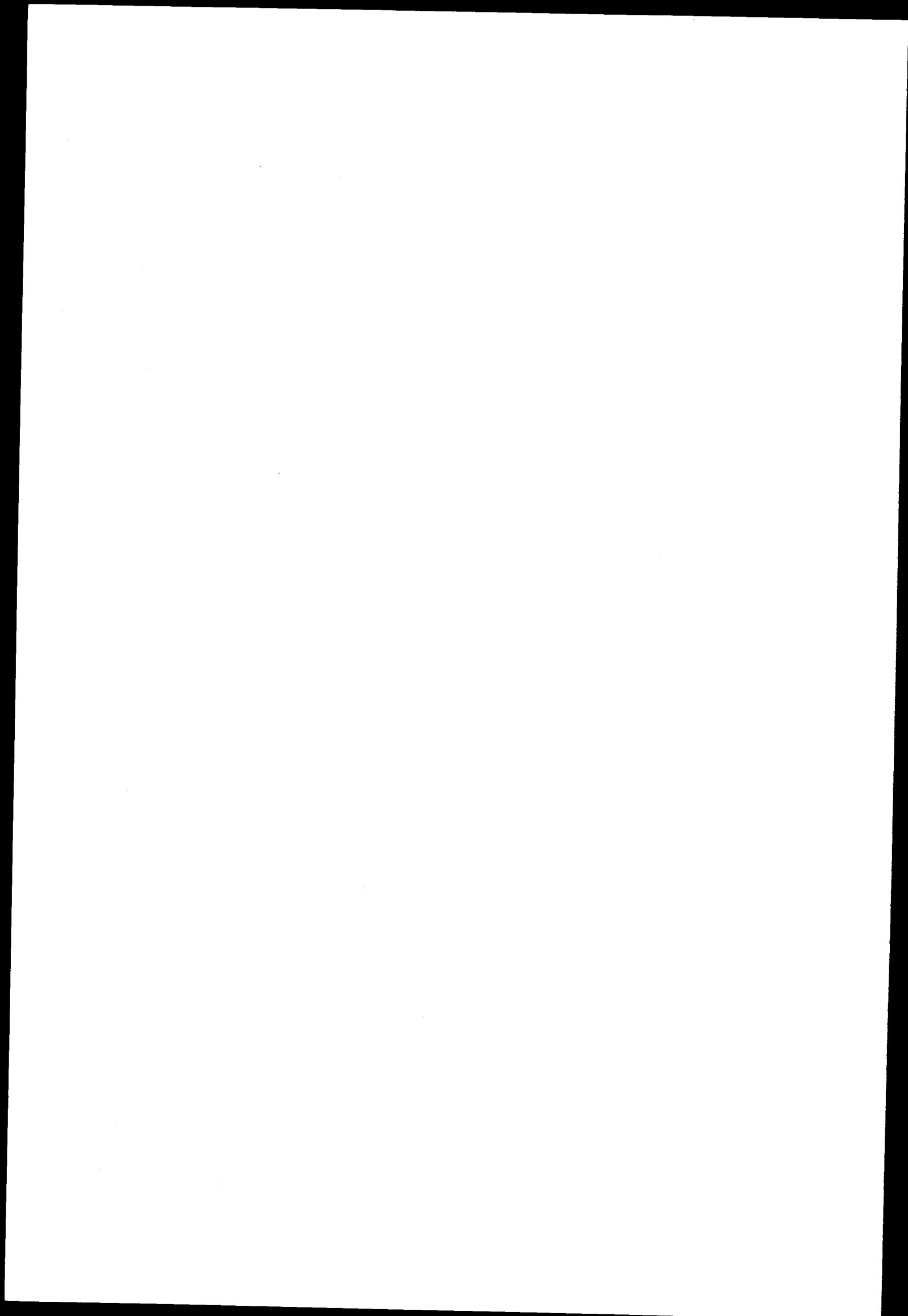
In almost all cases, keywords were attributed only after consultation of the original document.

KEYWORDS

DOCUMENTATION
NUCLEAR FUELS
HEAT TRANSFER
THERMODYNAMIC PROPERTIES
INFORMATION SYSTEMS

TABLE OF CONTENTS

I. <u>DESCRIPTION OF THE SYSTEM</u>	
1. Introduction	5
2. Organisation	5
3. Retrieval Code	7
4. Computerized Storage and Handling System	10
5. Manual Retrieval	10
6. Statistical Addendum	11
7. Errata - Addenda	15
II. <u>BIBLIOGRAPHY</u>	
1. Oxides	17
2. Carbides and Nitrides	103
3. Cermets	135
4. Metals	141
III. <u>MANUAL RETRIEVAL AIDS</u>	
1. Oxides	171
2. Carbides and Nitrides	195
3. Cermets	205
4. Metals	207



1. INTRODUCTION

This bibliography contains 3915 references on heat transport in nuclear fuel materials and related phenomena, covering theoretical and experimental work, papers on modeling, data collections and review articles which have been published in books, journals, reports, transactions or conference proceedings. The latest updating took place in September 1973. The earliest reference dates from 1883.

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In almost all cases, keywords were attributed only after consultation of the original document.

2. ORGANISATION

The bibliography is divided in four sections

- I Oxides
- II Carbides and Nitrides (comprising carbo-nitrides and their oxygen containing compounds, sulphides, selenides and phosphides)
- III Cermets
- IV Metals and Alloys.

Within each section, the references are provided with a running identification number.

For each reference, the following data are given:

- the name of the author(s)
- the title of the article (in English)
- the bibliographical data (name of journal, book, report, report number, year of publication, page(s))
- the number of the corresponding Nuclear Science Abstract, if available
- a set of key symbols (subject code and materials code)
- a value code (for internal use only)

The total of 3915 references is distributed in the following manner among the four sections of the bibliography: (cf. Fig. 1)

I Oxides :	2235
II Carbides, Nitrides:	807
III Cermetes :	141
IV Metals :	732

The repartition of references among the most important subjects is given in the following table :

Section	I	II	III	IV	total
Thermal conductivity	1506	402	95	262	2265
Electrical conductivity	314	260	40	289	903
Specific heat	183	148	2	138	471
Optical properties	111	11	-	14	136
Mechanical properties	308	195	40	248	791
Models	262	19	4	12	297

Authors Names

The references are listed in each section in the alphabetic order of the first author's name, for a given author according to the year of publication and for each year in the sequence of their appearance (1969-A, 1969-B, 1969-C, etc). The author's name with year and sequence letter fully identifies the entry. In the case of extracts from projects or laboratory reports, the names of the persons who performed the work - if available - are indicated, rather than those of the editors or program managers.

Umlaute (a, o, u) were transcribed by ae, oe, ue. Names with prefixes (de, di, van, von) are to be found under D and V, respectively, where, for example, DE BATIST ranges before DEAN.

A unique orthography was adopted for names who's spelling was differently transcribed by different translators.

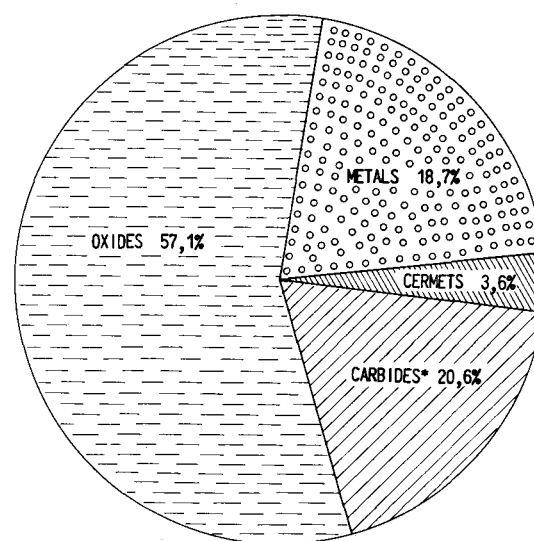


Fig. 1

Titles

All titles are given in English. For non-english texts, the Nuclear Science Abstracts translation of the original heading is used, if it was available. Except for papers in English, the original language of the publication is indicated in parentheses.

Certain symbols, subscripts and greek letters, if they appeared in a title, had to be transcribed according to the possibilities of the print-out facility.

The titles of extracts from project or laboratory reports are not always those of the entire report or of the chapter from which the reference was taken.

Other Bibliographical Data

Indications such as progress report, final report, reporting period, project number, contract number, availability, price, have been omitted. They may readily be found in the corresponding NSA.

References on books and conference proceedings are usually accompanied by the names of the editors or publishers. For conferences, the year of the publication of the proceedings is given, rather than the date at which the conference took place.

Articles which appeared in journals are cited with the name of the journal (abbreviated as in Nuclear Science Abstracts), volume, year and page numbers (i.e. Phys. Letters 7 (1963) p. 21-2), while for reports in general the total number of pages is given, if the whole report has some relevance to the subject matter: (BMI-1135 (1956) 42 p.), or the numbers of the pages of interest in the present context: (TID-7530 (1957) p.46-54).

If the same paper has been published in several forms (e.g. in a conference report and in a journal or in the original language and translated into another one), each publication is cited as a separate reference.

3. RETRIEVAL CODES

Every article quoted has been indexed by using

a) a combination of up to 15 key-numbers from the catalogue in Tab. 1, to characterize as closely as possible the subject the paper is dealing with, b) the symbol W for articles on heat transfer studies in the strictest sense of the word, c) a set of letters chosen from Tab. 2 to designate the material investigated (materials code)

The terms 'anions', 'cations' and 'additives' should, in this context, be understood in a rather broad sense. The symbol for an 'additive' may, for example, stand for the major (metallic) constituent of a cermet.

For an article which deals with several groups of materials (for example UC, UN and PuC), the attribution of symbols for 'anions' and 'cations' is not unequivocal. In the above case it would read: U,Pu C,N. In general, the title of the paper permits a quick clarification in these cases.

1. Theory, models, calculations of temperature profiles and conductivity integrals
 2. Properties of non-irradiated material
 3. In-pile behaviour, irradiation experiments, simulation of burn-up and temperature profile
 4. Post-irradiation examination, properties of irradiated material
 5. Low-temperature studies (T below 273K)
 6. Studies at intermediate temperatures (T between 273 and 1500K)
 7. High-temperature studies (T above 1500K)
 8. Contact conductance, studies of fuel-to-cladding heat transfer
 9. Development of experimental methods
 10. Single crystals
 11. Sintered material, hot-pressed material
 12. Loose and compacted powders (swaged, vibrated), coated particles
 13. Fused and arc-cast materials (arc-molten, drop-cast), films
 14. Porosity, density, fabrication procedures in general
 15. Stoichiometry, concentration of constituents, composition
 16. Additives, cermets, mixed compounds, multi-component systems, alloys, composites
 17. Irradiation effects, radiation damage, burn-up effects
 18. Time, transients
 19. (not used)
 20. Electrical properties, electronic structure
 21. Heat capacity, enthalpy, specific heat
 22. Optical properties, internal radiation, emittance
 23. Microstructure, grain growth
 24. Fission gas release, fission gas pressure
 25. Fission product distribution
 26. Melting point, central melting, molten material
 27. Mechanical properties, in particular thermal expansion
 28. (not used)
 29. Models
 30. Review paper, discussion, tables, bibliography
- W. Work dealing with heat transport in the strictest sense

Table 1. Keys and Codes

Not more than 3 'additive' -codes were retained per reference. If more than three additives were involved, the code 'ME' was used, which stands for metals. ME designates also additives which are not included in the present additive code.

code	cation	code	anion
U	Uranium	O	Oxides
P	Plutonium	C	Carbides
T	Thorium	N	Nitrides
X	Americium, Curium, Neptunium	S	Sulfides, Selenides
M	Uranium-Plutonium	F	Phosphides, Borides
V	Uranium-Thorium	I	Silicides
Q	Plutonium-Thorium	A	Oxi-Carbides
R	Uranium-Plutonium-Thorium	B	Oxi-Nitrides
K	Coated Particles	D	Oxi-Carbo-Nitrides
-		E	Carbo-Nitrides

The additive codes

H, ZR, GA, AL, NB, MO, CR, CU, TI, FE, Y, U, SI, B, W, NI,
CE, CA, MG, BE

stand for the corresponding chemical elements,

SS = Stainless Steel, FS = Fission, ME = Metals in general

Table 2. Materials Codes

4. THE COMPUTERIZED STORAGE AND HANDLING SYSTEM

A series of computer programs have been written *), to assist in the establishing, updating, and exploitation of bibliographical files, by means of a small low-cost computer. The minimum computer configuration is an IBM-1130 with 8K core memory, one disc drive, a 144⁰/6 card reader/punch, and an 1132 line printer. To each entry, a keyword is attributed, composed of subject keys and material codes, which is based on the original text. The following information is stored: All author names, (primary as well as secondary,) a value code, the complete title, the bibliographical reference, and the keyword. The ways chosen for disc storage combine optimum information density with fast selective retrieval through the possibility of random access. One disc cartridge can hold all data from about 3900 entries, together with all necessary programs for loading and retrieval. Nearly all programs were written in FORTRAN, a few are in ASSEMBLER.

The present package contains programs for checking and loading the data, for editing a complete bibliography, either arranged alphabetically on the first author's name, or in order of ascending NSA-abstract numbers, and for selective retrieval, either on keyword, on author name (primary as well as secondary), on words in the title, or on reference text elements. Overlapped input/output and buffered disc communication greatly improve the speed of operation.

To assist manual retrieval where no computer access is available, the attributed keywords can be printed out in matrix form.

5. MANUAL RETRIEVAL

The tables given in the Appendix enable the user of this bibliography to carry out his own retrieval for documents on a specific subject without recurring to a computer (which, of course, does it faster and more efficient).

By checking each horizontal line in the tables for occurrence of all relevant symbols and by noting the respective document numbers, retrieval may readily be accomplished.

*) Tasman, H.A.: Management of Bibliographical Data by means of a Small Computer. EUR-5709e (1973) (in press)

6. STATISTICAL ADDENDUM

Fig. 2 shows the number of references per year of publication for the period between 1940 and 1973.

In fig. 3, the number of references per year which deal with uranium are compared with those on uranium-plutonium and plutonium-bearing materials. It appears, that most work on UO₂ was done in 1963/64 while later on the effort in physical properties research was shifted to plutonium containing materials.

Fig. 4 demonstrates the rising number of publications on model development work, which in 1971 accounted for nearly 35% of the publications quoted.

ACKNOWLEDGEMENT

Thanks are due to the staff of the library of the Nuclear Research Center, Karlsruhe (GfK), and of the Zentralstelle fuer Atomkernenergie-Dokumentation (ZAED) Karlsruhe, for their effective collaboration in providing the authors with the large amount of literature used for this work.

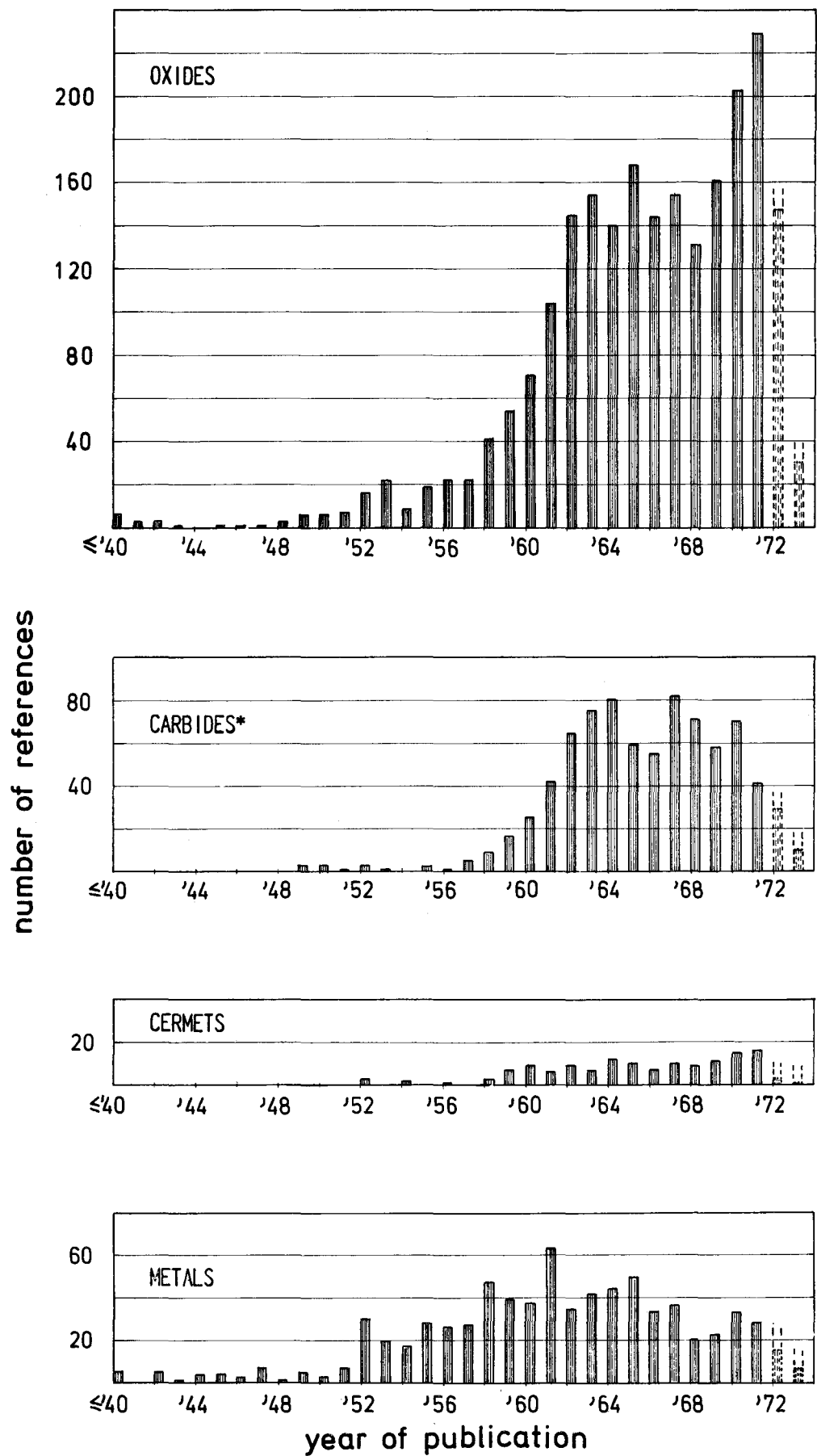


Fig. 2

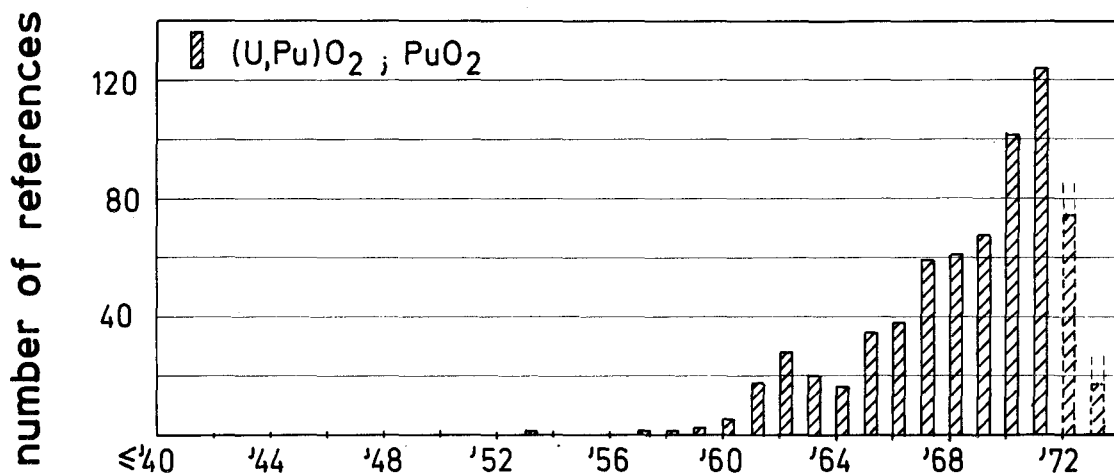
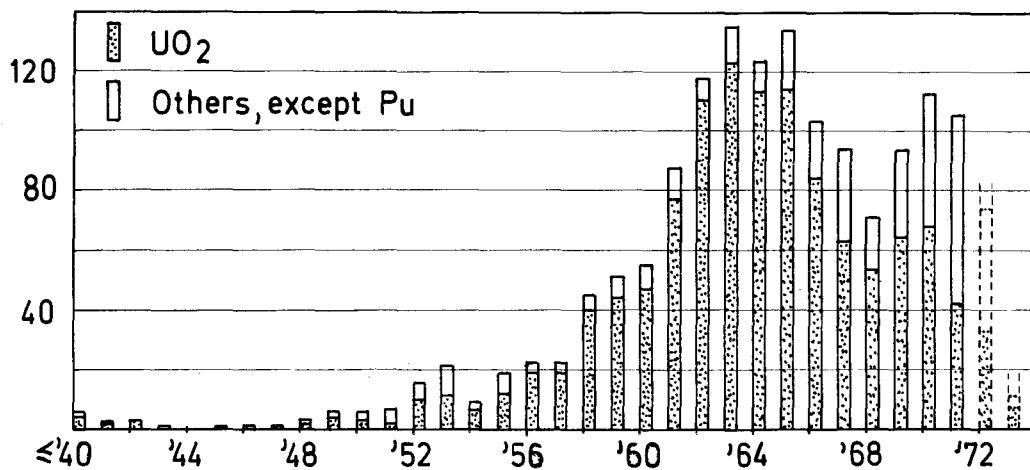


Fig. 3a

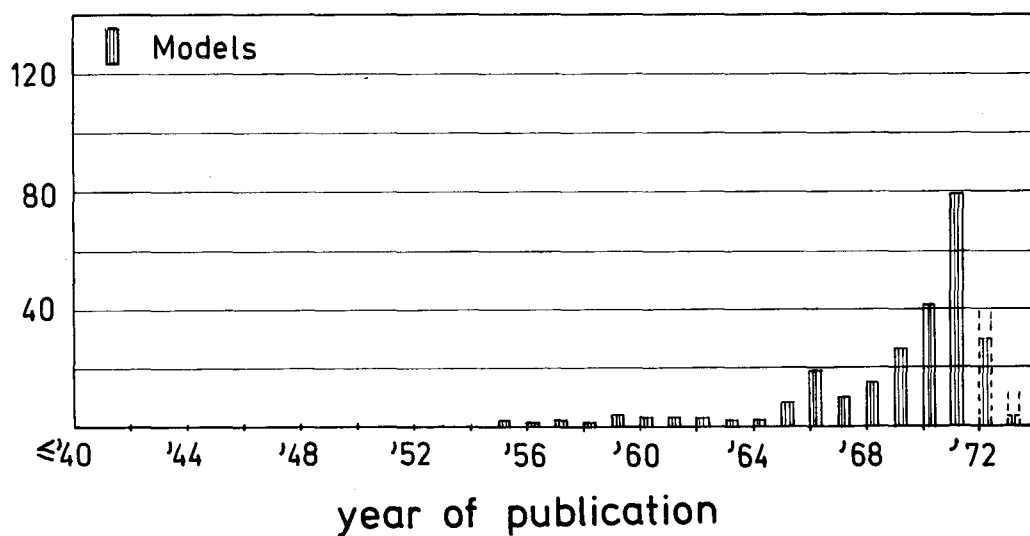


Fig. 4

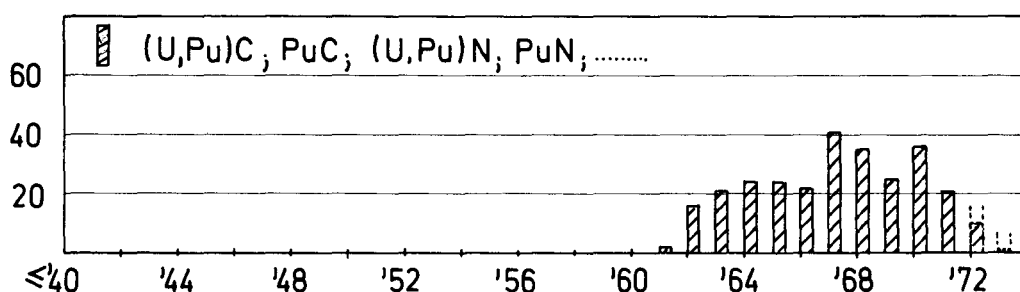
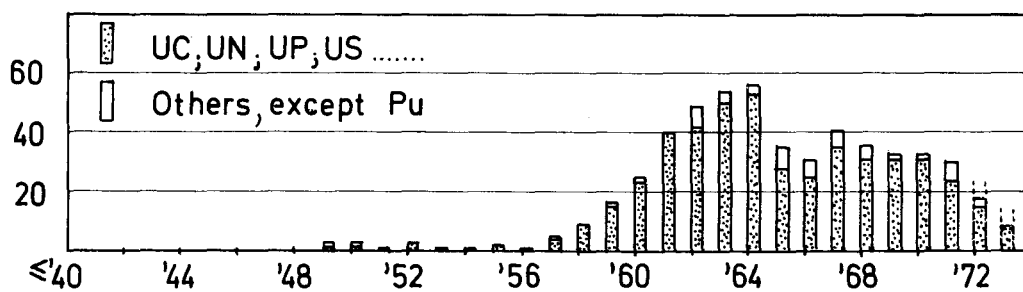


Fig. 3b

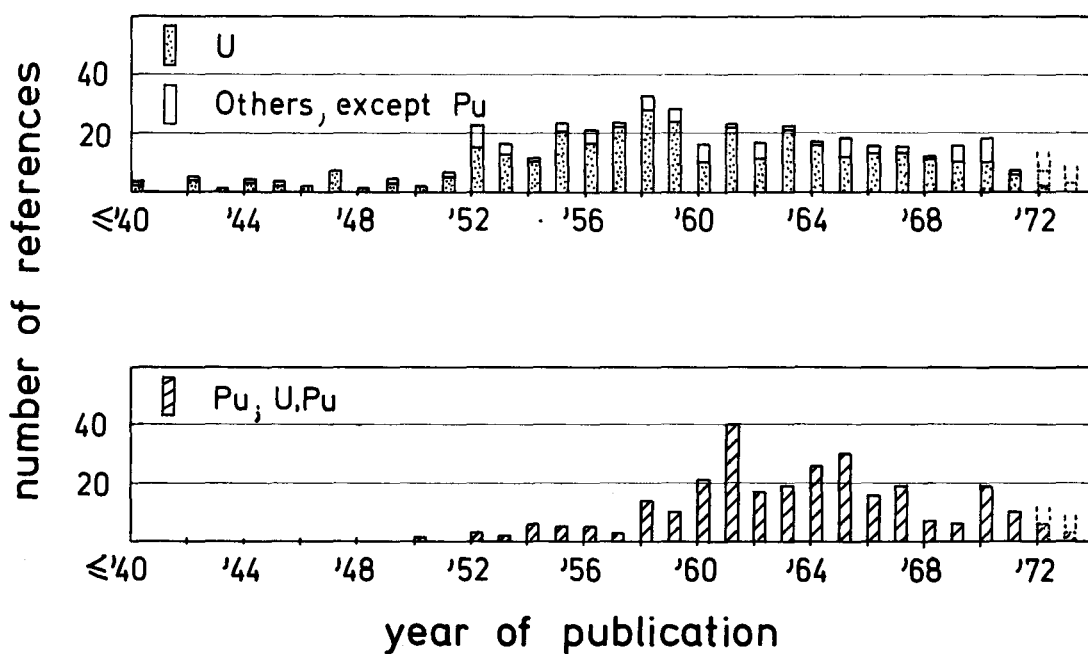


Fig. 3c

ERRATA - ADDENDA

OXIDE FUELS

add	24	BRIT. J. APPL. PHYS. 19
correct	29	PLUTONIA
add	224	(NSA 22-32771)
add	234	(NSA 27-15160)
add	301	(CONF-710414)
add	366	(CONF-730611) (NSA 28-13128)
add	437	(NSA 27-11792)
add	471	(CONF-690512)
add	503	(CONF-720420) (NSA 28-15908)
add	514	HIGH PERFORMANCE UO ₂ PROGRAM. THE THERMAL CONDUCTIVITY OF UO ₂ BY DIRECT IN-REACTOR MEASUREMENT
add	648	(CONF-710903-(VOL.2)-(PT.C)) (NSA 28-14816) (NSA 28-14812)
add	707	(NSA 28-8565)
correct	714	(UO _{0.8} Pu _{0.2})O(2-X)
correct	723	(GE-TM-63-9-5)
add	916	(NSA 28-15862)
add	917	(CONF-680419-3)
add	957	(CONF-720420) (NSA 28-15909)
add	1030	(EUR-4854.d) (NSA 28-14416)
add	1042	(CONF-710414)
delete	1047	
add	1109	(CONF-710414)
add	1112	(NSA 27-27131)
add	1120	(CONF-710903-(VOL.2)-(PT.C)) (NSA 28-14412)
correct	1164	(NSA 22-33093)
add	1164	(NSA 22-32771)
add	1265	(CONF-720420) (NSA 28-15907)
add	1281	Z. PHYS. CHEM. (FRANKFURT) 49
add	1382	(AED-CONF.1963-060-96)
add	1409	(CONF-710903-(VOL.2)-(PT.C)) (NSA 28-14405) (NSA 28-14812)
delete	1414	(AECL-1184)
correct	1439	(NSA 25-25238)
correct	1527	1968-A; (1968)
add	1643	(CONF-670915-5)
add	1651	(CONF-710414)
add	1713	1 3 6 7 8 11 W
delete	1714	
add	1731	1 3 6 7 11 20 W (NSA 28-11194)
correct	2141	THERMAL DIFFUSIVITY OF URANIUM AND THORIUM DIOXIDES AT HIGH TEMPERATURE (IN FRENCH) (NSA 28-8590)
add	2203	(CONF-730611) (NSA 28-13124)

CARBIDES

correct	206	IAEA PANEL ON THE THERMODYNAMIC PROPERTIES OF URANIUM CARBIDES AND PLUTONIUM CARBIDES, VIENNA, AUSTRIA
correct	256	MONOXIDES
add	278	(CONF-681419-3)
correct	607	AED-CONF.68-189-002 IAEA PANEL ON THE THERMODYNAMIC PROPERTIES OF URANIUM CARBIDES AND PLUTONIUM CARBIDES, VIENNA, AUSTRIA
correct	614	KUZNETSOVA V.G.
correct	670	P (CATIONS)

CERMETS

add	134	(1970) (PUB.) IFI/PLENUM N.Y., WASH.
-----	-----	--------------------------------------

METALS

add	290	(NSA 28-16079)
add	324	(NSA 29-998)
add	401	SER.A, 317 (1970)
correct	590	KUMAGAI K.I.
add	590	(NSA 28-13311)
add	683	VEAL B.W. KOELLING D.D., FREEMAN A.J.

** 1 **

** 2 **

B I B L I O G R A P H Y ** OXIDE FUELS - UPDATED SEPT 1973 **

- 2 AARSET B. 1972-A
KJAERHEIM G.
IN-CORE APPLICATIONS AND EXPERIENCE WITH THERMOCOUPLES IN THE
MALDEN BOILING WATER REACTOR
TEMPERATURE, ITS MEASUREMENT AND CONTROL IN SCIENCE AND
INDUSTRY. VOLUME FOUR, PART 3 (1972) P.1889-1902 (ED.) PLUMB
M.H.
KEYWORDS 3 6 7 9 11 W
CATIONS U ANIONS O
- ABE J. - SEE NR 1258
- ABE K. - SEE NR 1235
- 3 ACCARY A. 1961-A
DELMAS R.
CERAMIC FUELS (IN FRENCH)
BULL. INFORM. SCI. TECH. (PARIS) 49 (1961) P.2-18 (NSA 15-
21169)
KEYWORDS 2 6 11 30 W
CATIONS U ANIONS O
- 4 ACCARY A. 1964-A
DELMAS R.
RECENT DEVELOPMENTS IN THE FIELD OF REFRACTORY FUELS (IN
FRENCH)
CEA-R 2674 (1964) 16P. (A/CONF-28/P/59) (NSA 18-37602)
KEYWORDS 3 8 11 W
CATIONS U ANIONS O
- 5 ACCARY A. 1965-A
DELMAS R.
RECENT DEVELOPMENTS IN REFRACTORY FUELS (IN FRENCH)
PROC. 3RD INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 11
(1965) GENEVA P.293-9 (A/CONF.28/P/59) (NSA 18-37602)
KEYWORDS 3 8 11 W
CATIONS U ANIONS O
- 6 ACKERMANN R.J. 1955-A
THE ABSORPTION SPECTRUM AND COLOR OF URANIUM DIOXIDE
SUBLIMATES (IX ADDENDUM)
ANL-5482 (1955) P.104-5 (NSA 9-7981)
KEYWORDS 2 6 11 22
CATIONS U ANIONS O
- 7 ACKERMANN R.J. 1959-A
THORN R.J. WINSLOW G.H.
VISIBLE AND ULTRAVIOLET ABSORPTION PROPERTIES OF URANIUM
DIOXIDE FILMS
J. OPT. SOC. AMER. 49 (1959) P.1107-12 (NSA 14-746)
KEYWORDS 2 6 13 22
CATIONS U ANIONS O
- 8 ADAM J. 1957-A
TEMPERATURE DISTRIBUTION WITHIN A FUEL ROD WITH SPECIAL
REFERENCE TO UO2 CYLINDRICAL FUEL ELEMENTS
AERE-W/R 2414 (1957) 16P.
KEYWORDS 1 3 7 11 29 W
CATIONS U ANIONS O
- 9 ADAMS M. 1953-A
THERMAL CONDUCTIVITY III - PROLATE SPHEROIDAL ENVELOPE METHOD.
DATA FOR AL2O3, BEO, MGO, ThO2 AND ZRO2
NYO-3643 (1953) P.30-47 (NSA 7-2552)
KEYWORDS 2 6 11 W
CATIONS T ANIONS O
- 10 ADAMS M. 1954-A
THERMAL CONDUCTIVITY - III. PROLATE SPHEROIDAL ENVELOPE
METHOD. DATA FOR AL2O3, BEO, MGO, ThO2 AND ZRO2
J. AMER. CERAM. SOC. 37 (1954) P.74-9 (NYO-3643) (NSA 8-2416)
KEYWORDS 2 6 11 W
CATIONS T ANIONS O
- ADAMS R.E. - SEE NR 523 1269 1705 1706 1928
- 11 ADAMS R.M. 1963-A
GLASSNER A.
THERMAL DIFFUSIVITY OF UO2
ANL-6705 (1963) P.42 (NSA 17-22783)
KEYWORDS 2 6 11 W
CATIONS U ANIONS O
- 12 ADAMS R.M. 1966-A
GLASSNER A.
THERMAL DIFFUSIVITY EQUIPMENT FOR CERAMIC MATERIALS
ANL-7249 (1966) P.46 (NSA 20-45106)
KEYWORDS 2 6 7 9 W
CATIONS U ANIONS O
- ADDISON L.E. - SEE NR 1327 1328
- 13 AECL 1963-A
IMPROVEMENT IN NUCLEAR REACTOR FUEL ELEMENTS
FRENCH PATENT 1,418,010 (1963) (NSA 20-37837)
KEYWORDS 2 9 15 W
CATIONS U P T ANIONS O
- 14 AECL 1968-A
DOPED, PARTIALLY REDUCED, CERAMIC FUELS FOR NUCLEAR FUEL
ELEMENTS
BRITISH PATENT 1,099,329 (1968) 3P. (NSA 22-13070)
KEYWORDS 2 6 7 11 16 W
CATIONS U ANIONS O ADDITIVES NB Y ME
- 15 AFFORTIT C. 1968-A
SPECIFIC HEAT OF UC, UO(2+X) AND UN (IN FRENCH)
CEA-CONF-1140 (1968) 16P. (CONF-681116-1) (NSA 23-18208)
KEYWORDS 2 6 7 11 21
CATIONS U ANIONS O
- 16 AFFORTIT C. 1969-A
SPECIFIC HEAT OF UN, UC, AND UO2 (IN FRENCH)
HIGH TEMP. - HIGH PRESSURES 1 (1969) P.27-33 (NSA 23-48550)
KEYWORDS 2 6 7 11 21
CATIONS U ANIONS O
- 17 AFFORTIT C. 1969-B
SPECIFIC HEAT OF UN, UC, AND UO2
RFP-TRANS-67 (1969) 12P. (NSA 24-44792)
KEYWORDS 2 6 7 11 21
CATIONS U ANIONS O
- 18 AFFORTIT C. 1970-A
SPECIFIC HEAT OF UC, UO2+X, AND UN (IN FRENCH)
BMW-FB K 70-01 (1970) P.V/I 1-13 (NSA 23-18208) (NSA 24-
34837)
KEYWORDS 2 6 7 11 21
CATIONS U ANIONS O
- 19 AFFORTIT C. 1970-B
MARCON J.P.
THE SPECIFIC HEAT OF URANIUM AND PLUTONIUM OXIDES AT HIGH
TEMPERATURES (IN FRENCH)
NOTE TECHNIQUE SECBP-101 (1970) CEA 11P.
KEYWORDS 2 6 7 11 21
CATIONS U M ANIONS O
- 20 AFFORTIT C. 1970-C
MARCON J.P.
SPECIFIC HEAT OF THE OXIDES OF URANIUM AND PLUTONIUM AT HIGH
TEMPERATURE (IN FRENCH)
PROC. 2ND EUROPEAN CONF. ON THERMOPHYSICAL PROPERTIES OF
SOLIDS AT HIGH TEMPERATURES (SALFORD), REV. INT. HAUTES TEMP.
REFRACT. 7 (1970) P.236-41 (NSA 25-22175)
KEYWORDS 2 6 7 11 15 21
CATIONS U M ANIONS O
- 21 AFFORTIT C. 1972-A
CONTRIBUTION TO THE STUDY OF THE SPECIFIC HEAT OF ACTINIDE
COMPOUNDS
CEA-R-4266 (1972) 91P. (NSA 26-31487)
KEYWORDS 2 6 7 9 15 21
CATIONS U P M ANIONS O
- AGNIHOTRI P.K. - SEE NR 1740 1741 1743
- 22 AINSCOUGH J.B. 1965-A
THE EFFECT OF ELECTRICAL CONDUCTION IN UO2 ON ITS HIGH-
TEMPERATURE THERMAL CONDUCTIVITY AS DETERMINED BY RADIAL FLOW
TECHNIQUES
TRG-REPORT 1051 (S) (1965) 12P. (NSA 21-526)
KEYWORDS 2 7 11 20 W
CATIONS U ANIONS O
- 23 AINSCOUGH J.B. 1966-A
THE EFFECT OF ELECTRICAL CONDUCTION IN UO2 ON THE MEASUREMENT
OF ITS HIGH TEMPERATURE THERMAL CONDUCTIVITY AS DETERMINED BY
RADIAL FLOW TECHNIQUES
J. NUCL. MATER. 20 (1966) P.184-92 (NSA 21-526)
KEYWORDS 2 7 11 20 W
CATIONS U ANIONS O
- 24 AINSCOUGH J.B. 1968-A
WHEELER M.J.
THE HIGH-TEMPERATURE THERMAL CONDUCTIVITY OF SINTERED URANIUM
DIOXIDE
BRIT. J. APPL. PHYS. (J. PHYS. D) 1 (1968) P.859-68 (NSA 22-
41110)
KEYWORDS 2 7 11 W
CATIONS U ANIONS O
- 25 AINSCOUGH J.B. 1970-A
SOME LIMITING ASPECTS OF UO2 PERFORMANCE
TRG-REPORT 1937 (S) (1970) 16P. (NSA 25-4888)
KEYWORDS 3 7 11 23 24 W
CATIONS U ANIONS O
- 26 AINSCOUGH J.B. 1971-A
AN ASSESSMENT OF THE IFA-116 AND 117 IRRADIATIONS FROM DATA
OBTAINED FROM THE IN-REACTOR INSTRUMENTATION
HPR-129 (1971) 75P. (NSA 26-8563)
KEYWORDS 2 3 6 7 11
CATIONS U ANIONS O
- 27 AITKEN E.A. 1967-A
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HIGH TEMPERATURES
GEAP-5358 (1967) 9P. (NSA 22-11044)
KEYWORDS 2 7 13 26
CATIONS M ANIONS O
- 28 AITKEN E.A. 1968-A
EVANS S.K.
A THERMODYNAMIC DATA PROGRAM INVOLVING PLUTONIA AND URANIA AT
HIGH TEMPERATURES
GEAP-5634 (1968) 7P. (NSA 22-43648)
KEYWORDS 2 7 11 26
CATIONS U P ANIONS O
- 29 AITKEN E.A. 1968-B
EVANS S.K.
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HIGH TEMPERATURES
GEAP-5672 (1968) 10P. (NSA 23-12611)
KEYWORDS 2 7 11 15 16 26
CATIONS M ANIONS O

- AITKEN E.A. - SEE NR 111 712 713 830 832 1810
- AKIMOTO Y. - SEE NR 2027
- ALBRECHT W.M. - SEE NR 1540
- 30 ALCOCK C.B. 1965-A
STEELE B.C.H.
SOLID OXIDE ELECTROLYTES
SCIENCE OF CERAMICS (1965) VOL.2 P.397-406 (CONF-630506-B)
(NSA 20-14970)
KEYWORDS 2 6 20
CATIONS T ANIONS O ADDITIVES Y CA
- ALCOCK C.B. - SEE NR 2001
- 31 ALECU I.D. 1970-A
BELEUTA I. CIOCANESCU M. COJOCARU L.N.
DRAGOMIR I. GLANZ G. GORAN M.
LUNGU S. MAXIM I. POPESCU F.
RADULESCU O. RIBCO L. RUTTER I.
NEW RESULTS IN VITROCERAMIC NUCLEAR FUEL RESEARCH
(FA-MN-11 (1970) 23P. (NSA 24-42284)
KEYWORDS 3 6 16 20 27
CATIONS U ANIONS O ADDITIVES SI
- 32 ALECU I.D. 1970-B
COJOCARU L.N.
DEFECTS RESPONSIBLE FOR ELECTRICAL PROPERTY CHANGES IN
IRRADIATED OXIDES
RADIAT. EFF. 5 (1970) P.251-4 (NSA 25-1291)
KEYWORDS 4 11 16 20
CATIONS U ANIONS O ADDITIVES SI
- 33 ALI M. 1967-A
NAGELS P.
EVALUATION OF THE DEBEYE TEMPERATURE OF THORIUM DIOXIDE
PHYS. STATUS SOLIDI 21 (1967) P.113-16 (NSA 21-2935B)
KEYWORDS 1 2 5 21
CATIONS T ANIONS O
- ALLEN A.W. - SEE NR 1639
- 34 ALLIO R.J. 1964-A
HAZELTON W.S. CHRISTENSEN J.A. SMALLEY W.R.
MELTING POINT OF IRRADIATED UO2
WCAP-6064 (1964) P.330-8 (NSA 19-3655)
KEYWORDS 3 7 11 26
CATIONS U ANIONS O
- ALLIO R.J. - SEE NR 250 451 452 454 455 1600
- ALLISON G.M. - SEE NR 1625 1783 1784 1798
- 35 AMANUMA T. 1963-A
SAKAMOTO K.
ON THE PROPERTIES OF POWDERED AND MASSIVE UO2 AND U4O9 (IN
JAPANESE)
FUNTAI OYOBI FUNMATSUYAKIN 10 (1963) P.198-203 (NSA 18-18369)
KEYWORDS 2 6 22
CATIONS U ANIONS O
- 36 AMATO I. 1964-A
COLOMBO R.L. PROTII A.M.
SINTERING ALUMINA-URANIA COMPOSITIONS
AMER. CERAM. BULL. 43 (1964) P.125-7 (NSA 18-10506)
KEYWORDS 2 6 7 11 16 27
CATIONS U ANIONS O ADDITIVES AL
- 37 AMELINCKX S. 1962-A
DENAYER M. DEVREESE J. NAGELS P.
PENNINCKX R. VAN LOOY A.
PHYSICAL PROPERTIES OF UO2 CRYSTALS
EURAFEC-266 (1962) P.3-5 (NSA 16-30377)
KEYWORDS 2 5 6 9 10 20 22 W
CATIONS U ANIONS O
- 38 AMELINCKX S. 1962-B
BLANK H. DENAYER M. DEVREESE J.
NAGELS P. PENNINCKX R. STRUMANE R.
VAN LOOY A.
PHYSICAL PROPERTIES OF UO2 CRYSTALS
EURAFEC-302 (1962) P.5 (NSA 16-30360)
KEYWORDS 2 5 6 10 20 22 W
CATIONS U ANIONS O
- 39 AMELINCKX S. 1962-C
PHYSICAL PROPERTIES OF UO2 SINGLE CRYSTALS
EURAFEC-381 (1962) P.3 (NSA 17-8802)
KEYWORDS 2 5 6 9 10 20 22 W
CATIONS U ANIONS O
- 40 AMELINCKX S. 1963-A
BLANK H. DE CONINCK R. DENAYER M.
DEVREESE J. KNAEPEN F. NAGELS P.
PENNINCKX R. STRUMANE R. VAN LIERDE W.
PHYSICAL PROPERTIES OF UO2 SINGLE CRYSTALS
EURAFEC-463 (1963) P.1-2 (NSA 17-8804)
KEYWORDS 2 5 6 9 10 20 22 W
CATIONS U ANIONS O
- 41 AMELINCKX S. 1963-B
BLANK H. DE CONINCK R. DENAYER M.
DEVREESE J. KNAEPEN F. NAGELS P.
PENNINCKX R. STRUMANE R. VAN LIERDE W.
PHYSICAL PROPERTIES OF UO2 SINGLE CRYSTALS
EURAFEC-524 (1963) P.5-7 (NSA 17-16642)
KEYWORDS 2 5 6 9 10 20 22 W
CATIONS U ANIONS O
- 42 AMELINCKX S. 1963-C
BLANK H. DE CONINCK R. DENAYER M.
DEVREESE J. KNAEPEN F. NAGELS P.
PENNINCKX R. STRUMANE R. VAN LIERDE W.
PHYSICAL PROPERTIES OF UO2 SINGLE CRYSTALS
EURAFEC-746 (1963) P.7 (NSA 18-8719)
KEYWORDS 2 5 6 9 10 20 22 W
CATIONS U ANIONS O
- 43 AMELINCKX S. 1963-D
PHYSICAL PROPERTIES OF UO2 SINGLE CRYSTALS (FINAL REPORT NO.1)
EURAFEC-693 (1963) P.44-7 (NSA 17-39532)
KEYWORDS 2 5 10 20 22 W
CATIONS U ANIONS O
- 44 AMELINCKX S. 1963-E
FUNDAMENTAL PROPERTIES OF UO2
TID-7666 (EURAFEC-4936/6ZE) (1963) P.14-21 (NSA 17-27734)
KEYWORDS 2 6 7 11 30 W
CATIONS U ANIONS O
- 45 AMELINCKX S. 1964-A
BLANK H. DE CONINCK R. DENAYER M.
DEVREESE J. KNAEPEN F. NAGELS P.
PENNINCKX R. STRUMANE R. TURNER T.
VAN LIERDE W.
PHYSICAL PROPERTIES OF UO2 SINGLE CRYSTALS
EURAFEC-850 (1964) P.6-7 (NSA 18-14362)
KEYWORDS 2 5 6 9 10 20 22 W
CATIONS U ANIONS O
- 46 AMELINCKX S. 1964-B
BLANK H. BRESSERS J. DE BATIST R.
DE CONINCK R. DE JONGHE L. DENAYER M.
DEVREESE J. NAGELS P. PENNINCKX R.
STRUMANE R. VAN LIERDE W.
PHYSICAL PROPERTIES OF UO2 SINGLE CRYSTALS (FINAL REPORT NO.2)
EURAFEC-1190 (1964) P.26-9 (NSA 19-4586)
KEYWORDS 2 5 10 20 22 W
CATIONS U ANIONS O
- 47 AMELINCKX S. 1965-A
BLANK H. BRESSERS J. DE BATIST R.
DE CONINCK R. DE JONGHE L. DENAYER M.
DEVREESE J. NAGELS P. PENNINCKX R.
STRUMANE R. VAN LIERDE W. DELCON M.
GIJS A. TJOONK J. VAN GOOL L.
VAN ROY M. VRANKEN A. WILMS G.
PHYSICAL PROPERTIES OF UO2 SINGLE CRYSTALS (SECOND YEAR OF
STUDY)
EUR-2042.E (1965) P.20-3 (NSA 19-4586)
KEYWORDS 2 5 9 10 20 22 W
CATIONS U ANIONS O
- 48 AMELINCKX S. 1965-B
BLANK H. DE CONINCK R. DENAYER M.
DEVREESE J. KNAEPEN F. NAGELS P.
PENNINCKX R. STRUMANE R. VAN LIERDE W.
PHYSICAL PROPERTIES OF UO2 SINGLE CRYSTALS
EUR-1414.E (1965) 56P. (EURAFEC-814)
KEYWORDS 2 5 9 10 11 20 22 30 W
CATIONS U ANIONS O
- AMELINCKX S. - SEE NR 1587
- AMICE B. - SEE NR 593 594
- 49 AMOS D.E. 1963-A
ZALOUDECK F.R.
TEMPERATURE DISTRIBUTION IN LONG CYLINDRICAL FUEL ELEMENTS
COOLED INTERNALLY BY SEVERAL CHANNELS
HW-77681 (1963) 29P. (NSA 17-35986)
KEYWORDS 1 2 3 6 7 11 29 W
- AMOS W.R. - SEE NR 649
- ANANDAN N.S. - SEE NR 1741 1743
- ANANTHAKRISHNAN S. - SEE NR 1627
- 50 ANASTASIJEVIC P. 1972-A
PAVLOVIC M. RISTIC M.M. SPASOJEVIC D.
STAMENKOVIC I. STEVANOVIC M. ZIVANOVIC B.
KOLAR D. MARSEL J. NAVINSEK B.
RESEARCH ON FUEL ELEMENT TECHNOLOGY IN JUGOSLAVIA
PROC. 4TH INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 4
(1972) GENEVA P.491-504 (A/CONF.49/P-350) (CONF-710901-117)
(NSA 25-52424)
KEYWORDS 2 6 14 W
CATIONS U ANIONS O
- ANDERSEN J.C. - SEE NR 833 2036
- ANDERSON C.A. JR. - SEE NR 370 371 372 373
- ANDERSON H.J. - SEE NR 321 1008 2105
- 51 ANDERSON T.D. 1963-A
CORRELATION OF UO2 FUEL-ELEMENT MELTING DATA
TRANS. AMER. NUCL. SOC. 6 (1963) P.347-8 (NSA 18-3151)
KEYWORDS 2 3 6 7 11 26 W
CATIONS U ANIONS O
- 52 ANDERSON W.K. 1964-A
GUARE C.J. LALAK A.
THERMAL CONDUCTIVITY OF UO2-75M/O ZRO2
KAPL-M-6184 (1964) 17P. (NSA 18-44140)
KEYWORDS 2 3 6 7 16 W
CATIONS U ANIONS O ADDITIVES ZR

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- 53 ANDERSON W.K. 1965-A
MUELLER G.O.
KER-4, THE THERMAL ANALYSIS OF CYLINDRICAL FUEL RODS
KAPL-M-6475 (1965) 23P. (NSA 19-40171)
KEYWORDS 1 3 6 7 11 W
CATIONS U ANIONS O
- 54 ANDERSON W.K. 1965-B
LECHLITER G.L.
SOME INPUT PROPERTIES FOR COMPUTER DESCRIPTION OF FUEL
PROPERTIES. PART 1 - THERMAL PROPERTIES
CONF-661001-36 (1965) 23P. (NSA 21-10213)
KEYWORDS 1 3 6 7 8 29 W
- 55 ANDERSON W.K. 1966-A
MUELLER G.O.
THERMAL CALCULATIONS FOR CYLINDRICAL FUEL RODS BASED ON THE
ROBERTSON CONCEPT
TRANS. AMER. NUCL. SOC. 9 (1966) P.374-5 (NSA 21-8162)
KEYWORDS 1 3 6 7 29 W
CATIONS U ANIONS O
- 56 ANDERSON W.K. 1966-B
LECHLITER G.L.
SOME INPUT FUNCTIONS FOR COMPUTER DESCRIPTION OF FUEL
PROPERTIES. PART 1 - THERMAL PROPERTIES
TRANS. AMER. NUCL. SOC. 9 (1966) P.375-6 (NSA 21-8163)
KEYWORDS 1 3 6 7 29 W
CATIONS U ANIONS O
- 57 ANDERSON W.K. 1966-C
HANSEN E. KOENIG E.F. LECHLITER G.L.
THE EFFECT OF FISSION DISTRIBUTION ON CALCULATED TEMPERATURE
DISTRIBUTIONS OF FUEL RODS
TRANS. AMER. NUCL. SOC. 9 (1966) P.376-8 (NSA 21-8129)
KEYWORDS 1 3 6 7 29 W
CATIONS U ANIONS O
- 58 ANDERSON W.K. 1966-D
MUELLER G.O.
THERMAL CALCULATIONS FOR CYLINDRICAL FUEL RODS BASED ON THE
ROBERTSON CONCEPT
CONF-661001-7 (1966) 23P. (NSA 20-47005)
KEYWORDS 1 3 6 7 29 W
- 59 ANDERSON W.K. 1967-A
LECHLITER G.L.
LWR/LSBR DEVELOPMENT PROGRAM - SOME INPUT PROPERTIES FOR
COMPUTER DESCRIPTION OF FUEL PROPERTIES
KAPL-3300 (1967) 18P. (NSA 22-35665)
KEYWORDS 8 27 29 W
- ANDERSON W.K. - SEE NR 1321 1322 1563 1564
- ANDREWS M.G. - SEE NR 419
- 60 ANDRIESEN H. 1961-A
LEBLANC J.M.
THE USE OF PLUTONIUM AS FUEL IN NUCLEAR REACTORS (IN FRENCH)
BN-6110-01 (1961) P.19-20 (NSA 18-2158)
KEYWORDS 2 6 7 9 11 27
CATIONS U P M ANIONS O
- 61 ANDRIESEN H. 1961-B
LEBLANC J.M.
THE USE OF PLUTONIUM AS FUEL IN NUCLEAR REACTORS
EURAC-176 (1961) P.16-7 (NSA 18-2158)
KEYWORDS 2 6 7 9 11 27
CATIONS U P M ANIONS O
- 62 ANDRIESEN H. 1962-A
LEBLANC J.M.
USE OF PLUTONIUM AS FUEL IN NUCLEAR REACTORS (IN FRENCH)
BN-6201-01 (1962) P.18-9 (NSA 16-32084)
KEYWORDS 2 6 7 9 11 21 27
CATIONS U P ANIONS O
- 63 ANDRIESEN H. 1962-B
LEBLANC J.M.
USE OF PLUTONIUM AS FUEL IN NUCLEAR REACTORS
EURAC-227 (1962) P.19-20 (NSA 16-32084)
KEYWORDS 2 6 7 9 11 21 27
CATIONS U P ANIONS O
- 64 ANDRIESEN H. 1963-A
LEBLANC J.M.
THERMAL BEHAVIOR OF URANIUM OXIDE FUEL UNITS DENSIFIED BY
VARIOUS TECHNIQUES (IN FRENCH)
BN-6306-02 (1963) 46P. (NSA 18-8808)
KEYWORDS 3 6 7 11 12 14 16 W
CATIONS U ANIONS O ADDITIVES FS
- 65 ANDRIESEN H. 1963-B
LEBLANC J.M.
THERMAL BEHAVIOR OF URANIUM OXIDE FUEL ELEMENTS DENSIFIED BY
VARIOUS TECHNIQUES (IN FRENCH)
NEW NUCLEAR MATERIALS INCLUDING NON-METALLIC FUELS (PRAGUE).
IAEA (STI/PUB/77) VOL.2 (1963) P.303-37 (NSA 18-12966) (NSA
18-8808)
KEYWORDS 3 6 7 11 12 14 16 23 26 W
CATIONS U ANIONS O ADDITIVES FS
- 66 ANDRIESEN H. 1963-C
LEBLANC J.M.
THERMAL BEHAVIOR OF URANIUM OXIDE FUEL UNITS DENSIFIED BY
VARIOUS TECHNIQUES
EURAC-807 (1963) 46P. (NSA 18-8808)
KEYWORDS 3 6 7 11 12 14 16 W
CATIONS U ANIONS O ADDITIVES FS
- 67 ANDRIESEN H. 1967-A
HEAT TRANSFER INSIDE NUCLEAR FUEL CONSISTING OF COMPACTED UO2
AND UO2-PUO2 POWDERS (IN FRENCH)
BN-6712-12 (EUR-3791-F) (1967) 39P. (NSA 22-27485)
KEYWORDS 1 2 6 7 12 W
CATIONS U M ANIONS O
- 68 ANDRIESEN H. 1967-B
HEAT TRANSFER INSIDE NUCLEAR FUEL CONSISTING OF COMPACTED UO2
AND UO2-PUO2 POWDERS
EURAC-1998 (1967) 39P. (NSA 22-27485)
KEYWORDS 1 2 6 7 12 W
CATIONS U M ANIONS O
- ANDRIESEN H. - SEE NR 1312 1313 1314 1315 1916 1317 1318
" - SEE NR 1349
- 69 ANICETTI R.J. 1970-A
CERAMIC FUELS FOR HEAVY WATER REACTORS
BNWL-1435 (1970) P.24-6 (NSA 24-43751)
KEYWORDS 2 6 7 8 15 W
CATIONS U ANIONS O
- ANSELIN F.L. - SEE NR 86 87
- 70 ANTHONY A.J. 1962-A
BURDG C.E. SANDERSON R.J.
OUT-OF-PILE THERMAL TESTING OF UO2 FUEL ELEMENTS
TRANS. AMER. NUCL. SOC. 5 (1962) P.236-7 (NSA 16-24620)
KEYWORDS 2 3 6 7 8 11 W
CATIONS U ANIONS O
- ANTHONY A.J. - SEE NR 423
- ANTHONY A.M. - SEE NR 717
- 71 AOKI S. 1967-A
KOBAYASHI Y. SATO K.
ON EFFECTIVE THERMAL CONDUCTIVITY AND STRUCTURAL CHANGE OF UO2
POWDER COMPACTED FUEL IN THERMAL SIMULATION EXPERIMENT
J. NUCL. SCI. TECHNOL. (TOKYO) 4 (1967) P.408-14 (NSA 21-
43672)
KEYWORDS 2 3 6 7 9 12 W
CATIONS U ANIONS O
- APPLEBY W.K. - SEE NR 252 536
- 72 ARAGONES M. 1966-A
GUERRERO H.
THE EFFECT OF DENSITY AND GRAIN SIZE ON THE THERMAL
CONDUCTIVITY OF UO2 DURING IRRADIATION
AECL-2564 (1966) 45P. (NSA 20-39446)
KEYWORDS 3 6 7 11 14 23 W
CATIONS U ANIONS O
- ARAGONES M. - SEE NR 127
- 73 ARAVE A.E. 1970-A
MESERVEY R.H.
A HIGH TEMPERATURE ULTRASONIC THERMOMETER FOR MEASURING
REACTOR FUEL TEMPERATURE
IN-1413 (1970) 23P. (NSA 24-46537)
KEYWORDS 3 6 7 9 18 W
- 74 ARAVE A.E. 1972-A
CHRISTENSEN J.A. PANISKO F.E.
A HIGH-TEMPERATURE ULTRASONIC THERMOMETER FOR IN-REACTOR FUEL
ROD CENTERLINE TEMPERATURE MEASUREMENTS
TRANS. AMER. NUCL. SOC. 15 (1972) P.766 (CONF-721109) (NSA 27-
5403)
KEYWORDS 3 6 7 9 11 W
CATIONS M ANIONS O
- 75 ARAVE A.E. 1972-B
PANISKO F.E. CHRISTENSEN J.A.
HIGH-TEMPERATURE ULTRASONIC THERMOMETER IN-REACTOR FUEL ROD
CENTERLINE TEMPERATURE TEST RESULTS
ANCR-1091 (1972) 18P.
KEYWORDS 1 3 6 7 9 W
CATIONS M ANIONS O
- ARAVE A.E. - SEE NR 1676
- 76 ARGONNE NAT. LAB. 1968-A
HIGH TEMPERATURE PHYSICAL PROPERTIES
ANL-7450 (1968) P.82-4 (NSA 22-37402) (NSA 22-35879)
KEYWORDS 2 7 9 21
CATIONS U ANIONS O
- 77 ARING K. 1967-A
SIEVERS A.J.
THERMAL CONDUCTIVITY AND FAR-INFRARED ABSORPTION OF UO2
J. APPL. PHYS. 38 (1967) P.1496-8 (NSA 21-20573)
KEYWORDS 2 5 10 22 W
CATIONS U ANIONS O
- 78 ARLT W.H. 1966-A
BARTH N.H. LEES E.A. LYONS M.F.
WEISS D.T.
POWER REACTOR HIGH PERFORMANCE UO2 PROGRAM
GEAP-5402 (EURAC-1820) (1966) P.3-8 (NSA 21-22903)
KEYWORDS 1 3 6 7 11 W
CATIONS U ANIONS O
- 79 ARONSON S. 1961-A
RULLI J.E. SCHANER B.E.
ELECTRICAL PROPERTIES OF NONSTOICHIOMETRIC URANIUM DIOXIDE
J. CHEM. PHYS. 35 (1961) P.1382-8 (NSA 16-1765)
KEYWORDS 2 6 7 11 20
CATIONS U ANIONS O

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80 ARONSON S. 1961-B
 BELLE J.
 THE NATURE OF NON-STOICHIOMETRY IN URANIA-BASE SOLID SOLUTIONS
 WAPD-T-1294 (1961) 24P. (NSA 16-5397)
 KEYWORDS 2 6 15 20
 CATIONS U ANIONS O

81 ARONSON S. 1967-A
 CISNEY E. GINGERICH K.A.
 THERMAL EXPANSION OF SOME CUBIC REFRACTORY COMPOUNDS OF THORIUM
 J. AMER. CERAM. SOC. 50 (1967) P.248-52 (BNL-10580) (NSA 21-28770)
 KEYWORDS 2 6 7 11 20 26 27
 CATIONS T ANIONS O

82 ARTHUR G. 1961-A
 CERAMICS - THERMAL CONDUCTIVITY
 NUCLEAR ENGINEERING 6 (1961) P.138-42 (NSA 15-16114)
 KEYWORDS 2 3 6 7 11 15 26 30 W
 CATIONS U P ANIONS O

83 ARTHUR G. 1961-B
 CERAMICS - PROPERTIES
 NUCLEAR ENGINEERING 6 (1961) P.253-7 (NSA 15-21179)
 KEYWORDS 2 6 7 11 27 30 W
 CATIONS U P ANIONS O

84 ASAMOTO R.R. 1965-A
 PERRY K.J. ZEBROSKI E.L.
 EFFECTIVE AXIAL AND RADIAL THERMAL EXPANSION OF UO2 WITH A RADIAL THERMAL GRADIENT
 TRANS. AMER. NUCL. SOC. 8 (1965) P.383 (NSA 20-2234)
 KEYWORDS 2 6 7 11 27
 CATIONS U ANIONS O

85 ASAMOTO R.R. 1966-A
 PERRY K.J. ZEBROSKI E.L.
 THE EFFECTIVE AXIAL AND DIAMETRAL THERMAL EXPANSION OF UO2 UNDER A RADIAL TEMPERATURE GRADIENT
 GEAP-5284 (1966) 49P. (NSA 21-14883)
 KEYWORDS 2 6 7 11 27
 CATIONS U ANIONS O

86 ASAMOTO R.R. 1968-A
 ANSELIN F.L. CONTI A.E.
 THE EFFECT OF DENSITY ON THE THERMAL CONDUCTIVITY OF URANIUM DIOXIDE
 GEAP-5493 (1968) 52P. (NSA 22-41097)
 KEYWORDS 2 7 11 14 W
 CATIONS U ANIONS O

87 ASAMOTO R.R. 1969-A
 ANSELIN F.L. CONTI A.E.
 THE EFFECT OF DENSITY ON THE THERMAL CONDUCTIVITY OF URANIUM DIOXIDE
 J. NUCL. MATER. 29 (1969) P.67-81 (NSA 23-12313)
 KEYWORDS 2 7 11 14 W
 CATIONS U ANIONS O

88 ASAMOTO R.R. 1970-A
 ROHABOY P.E. SANDUSKY D.W. CONTI A.E.
 CENTER TEMPERATURE MEASUREMENTS OF MIXED OXIDE FUEL FROM ZERO TO 34000 MWD/TE
 GEAP-13603 (1970) 58P. (NSA 25-26075)
 KEYWORDS 3 6 7 8 11 W
 CATIONS M ANIONS O

ASAMOTO R.R. - SEE NR 111 1636

ASHLEY R.W. - SEE NR 403

89 ASKEY D.F. 1967-A
 PARDUE W.M.
 FUEL AND FERTILE MATERIALS - PLUTONIUM COMPOUNDS
 REACTOR MATERIALS 10 (1967) P.140-1 (NSA 22-734)
 KEYWORDS 2 6 7 11 30 W
 CATIONS P M ANIONS O

90 ASKEY D.F. 1968-A
 FUEL AND FERTILE MATERIALS - PLUTONIUM COMPOUNDS
 REACTOR MATERIALS 10 (1967-8) P.206 (NSA 22-12955) (NSA 22-12954)
 KEYWORDS 2 6 7 12 15 30 W
 CATIONS M ANIONS O

91 ASKEY D.F. 1968-B
 FUEL AND FERTILE MATERIALS - PLUTONIUM COMPOUNDS
 REACTOR MATERIALS 11 (1968) P.84-5 (NSA 22-30386) (NSA 22-30385)
 KEYWORDS 2 6 11 21 30 W
 CATIONS P M ANIONS O

92 ASKEY D.F. 1968-C
 PROPERTIES OF FUEL AND FERTILE MATERIALS - PLUTONIUM COMPOUNDS
 REACTOR MATERIALS 11 (1968) P.149-50 (NSA 22-48790) (NSA 22-48791)
 KEYWORDS 2 3 6 7 11 15 30 W
 CATIONS M ANIONS O

ASKEY D.F. - SEE NR 1270

93 ASTLEY E.R. 1957-A
 SCHWARTZ A.G.
 TEMPERATURE DISTRIBUTION IN A FUEL ELEMENT AS A FUNCTION OF EXPOSURE
 HW-52343 (1957) 5P. (NSA 12-554)
 KEYWORDS 1 3 6 17 29 W
 CATIONS U ANIONS O

94 ATHERTON R. 1962-A
 THERMAL CONDUCTIVITY OF BLANKET UO2
 WAPD-MRP-98 (1962) P.49-51 (NSA 16-30098)
 KEYWORDS 2 3 6 7 11 30 W
 CATIONS U ANIONS O

95 ATWOOD J.M. 1959-A
 SNYDER W.A.
 RADIATION EFFECTS IN UO2
 HW-62000 (1959) P.62 (NSA 14-20044)
 KEYWORDS 3 6 11 17 W
 CATIONS U ANIONS O

96 ATWOOD J.M. 1960-A
 SNYDER W.A.
 PLUTONIUM RECYCLE PROGRAM ANNUAL REPORT FISCAL YEAR 1960
 HW-67000 (1960) P.33-6 (NSA 15-20324)
 KEYWORDS 2 6 11 27
 CATIONS P ANIONS O

97 ATWOOD J.M. 1960-B
 SNYDER W.A.
 PLUTONIUM RECYCLE PROGRAM ANNUAL REPORT FISCAL YEAR 1960
 HW-67000 (1960) P.48-50 (NSA 15-20324)
 KEYWORDS 3 6 7 11 23 W
 CATIONS U ANIONS O

98 AVRAM M. 1971-A
 DEVICE FOR MEASURING THE THERMAL CONDUCTIVITY OF URANIUM DIOXIDE SINTERED PELLETS UNDER IRRADIATION IN REACTOR (IN RUMANIAN)
 STUD. CERCE. FIZ. 23 (1971) P.227-34 (NSA 25-55088)
 KEYWORDS 3 9 W
 CATIONS U ANIONS O

99 AVRAM M. 1971-B
 THERMAL CONDUCTIVITY OF SINTERED URANIUM DIOXIDE DURING IRRADIATION IN REACTOR (IN RUMANIAN)
 STUD. CERCE. FIZ. 23 (1971) P.509-15 (NSA 25-52478)
 KEYWORDS 3 6 7 11 30 W
 CATIONS U ANIONS O

100 AXE J.D. 1966-A
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101 AXE J.D. 1966-B
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102 BAILLY H. 1963-A
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 CATIONS U M ANIONS O

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 LYON W.L.
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 CATIONS M ANIONS O

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109 BAILY W.E. 1965-E
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KEYWORDS 3 7 11 15 23 W
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110 BAILY W.E. 1966-A
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CATIONS M ANIONS O

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AECL-1192 (CRFD-955) (1961) 58P. (NSA 15-17365)
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120 BAIN A.S. 1961-B
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UO2/SHEATH HEAT TRANSFER IN LARGE-DIAMETRICAL-CLEARANCE ELEMENTS IRRADIATED FOR SHORT DURATION
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130 BAIN A.S. 1966-B
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POST-IRRADIATION STRUCTURES IN UO2 QUENCHED OR SLOWLY COOLED FROM THE MELT
AECL-2587 (1966) 65P. (NSA 21-5013)
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133 BAIN A.S. 1967-A
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CATIONS U ANIONS O

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MIZZAN E.
MULTI-CYCLE IRRADIATION OF HOLLOW UO2 PELLETS IN COLLAPSIBLE ZIRCALOY-2 SHEATING
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135 BAIriot H. 1962-A
LEBLANC J.M.
USE OF PLUTONIUM AS FUEL IN THERMAL REACTORS (IN FRENCH)
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CATIONS U ANIONS O

136 BAIriot H. 1962-B
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KEYWORDS 2 6 7 11 W
CATIONS U ANIONS O

137 BAIriot H. 1964-A
MOSTIN N.
USE OF PLUTONIUM AS FUEL IN NUCLEAR REACTORS (IN FRENCH)
BN-6411-02 (1964) P.19-22 (EUR-2661) (NSA 20-13176)
KEYWORDS 2 6 7 8 11 15 W
CATIONS U M ANIONS O

138 BAIriot H. 1964-B
USE OF PLUTONIUM AS FUEL IN NUCLEAR REACTORS
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KEYWORDS 2 6 7 8 11 15 W
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** 11 **

** 12 **

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USE OF PLUTONIUM AS FUEL IN NUCLEAR REACTORS (IN FRENCH)
BN-6503-01 (EUR-2662) (1965) P.17-9 (NSA 20-13177)
KEYWORDS 2 6 8 11 15 W
CATIONS U P M ANIONS O
- 140 BAIriot H., 1965-B
MOSTIN N.
USE OF PLUTONIUM AS FUEL IN THERMAL REACTORS
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KEYWORDS 2 6 8 11 15 W
CATIONS U P M ANIONS O
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- BAKER E.H., - SEE NR 1104
- BAKER R.B., - SEE NR 1327 1328 1329
- BAKER T.W., - SEE NR 141 142
- 141 BALDOCK P.J., 1965-A
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AERE-R 5007 (1965) 15P. (NSA 20-13300)
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CATIONS U ANIONS O
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CATIONS U ANIONS O
- 143 BALFOUR M.G., 1965-A
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COMPARATIVE IRRADIATION PERFORMANCE OF PELLET AND VIBRATORY
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KEYWORDS 3 6 7 11 12 14 W
CATIONS U ANIONS O
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KEYWORDS 3 6 7 11 15 23 25 W
CATIONS U ANIONS O
- 145 BALFOUR M.G., 1966-B
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KEYWORDS 1 3 6 7 11 15 23 W
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- 147 BALLARD E.O., 1971-A
METCALF J.L., LEGGETT R.D., HANSON J.E.
LINEAR HEAT RATING FOR MELTING TEST
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KEYWORDS 3 7 8 11 26 W
CATIONS M ANIONS O
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- BANKS T.E., - SEE NR 1488
- 148 BANNISTER M.J., 1967-A
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KEYWORDS 2 7 11 15 26
CATIONS U ANIONS O
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- BARGER J.P., - SEE NR 1803
- BARISICH A., - SEE NR 1431 1439
- BARNES E., - SEE NR 403
- BARNES R.D., - SEE NR 792
- 149 BARNES R.H., 1961-A
PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
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KEYWORDS 2 4 6 15 26 30 W
CATIONS U ANIONS O
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PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
REACTOR CORE MATERIALS 4 NO.3 (1961) P.9-12
KEYWORDS 2 6 7 11 30 W
CATIONS U ANIONS O
- 151 BARNES R.H., 1961-C
PROPERTIES AND BEHAVIOR OF URANIUM OXIDES
REACTOR CORE MATERIALS 4 NO.4 (1961) P.9-10
KEYWORDS 2 6 7 20 30 W
CATIONS U ANIONS O
- 152 BARNES R.H., 1962-A
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REACTOR MATERIALS 5 NO.1 (1962) P.15-6 (NSA 16-13637)
KEYWORDS 2 3 6 7 11 16 30 W
CATIONS U ANIONS O ADDITIVES ZR Y ME
- 153 BARNES R.H., 1962-B
PROPERTIES AND BEHAVIOR OF URANIUM OXIDES
REACTOR MATERIALS 5 NO.2 (1962) P.17-20 (NSA 16-25709)
KEYWORDS 2 3 6 7 11 17 26 30 W
CATIONS U ANIONS O
- 154 BARNES R.H., 1963-A
PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
REACTOR MATERIALS 6 NO.1 (1963) P.41-3 (NSA 17-17442)
KEYWORDS 2 6 12 27 30 W
CATIONS U ANIONS O
- 155 BARNES R.H., 1963-B
PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
REACTOR MATERIALS 6 NO.2 (1963) P.39-41 (NSA 17-38513)
KEYWORDS 2 6 11 16 26 30 W
CATIONS U ANIONS O ADDITIVES BE
- 156 BARNES R.H., 1963-C
PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
REACTOR MATERIALS 6 NO.3 (1963) P.24-5 (NSA 17-40313)
KEYWORDS 2 6 7 10 11 30 W
CATIONS U ANIONS O
- 157 BARNES R.H., 1964-A
PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
REACTOR MATERIALS 6 NO.4 (1963-64) P.29 (NSA 18-14393) (NSA
18-14392)
KEYWORDS 3 6 7 11 15 20 22 30 W
CATIONS U ANIONS O
- 158 BARNES R.H., 1964-B
URANIUM OXIDE FUEL MATERIALS - PROPERTIES AND BEHAVIOR
REACTOR MATERIALS 7 (1964) P.95-7 (NSA 18-32072) (NSA 18-
32073)
KEYWORDS 2 6 7 11 21 27 30 W
CATIONS U ANIONS O
- 159 BARNES R.H., 1964-C
PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
REACTOR MATERIALS 7 (1964) P.29 (NSA 18-18304) (NSA 18-18303)
KEYWORDS 2 6 11 20 22 30 W
CATIONS U ANIONS O
- 160 BARNES R.H., 1965-A
PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
REACTOR MATERIALS 7 (1964-5) P.223 (NSA 19-11679) (NSA 19-
11678)
KEYWORDS 3 6 11 30 W
CATIONS U ANIONS O
- 161 BARNES R.H., 1965-B
PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
REACTOR MATERIALS 8 (1965) P.9 (NSA 20-5843) (NSA 20-5842)
KEYWORDS 2 6 7 10 27 30 W
CATIONS U ANIONS O
- 162 BARNES R.H., 1965-C
PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
REACTOR MATERIALS 8 (1965) P.67 (NSA 19-40958)
KEYWORDS 2 6 7 11 23 26 30 W
CATIONS U ANIONS O
- 163 BARNES R.H., 1965-D
PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
REACTOR MATERIALS 8 (1965) P.127 (NSA 20-5848)
KEYWORDS 2 6 7 11 30 W
CATIONS U ANIONS O
- 164 BARNES R.H., 1966-A
PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
REACTOR MATERIALS 9 (1966) P.158 (NSA 21-15796) (NSA 21-15795)
KEYWORDS 2 6 7 11 24 26 30 W
CATIONS U ANIONS O
- 165 BARNES R.H., 1966-B
PROPERTIES AND BEHAVIOR OF URANIUM OXIDE FUELS
REACTOR MATER. 8 (1966) P.187-9 (NSA 20-11224)
KEYWORDS 2 6 14 22 30 W
CATIONS U ANIONS O
- 166 BARNES R.H., 1967-A
PROPERTIES AND BEHAVIOR OF URANIUM AND THORIUM OXIDES
REACTOR MATERIALS 10 (1967) P.11-2 (NSA 21-30216) (NSA 21-
30215)
KEYWORDS 2 6 11 21 26 30 W
CATIONS U V ANIONS O
- 167 BARNES R.H., 1967-B
PROPERTIES AND BEHAVIOR OF URANIUM AND THORIUM OXIDES
REACTOR MATERIALS 10 (1967) P.75-6 (NSA 21-40707) (NSA 21-
40706)
KEYWORDS 2 6 7 11 21 30
CATIONS U T ANIONS O
- 168 BARNES R.H., 1967-C
PROPERTIES AND BEHAVIOR OF URANIUM AND THORIUM OXIDE FUELS
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KEYWORDS 2 3 6 7 11 16 17 30 W
CATIONS U T V ANIONS O ADDITIVES ZR CA

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 KEYWORDS 2 6 7 11 12 14 21 30 W
 CATIONS U T ANIONS O

170 BARNES R.S. 1965-A
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 THEORIES OF SWELLING AND GAS RETENTION IN REACTOR MATERIALS
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 KEYWORDS 1 3 6 7 11 24

171 BARRETT R.G. 1971-A
 QUIK F.
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172 BATES J.L. 1960-A
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 HW-SA-2219 (1960) 18P. (NSA 15-24053)
 KEYWORDS 1 3 6 7 11 23
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173 BATES J.L. 1961-A
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 KEYWORDS 3 7 11 22 23 W
 CATIONS U ANIONS O

174 BATES J.L. 1962-A
 CHRISTENSEN J.A. ROAKE W.E.
 FISSION PRODUCTS AND PLUTONIUM MIGRATE IN URANIUM-DIOXIDE FUEL
 NUCLEONICS 20 NO.3 (1962) P.88-90 (NSA 16-10573)
 KEYWORDS 3 11 17 25 W
 CATIONS U ANIONS O

175 BATES J.L. 1962-B
 CHRISTENSEN J.A. DANIEL J.L.
 IRRADIATION EFFECTS IN URANIUM DIOXIDE SINGLE CRYSTALS
 HW-SA-2500 (1962) P.8-9 (NSA 16-30904)
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 CATIONS U ANIONS O

176 BATES J.L. 1962-C
 CHRISTENSEN J.A. DANIEL J.L.
 IRRADIATION EFFECTS IN URANIUM DIOXIDE SINGLE CRYSTALS
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 KEYWORDS 4 6 7 10 23 26 27 W
 CATIONS U ANIONS O

177 BATES J.L. 1962-D
 THERMAL CONDUCTIVITY OF UO2 AT HIGH TEMPERATURES
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 KEYWORDS 2 6 7 11 22 W
 CATIONS U ANIONS O

178 BATES J.L. 1963-A
 DE HALAS D.R. MCPARTLAND J.O. MONTGOMERY M.H.
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 EXPERIMENTS ON THE THERMAL CONDUCTIVITY OF UO2 AT HANFORD
 LABORATORIES
 PROC. 3RD CONF. ON THERMAL CONDUCTIVITY (1963) GATLINBURG
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 KEYWORDS 2 6 7 11 W
 CATIONS U ANIONS O

179 BATES J.L. 1963-B
 VISIBLE AND INFRARED ABSORPTION SPECTRA OF URANIUM DIOXIDE
 HW-79033 (1963) 14P. (NSA 18-1605)
 KEYWORDS 2 6 10 11 22
 CATIONS U ANIONS O

180 BATES J.L. 1963-C
 OPTICAL ABSORPTION OF URANIUM DIOXIDE
 HW-76302 (1963) P.2.16-20 (NSA 18-2161)
 KEYWORDS 2 6 10 11 22
 CATIONS U ANIONS O

181 BATES J.L. 1963-D
 DE HALAS D.R. MCPARTLAND J.O. MONTGOMERY M.H.
 CHRISTENSEN J.A.
 EXPERIMENTS ON THE THERMAL CONDUCTIVITY OF UO2 AT HANFORD
 LABORATORIES
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 KEYWORDS 2 6 7 11 W
 CATIONS U ANIONS O

182 BATES J.L. 1963-E
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CATIONS U ANIONS O
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- 266 BLEIBERG M.L. 1960-A
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CATIONS U ANIONS O
- 267 BLEIBERG M.L. 1960-B
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CATIONS U ANIONS O ADDITIVES ZR BE
- 268 BLEIBERG M.L. 1961-A
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- 269 BLEIBERG M.L. 1961-B
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- 270 BLEIBERG M.L. 1962-A
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- 271 BLEIBERG M.L. 1963-A
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- BLOCH J. - SEE NR 1517 1518 1521
- 272 BLOOMFIELD M. 1961-A
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CATIONS U P ANIONS O
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CATIONS U P ANIONS O
- 275 BN 1962-C
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KEYWORDS 2 6 11 21 27
CATIONS U P ANIONS O
- 276 BN 1962-D
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EURAC-237 (1962) P.1-2 (NSA 16-32158)
KEYWORDS 3 6 7 11 W
CATIONS U P ANIONS O
- 277 BN 1962-E
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EURAC-307 (1962) P.14-16 (NSA 17-11108)
KEYWORDS 2 6 11 21 27
CATIONS U P ANIONS O
- 278 BN 1962-F
USE OF PLUTONIUM AS A FUEL IN NUCLEAR REACTORS
EURAC-408 (1962) P.16-9 (NSA 17-14749)
KEYWORDS 2 6 11 21 27
CATIONS U P ANIONS O
- 279 BN 1962-G
THERMAL BEHAVIOR OF CERAMIC MATERIALS
EURAC-410 (1962) P.3-5 (NSA 17-11271)
KEYWORDS 1 3 6 7 12 W
CATIONS U ANIONS O
- 280 BN 1962-H
THERMAL BEHAVIOR OF CERAMIC MATERIALS
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- 282 BN 1963-B
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CATIONS U M ANIONS O
- 283 BN 1963-C
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CATIONS U M ANIONS O
- 284 BN 1963-D
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CATIONS U ANIONS O ADDITIVES FS
- 285 BN 1963-E
USE OF PLUTONIUM AS A FUEL IN NUCLEAR REACTORS
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KEYWORDS 1 3 6 7 12 W
CATIONS M ANIONS O
- 286 BN 1964-A
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KEYWORDS 1 2 6 11 12 W
CATIONS U M ANIONS O
- 287 BN 1964-B
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CATIONS U M ANIONS O
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** 21 **

** 22 **

290 BNWL 1966-B
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CATIONS U ANIONS O

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CATIONS M ANIONS O

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296 ROEHM H. 1971-A
KARSTEN G. KUMMERER K.
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297 ROGAIEVSKI M. 1963-A
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ROBERTSON J.A.L.
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KEYWORDS 3 6 11 W
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298 ROLY R.A. 1972-A
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IN SOLIDS AND THERMOELASTICITY
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KEYWORDS 1 3 8 26 27 W

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MURRAY P. BIANCHERIA A.
FAST REACTOR FUEL PERFORMANCE MODEL DEVELOPMENT
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KEYWORDS 1 3 29 W
CATIONS M ANIONS O

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FAST REACTOR FUEL PERFORMANCE MODEL DEVELOPMENT
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KEYWORDS 1 3 6 7 11 29 W
CATIONS M ANIONS O

301 ROLTAX A. 1971-A
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COMPUTER CODE
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KEYWORDS 1 3 29 W
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302 BONGARTZ K. 1968-A
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KEYWORDS 1 2 6 12 W
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303 BOPP C.D. 1965-A
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KEYWORDS 3 9 W

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304 BOST W.E. 1960-A
IRRADIATION TESTING OF UO2
TID-3559 (1960) 23P. (NSA 15-14808)
KEYWORDS 3 6 7 11 30 W
CATIONS U ANIONS O

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ELSTON J. GEWISS C.
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CATIONS U ANIONS O

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306 BRABERS M.J. 1958-A
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KEYWORDS 2 6 11 20
CATIONS U ANIONS O

307 BRADBURY B.T. 1963-A
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KEYWORDS 3 6 7 11 14 17 23
CATIONS U ANIONS O

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KEYWORDS 4 6 17 20 30 W
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EXPANSION FOR UO2
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CATIONS U ANIONS O

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ELECTRICAL PROPERTIES AND DEFECT STRUCTURE OF ThO2
J. AMER. CERAM. SOC. 53 (1970) P.625-9 (NSA 25-9577)
KEYWORDS 2 6 7 15 20 27
CATIONS T ANIONS O

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311 BRASSFIELD H.C. 1968-A
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RECOMMENDED PROPERTY AND REACTION KINETICS DATA FOR USE IN
EVALUATING A LIGHT-WATER-COOLED REACTOR LOSS-OF-COOLANT
INCIDENT INVOLVING ZIRCALOY-4 OR 304-SS-CLAD UO2
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KEYWORDS 2 4 6 26 27 30 W
CATIONS U ANIONS O

312 BREIZY C.E. 1964-A
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DEVELOPMENT PROGRAM
GEAP-4640 (1964) P.5.1-6/5.11-4 (NSA 19-21666)
KEYWORDS 2 3 6 7 9 11 26 W
CATIONS U M ANIONS O

313 BREIZY C.E. 1964-B
LEITZ F.J.
TASK E - FUEL PERFORMANCE EVALUATION
GEAP-4723 (1964) P5.1-22 (NSA 19-14828)
KEYWORDS 2 3 6 7 11 20 23 24 30 W
CATIONS U M ANIONS O

314 BREIZY C.E. 1965-A
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SODIUM-COOLED REACTORS PROGRAM - FAST CERAMIC REACTOR
DEVELOPMENT PROGRAM
GEAP-4795 (1965) 92P. (NSA 20-28746)
KEYWORDS 3 6 7 9 11 23 30 W
CATIONS M ANIONS O

** 23 **

** 24 **

- 315 BREIZY C.E. 1965-B
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SODIUM COOLED REACTORS PROGRAM - FAST CERAMIC REACTOR DEVELOPMENT PROGRAM
GEAP-4860 (1965) P.5-1-4/5-12-3 (NSA 20-28747)
KEYWORDS 1 2 3 6 7 8 11 23 30 W
CATIONS M ANIONS O
- 316 BREIZY C.E. 1965-C
LEITZ F.J.
TASK E - FUEL PERFORMANCE EVALUATION. HIGH TEMPERATURE CONDUCTIVITY TESTS ON MIXED-OXIDE FUEL
GEAP-4931 (1965) P.5-1/5-3 (NSA 20-28748)
KEYWORDS 3 6 7 11 W
CATIONS M ANIONS O
- 317 BRENDEN B.B. 1959-A
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HW-59574 (1959) 41P. (NSA 14-698)
KEYWORDS 2 6 11 W
CATIONS U ANIONS O
- 318 BRENDEN B.B. 1960-A
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KEYWORDS 3 4 6 7 9 W
CATIONS U ANIONS O
- BRESSERS J. - SEE NR 46 47 861 862
- 319 BRETT N.H. 1960-A
RUSSELL L.E.
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KEYWORDS 2 6 27
CATIONS P ANIONS O
- 320 BRETT N.H. 1961-A
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KEYWORDS 2 6 27
CATIONS P M ANIONS O
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- BREWER R. - SEE NR 484
- BRIDGES W.H. - SEE NR 1042
- 321 BRITE D.W. 1962-A
ANDERSON H.J.
HIGH DENSITY UO2 FOR NUCLEAR FUEL APPLICATIONS
TID-7637 (1962) P.408-33 (NSA 21-6872)
KEYWORDS 2 6 7 10 11 W
CATIONS U ANIONS O
- BRITTAN R.O. - SEE NR 1848 1849
- 322 BRIXY H.G. 1970-A
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JUEL-635-RG (1970) 57P. (NSA 24-29593)
KEYWORDS 1 3 6 9
- 323 BRIXY H.G. 1971-A
TEMPERATURE MEASUREMENT BASED ON THERMAL NOISE
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KEYWORDS 1 3 6 9
- 324 BRIXY H.G. 1972-A
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KEYWORDS 1 3 6 9 W
- BROCK G.T. - SEE NR 1846
- BROCK P. - SEE NR 1779
- BROCKETT R.J. - SEE NR 334 336 339
- 325 BROCKWAY M.C. 1962-A
TRIPLER A.B.
DISPERSIONS OF UNCOATED FUEL IN GRAPHITE
BMI-1598 (1962) P.130-55 (ED.) ENDEBROCK R.W. (NSA 17-5575)
KEYWORDS 2 6 7 12 20 27 30 W
CATIONS U ANIONS O
- BROIDO J. - SEE NR 784 785
- 326 BROOK A.J. 1966-A
THE PROBLEM OF ECCENTRICALLY MOUNTED FUEL PELLETS
NUCL. ENG. DES. 4 (1966) P.429-31 (NSA 21-17546)
KEYWORDS 1 3 29 W
- 327 BROOKS E.J. 1962-A
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ANL-6636 (1962) 40P. (NSA 17-15446)
KEYWORDS 3 6 7 11 W
CATIONS U ANIONS O
- 328 BROOKS E.J. 1965-A
KRAMER W.C.
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ANL-6981 (1965) 45P. (NSA 20-16942)
KEYWORDS 1 3 6 11
CATIONS U ANIONS O
- 329 BROOKS E.J. 1966-A
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ISA (INSTRUM. SOC. AMER.) TRANS. 5 (1966) P.217-52 (NSA 20-45209)
KEYWORDS 3 6 7 18 W
CATIONS U ANIONS O
- BROSSMANN G. - SEE NR 264
- 330 BROWN F.L. 1970-A
NEIMARK L.A. AYER J.E.
PERFORMANCE OF VIBRATORILY COMPACTED MIXED-OXIDE FUEL ELEMENTS IN EBR-II TO 2.7 AT. O/O BURNUP
ANL-7954 (1970) 36P. (NSA 27-13981)
KEYWORDS 1 3 6 7 12 W
CATIONS M ANIONS O
- BROWN F.L. - SEE NR 1599
- BROWN J.E. - SEE NR 1984
- BROWN S.D. - SEE NR 374
- BROWNING M.F. - SEE NR 1681
- 331 BROWNING W.E. JR. 1965-A
MILLER C.E. JR. SHIELDS R.P. ROBERTS B.F.
WILHELM J.G. MONTGOMERY W.H. THOMAS O.W.
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KEYWORDS 2 4 7 16 26
CATIONS U ANIONS O ADDITIVES ME
- BRUN M. - SEE NR 1962 1963
- BUESCHER B.J. - SEE NR 1510 1512
- BUIJS K. - SEE NR 1431 1441
- 332 BURDG C.E. 1963-A
THERMAL PERFORMANCE CHARACTERISTICS OF UO2
CEND-178 (EURAE-690) (1963) P.II-D-1/9 (NSA 17-23897)
KEYWORDS 3 6 7 9 W
CATIONS U ANIONS O
- 333 BURDG C.E. 1963-B
THERMAL PERFORMANCE CHARACTERISTICS OF UO2
CEND-186 (EURAE-904) (1963) P.II-D-1/11 (NSA 18-8715)
KEYWORDS 2 3 6 7 9 11 23 W
CATIONS U ANIONS O
- 334 BURDG C.E. 1964-A
PARRETTE J.R. BROCKETT R.J. CHERNOCK W.P.
DEVELOPMENT AND TESTING OF A TEMPERATURE TRANSIENT METHOD FOR PERFORMING IN-PILE THERMAL CONDUCTANCE TESTING
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KEYWORDS 1 3 9 18 W
CATIONS U ANIONS O
- 335 BURDG C.E. 1964-B
KOZIOL J.J.
THERMAL PERFORMANCE CHARACTERISTICS OF UO2
CEND-2863-217 (EURAE-1191) (1964) P.3-13 (NSA 18-45001)
KEYWORDS 2 6 7 11 23 W
CATIONS U ANIONS O
- 336 BURDG C.E. 1965-A
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CEND-3336-229 (EURAE-1307) (1965) 19P. (NSA 19-21664)
KEYWORDS 1 3 9 18 W
CATIONS U ANIONS O
- 337 BURDG C.E. 1965-B
DEVELOPMENT AND TESTING OF A TEMPERATURE TRANSIENT METHOD FOR PERFORMING IN-PILE THERMAL CONDUCTANCE TESTING
CEND-3336-237 (EURAE-1371) (1965) 20P. (NSA 19-40732)
KEYWORDS 1 3 9 18 W
CATIONS U ANIONS O
- 338 BURDG C.E. 1965-C
KOZIOL J.J.
PROGRESS REPORT
PROC. 5TH CONF. ON THERMAL CONDUCTIVITY (1965) DENVER VOL.2
P.VI-CE 1-6
KEYWORDS 2 6 7 9 11 W
CATIONS U ANIONS O
- 339 BURDG C.E. 1966-A
PARRETTE J.R. BROCKETT R.J. CHERNOCK W.P.
DEVELOPMENT AND TESTING OF A TEMPERATURE TRANSIENT METHOD FOR PERFORMING IN-PILE THERMAL CONDUCTANCE TESTING
CEND-3336-260 (1966) 98P. (NSA 20-22354)
KEYWORDS 1 2 3 6 7 9 18 W
CATIONS U ANIONS O

** 25 **

** 26 **

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340 BURDICK M.D. 1955-A
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THE EFFECT OF CRYSTALLITE SIZE ON THE BULK DENSITY AND STRENGTH PROPERTIES OF URANIUM DIOXIDE SPECIMENS
AECU-3189 (1955) P.14/22 (NSA 12-5306)
KEYWORDS 2 6 13 27
CATIONS U ANIONS O

341 BURDICK M.D. 1956-A
PARKER H.S.
EFFECT OF PARTICLE SIZE ON BULK DENSITY AND STRENGTH PROPERTIES OF URANIUM DIOXIDE SPECIMENS
J. AMER. CERAM. SOC. 39 (1956) P.181-75 (NSA 12-5306)
KEYWORDS 2 6 7 11 27
CATIONS U ANIONS O

BURGESS P.C. - SEE NR 2108

BURIAN R.J. - SEE NR 1502

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DEVELOPMENT OF FUEL PIN MODELS
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P.58-63
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CATIONS M ANIONS O

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CATIONS M ANIONS O

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** 27 **

** 28 **

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VIPAC, UO2-PUO2 PELLETS AND SOL-GEL
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CATIONS M ANIONS O
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KEYWORDS 3 6 9 11 24 W
CATIONS U ANIONS O
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CATIONS U ANIONS O
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KEYWORDS 3 6 11 20
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CONTINUOUS RELEASE OF FISSION GAS DURING IRRADIATION OF UO2
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MEASUREMENTS OF THERMAL DIFFUSIVITY
ORNL-4390 (1969) P.58-64 (NSA 23-25021) (NSA 23-24784)
KEYWORDS 1 3 6 11 21 W
CATIONS U ANIONS O
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PEREZ R.B.
THE EFFECT OF STORED ENERGY IN UO2 AND UN ON MEASUREMENTS OF
THERMAL DIFFUSIVITY DURING IRRADIATION
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KEYWORDS 1 3 6 7 9 11 21 24 W
CATIONS U ANIONS O
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THE EFFECT OF STORED ENERGY IN UO2 ON MEASUREMENTS OF THE
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KEYWORDS 3 9 11 18 W
CATIONS U ANIONS O
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THE EFFECT OF STORED ENERGY ON MEASUREMENTS OF THERMAL
DIFFUSIVITY DURING IRRADIATION
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MEASUREMENTS OF THERMAL DIFFUSIVITY IN UO2 DURING IRRADIATION
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KEYWORDS 3 9 11 18 W
CATIONS U ANIONS O
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KEYWORDS 3 6 9 18 W
CATIONS U ANIONS O
- 393 CARROLL R.M. 1970-D
PEREZ R.B.
MEASUREMENTS OF THERMAL DIFFUSIVITY IN UO2 DURING IRRADIATION
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CATIONS U ANIONS O
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KEYWORDS 3 9 18 W
CATIONS U ANIONS O
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IRRADIATION AT REALISTIC POWER LEVELS
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DURING IRRADIATION
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CATIONS U ANIONS O

** 29 **

** 30 **

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397 CARTER J.C. 1970-A
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MCNEAL N.A. SHA W.T. SANATHANAN C.K.
YOUNGDAHL C.K.
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KEYWORDS 1 3 18 29 W

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KEYWORDS 1 3 6 7 11
CATIONS M ANIONS O

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CATER E.D. - SEE NR 1308

400 CAVALLARO Y. 1960-A
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SCNC-309 (1960) P.14-31 (NSA 14-19329)
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES ME

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GUERMANI P. TESTA G.
IRRADIATION TESTS OF SOL-GEL PRODUCTS
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BAIN A.S. ASHLEY R.W. BARNES E.
RIDAL A.
SWAGED UO2 FUEL ELEMENTS
FD-62 (1961) 29P.
KEYWORDS 1 2 6 7 12 26 W
CATIONS U ANIONS O

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KEYWORDS 2 7 21 26
CATIONS U ANIONS O

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ANL-7854 (1971) P.5.10-5.11 (NSA 25-60005)
KEYWORDS 2 7 9 26 W
CATIONS U M ANIONS O

406 CHASANOV M.G. 1971-B
FREDRICKSON D.R. LEIBOWITZ L. FISCHER D.F.
ENTHALPIES AND HEAT CAPACITIES BY DROP CALORIMETRY.
A.RESISTANCE-HEATED DROP CALORIMETRIC SYSTEM (NA3U04).
B.INDUCTION-HEATED DROP CALORIMETRIC SYSTEM
(U10.8)PU(0.2)O(1.97)
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KEYWORDS 2 7 21
CATIONS M ANIONS O

407 CHASANOV M.G. 1971-C
FISCHER J. LEIBOWITZ L. HALEY J.
THERMAL DIFFUSIVITY OF REACTOR MATERIALS. A.LIQUID UO2
ANL-7820 (1971) P.11-2 (NSA 25-52318)
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CATIONS U M ANIONS O

408 CHASANOV M.G. 1972-A
FREDRICKSON D.R. LEIBOWITZ L. FISCHER D.F.
ENTHALPIES AND HEAT CAPACITIES BY DROP CALORIMETRY.
A.RESISTANCE-HEATED DROP-CALORIMETRIC SYSTEM (NA3U04).
B.INDUCTION-HEATED DROP-CALORIMETRIC SYSTEM
(U10.8)PU(0.2)O(1.97)
ANL-7875 (1972) P.10-6 (NSA 26-36480)
KEYWORDS 2 6 7 9 21
CATIONS M ANIONS O

409 CHASANOV M.G. 1972-B
GABELNICK S.D. REEDY G.T.
MATRIX-ISOLATION SPECTROSCOPY (UO2)
ANL-7875 (1972) P.20-5 (NSA 26-36480)
KEYWORDS 2 6 7 22
CATIONS U ANIONS O

410 CHASANOV M.G. 1972-C
FISCHER J. LEIBOWITZ L. HALEY J.
THERMAL DIFFUSIVITY OF REACTOR MATERIALS (LIQUID UO2)
ANL-7875 (1972) P.35-7 (NSA 26-36480)
KEYWORDS 2 7 9 26 W
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411 CHASANOV M.G. 1972-D
FISCHER J. HALEY J. LAND R.
THERMAL DIFFUSIVITY OF REACTOR MATERIALS (LIQUID UO2)
ANL-7875 (1972) P.27-30 (NSA 26-36577)
KEYWORDS 2 7 9 26 W
CATIONS U M ANIONS O

412 CHASANOV M.G. 1973-A
LEIBOWITZ L. FISCHER D.F.
ENTHALPIES AND HEAT CAPACITIES BY DROP CALORIMETRY.
B.INDUCTION-HEATED DROP-CALORIMETRIC SYSTEM
ANL-7973 (1973) P.4-5 (NSA 27-22833)
KEYWORDS 2 6 7 21
CATIONS M ANIONS O

413 CHASANOV M.G. 1973-B
FISCHER J. LEIBOWITZ L. HALEY J.
LAND R.
THERMAL DIFFUSIVITY OF REACTOR MATERIALS. A.LIQUID UO2
ANL-7975 (1973) P.9-10 (NSA 27-22833)
KEYWORDS 2 7 9 26 W
CATIONS U M ANIONS O

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CHAUDHARY C.B. - SEE NR 2020

414 CHEN J.C. 1961-A
COMPARISON ON HEAT TRANSFER CHARACTERISTICS OF FUEL ELEMENTS
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FUEL RESTRUCTURING OF CYLINDRICAL OXIDE ELEMENTS IN FAST
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418 CHEREAU P. 1973-A
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KEYWORDS 2 6 15 20
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REACTOR APPLICATIONS
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421 CHERNOCK W.P. 1964-B
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REACTOR APPLICATIONS
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KEYWORDS 2 6 7 8 11 W

422 CHERNOCK W.P. 1964-C
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REACTOR APPLICATIONS
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KEYWORDS 2 6 7 11 23 W

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** 32 **

423 CHERNOCK W.P. 1965-A
ANTHONY A.J. BURDG C.E. KOZIOL J.J.
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KEYWORDS 2 6 7 11 23 W

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424 CHERRY J.R. 1967-A
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425 CHIKALLA T.D. 1959-A
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HW-69832 (1961) 26P. (NSA 16-13576)
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428 CHIKALLA T.D. 1962-A
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CATIONS U M ANIONS O

429 CHIKALLA T.D. 1962-B
MCNEILLY C.E. SKAVDAHL R.E.
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HW-74802 (1962) 30P. (NSA 17-1932)
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431 CHIKALLA T.D. 1968-A
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KEYWORDS 4 6 21
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THE DIFFERENTIAL CALORIMETRY OF IRRADIATED UO2 AND U4O9
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KEYWORDS 4 6 21
CATIONS U ANIONS O

436 CHILDS B.G. 1963-A
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CATIONS T ANIONS O

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KEYWORDS 2 6 11
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CARBIDES, AND URANIUM DIOXIDE
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KEYWORDS 2 6 20
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HW-69234 (1962) 32P. (NSA 18-8864)
KEYWORDS 3 7 11 26
CATIONS U ANIONS O

442 CHRISTENSEN J.A. 1962-B
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DIOXIDE
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KEYWORDS 2 6 7 11 26 27
CATIONS U ANIONS O

443 CHRISTENSEN J.A. 1963-A
THERMAL EXPANSION OF UO2
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KEYWORDS 2 6 7 10 27
CATIONS U ANIONS O

444 CHRISTENSEN J.A. 1963-B
THERMAL CONDUCTIVITY OF UO2
HW-76301 (1963) P.2.30-4 (NSA 17-36196) (NSA 17-36195)
KEYWORDS 2 6 7 10 11 W
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445 CHRISTENSEN J.A. 1963-C
UO2 THERMAL CONDUCTIVITY - ELECTRICAL CONDUCTIVITY OF UO2
HW-76302 (1963) P.2.13-5/2.20-1 (NSA 18-2161)
KEYWORDS 2 6 7 10 11 20 W
CATIONS U ANIONS O

446 CHRISTENSEN J.A. 1963-D
UO2 THERMAL CONDUCTIVITY
HW-78388 (1963) P.5.5 (NSA 18-8721) (NSA 18-9562)
KEYWORDS 2 6 7 10 22 W
CATIONS U ANIONS O

447 CHRISTENSEN J.A. 1963-E
THERMAL CONDUCTIVITY OF NEARLY STOICHIOMETRIC UO2 -
TEMPERATURE AND COMPOSITION EFFECTS
WCAP-2531 (1963) 28P.
KEYWORDS 2 11 15 30 W
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448 CHRISTENSEN J.A. 1963-F
THERMAL EXPANSION AND CHANGE IN VOLUME OF URANIUM DIOXIDE ON
MELTING
J. AMER. CERAM. SOC. 46 (1963) P.607-8 (NSA 18-7223)
KEYWORDS 2 7 11 26 27
CATIONS U ANIONS O

449 CHRISTENSEN J.A. 1963-G
THERMAL EXPANSION OF UO2
HW-76300 (1963) P.2.20-1 (NSA 17-23866)
KEYWORDS 2 6 7 27
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450 CHRISTENSEN J.A. 1964-A
HEAT TRANSFER IN NEARLY STOICHIOMETRIC URANIUM DIOXIDE
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KEYWORDS 1 2 6 7 10 15 W
CATIONS U ANIONS O

451 CHRISTENSEN J.A. 1964-B
ALLIO R.J. BIANCHERIA A.
MELTING POINT OF IRRADIATED URANIUM DIOXIDE
TRANS. AMER. NUCL. SOC. 7 (1964) P.390-1 (NSA 19-2867)
KEYWORDS 4 7 11 26
CATIONS U ANIONS O

452 CHRISTENSEN J.A. 1964-C
BUSH A.J. FERRARI H.M. ALLIO R.J.
URANIUM DIOXIDE THERMAL CONDUCTIVITY
TRANS. AMER. NUCL. SOC. 7 (1964) P.391-2 (NSA 19-2833)
KEYWORDS 2 6 7 11 23 W
CATIONS U ANIONS O

453 CHRISTENSEN J.A. 1964-D
TEMPERATURE AND STOICHIOMETRY EFFECTS ON UO2 FUEL HEAT RATIN
TRANS. AMER. NUCL. SOC. 7 (1964) P.392-3 (NSA 19-2835)
KEYWORDS 1 3 6 7 15 W
CATIONS U ANIONS O

454 CHRISTENSEN J.A. 1965-A
ALLIO R.J. BIANCHERIA A.
MELTING POINT OF IRRADIATED URANIUM DIOXIDE
WCAP-6065 (1965) 19P. (NSA 19-16223)
KEYWORDS 4 7 11 26
CATIONS U ANIONS O

** 33 **

** 34 **

455 CHRISTENSEN J.A. 1965-B
ALLIO R.J.
IN-PILE MEASUREMENT OF URANIUM DIOXIDE FUEL-TEMPERATURE DISTRIBUTION
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KEYWORDS 3 6 7 11 W
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456 CHRISTENSEN J.A. 1965-C
IN-PILE VOID MIGRATION IN URANIUM DIOXIDE
TRANS. AMER. NUCL. SOC. 8 (1965) P.44-5 (NSA 19-28902)
KEYWORDS 3 6 7 11 14 25
CATIONS U ANIONS O

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DETERMINATION OF OXIDE FUEL TEMPERATURE PROFILES
BNWL-CC-604 (1966) 11P. (NSA 23-7396)
KEYWORDS 1 2 3 6 7 11 12 30 W
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458 CHRISTENSEN J.A. 1966-B
LEWIS R.R.
STOICHIOMETRY EFFECTS IN OXIDE FUELS
BNWL-CC-761 (1966) P.4.8/4.14-9 (NSA 21-46025)
KEYWORDS 1 3 6 7 12 15 26 W
CATIONS U ANIONS O

459 CHRISTENSEN J.A. 1966-C
HORN G.R. LEWIS R.R.
STOICHIOMETRY GRADIENTS IN OXIDE FUELS
BNWL-269 (1966) P.1.17-8 (NSA 20-43811)
KEYWORDS 2 3 6 7 11 15 W
CATIONS U ANIONS O

460 CHRISTENSEN J.A. 1966-D
DE HALAS D.R. HORN G.R.
STOICHIOMETRY EFFECTS IN MOLTEN CENTER, OXIDE FUELS, OXYGEN REDISTRIBUTION AND THERMAL CONDUCTIVITY EFFECTS
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KEYWORDS 1 3 6 7 15 26 W
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461 CHRISTENSEN J.A. 1966-E
UNIFLUX FUEL IRRADIATIONS
BNWL-CC-821 (1966) P.4.1-4.2 (NSA 21-46964)
KEYWORDS 1 3 6 7 11 14 26 W
CATIONS U ANIONS O

462 CHRISTENSEN J.A. 1966-F
STOICHIOMETRY EFFECTS IN OXIDE FUELS
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KEYWORDS 3 6 7 11 15 26 W
CATIONS U ANIONS O

463 CHRISTENSEN J.A. 1966-G
FERRARI H.M.
IN-PILE REFRACTORY THERMOCOUPLE EXPERIENCE AT WESTINGHOUSE ATOMIC POWER
WASH-1067 (1966) P.30.1-30.14 (NSA 21-346)
KEYWORDS 3 9 W
CATIONS U ANIONS O

464 CHRISTENSEN J.A. 1967-A
CONVECTION HEAT TRANSFER IN MOLTEN CENTER OXIDE FUELS
BNWL-418 (1967) 28P. (NSA 21-34167)
KEYWORDS 3 6 7 11 26 W
CATIONS U ANIONS O

465 CHRISTENSEN J.A. 1967-B
LEWIS R.R.
STOICHIOMETRY EFFECTS IN OXIDE FUELS. - I. OXYGEN REDISTRIBUTION AND POWER RATING REQUIRED FOR MELTING IN PARTIALLY MOLTEN UO₂(2+x). II. OXYGEN REDISTRIBUTION IN UO₂(2+x) FUELS OPERATING WITHOUT CENTER MELTING
BNWL-473 (1967) P.3.11-17 (NSA 22-12962) (NSA 22-13044)
KEYWORDS 3 6 7 11 15 26 W
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466 CHRISTENSEN J.A. 1967-C
STOICHIOMETRY EFFECTS IN OXIDE NUCLEAR FUELS. - I. POWER RATING REQUIRED FOR MELTING AND OXYGEN REDISTRIBUTION IN MOLTEN CENTER UO₂(2+x) FUELS
BNWL-536 (1967) P.70/19 (NSA 22-11088)
KEYWORDS 3 7 11 23 26 W
CATIONS U ANIONS O

467 CHRISTENSEN J.A. 1968-A
STOICHIOMETRY EFFECTS IN UO₂-PUO₂ FUELS
BNWL-658 (1968) P.4.13-6 (NSA 24-14866)
KEYWORDS 1 3 6 7 11 15 26 W
CATIONS M ANIONS O

468 CHRISTENSEN J.A. 1968-B
DE HALAS D.R. HORN G.R.
STOICHIOMETRY EFFECTS IN MOLTEN CENTER, OXIDE FUELS - OXYGEN REDISTRIBUTION AND THERMAL CONDUCTIVITY EFFECTS
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469 CHRISTENSEN J.A. 1968-C
NONSTOICHIOMETRY EFFECTS ON THE MELTING HEAT RATING FOR UO₂-25 W/O PUO₂ FAST FUELS
TRANS. AMER. NUCL. SOC. 11 (1968) P.131 (NSA 22-33171)
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470 CHRISTENSEN J.A. 1968-D
NON-STOICHIOMETRY EFFECTS ON THE MELTING HEAT RATING FOR UO₂-25 W/O PUO₂ FAST FUELS
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471 CHRISTENSEN J.A. 1969-A
RESEARCH AT BATTELLE-NORTHWEST ON TRANSPORT PROCESSES IN OXIDE NUCLEAR FUELS
BNWL-1202 (1969) 30P. (NSA 24-10191)
KEYWORDS 2 3 6 7 11 23 30 W
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472 CHRISTENSEN J.A. 1969-B
TRANSPORT PROCESSES IN OXIDE NUCLEAR FUELS
CERAMIC NUCLEAR FUELS (1969) P.109-25 (EDS.) KRUGER O.L., KAZNOFF A.I., (NSA 24-10203) (NSA 24-10134)
KEYWORDS 2 3 6 7 11 23 30 W
CATIONS M ANIONS O

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LAWRENCE L.A.
IN-REACTOR THERMAL PERFORMANCE OF UO₂-PUO₂ FUEL
BNWL-1279 (1970) P.3.1-7 (NSA 24-23533) (NSA 24-23504)
KEYWORDS 1 3 6 7 11 23 W
CATIONS M ANIONS O

474 CHRISTENSEN J.A. 1970-B
ENERGY TRANSPORT IN OXIDE FUEL MATERIALS
WHAN-SA-80 (1970) 6P. (CONF-701033-1) (NSA 25-18246)
KEYWORDS 2 9 15
CATIONS M ANIONS O

475 CHRISTENSEN J.A. 1971-A
THERMAL PERFORMANCE LIMITS OF FAST REACTOR OXIDE FUELS
TRANS. AMER. NUCL. SOC. 14 SUPPL. NO.1 (1971) P.14-5 (NSA 25-34368) (NSA 25-34361)
KEYWORDS 1 3 30 W
CATIONS M ANIONS O

476 CHRISTENSEN J.A. 1971-B
THERMAL PERFORMANCE LIMITS FOR FAST REACTOR OXIDE FUELS
HEDL-SA-89 (1971) 19P. (CONF-710414-7) (AED-CONF. 1971 057-025) (NSA 25-44121)
KEYWORDS 1 3 6 7 11 26 W
CATIONS M ANIONS O

477 CHRISTENSEN J.A. 1971-C
THERMAL PERFORMANCE LIMITS FOR FAST REACTOR OXIDE FUELS
PROC. OF THE CONF. ON FAST REACTOR FUEL ELEMENT TECHNOLOGY (1971) NEW ORLEANS P.345-59 (ED.) FARMAKES R. (CONF-710414) (NSA 26-60544) (NSA 25-34368)
KEYWORDS 1 3 23 26 30 W
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478 CHRISTENSEN J.A. 1972-A
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TRANS. AMER. NUCL. SOC. 15 (1972) P.214-5 (CONF-720607) (HEDL-SA-333) (NSA 26-43437)
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CATIONS M ANIONS O

479 CHRISTENSEN J.A. 1972-B
HORN G.R. LAWRENCE L.A.
KINETICS OF FUEL TEMPERATURE DISTRIBUTION CHANGE DURING EARLY-IN-LIFE LMFBR OPERATION
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KEYWORDS 3 18 29 W
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.. - SEE NR 178 181 878 1013 1014 1055 1058
.. - SEE NR 1062 1293 1294 1295 1296 1297 1298
.. - SEE NR 1299 1300 1301 1302 1303 1304 1675
.. - SEE NR 1676

CHRISTIE J. - SEE NR 124

CIOCANESCU M. - SEE NR 31

CIOPEC M. - SEE NR 1447 1448 1449

CISNEY E. - SEE NR 81

480 CLAUDSON T.T. 1958-A
EMISSIVITY DATA FOR URANIUM DIOXIDE
HW-55414 (1958) 24P.
KEYWORDS 2 6 7 11 21
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481 CLAUDSON T.T. 1967-A
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KEYWORDS 1 3 8 W

CLEARY J.G. - SEE NR 1129

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482 CLIFTON D.G. 1971-A
HIGH TEMPERATURE CALORIMETRY
LA-4693-MS (1971) P.16-7 (NSA 25-58344)
KEYWORDS 2 3 6 7 16 21
CATIONS M ANIONS O

483 CLIFTON D.G. 1971-B
HIGH TEMPERATURE CALORIMETRY
LA-4749-MS (1971) P.28-31 (NSA 26-598)
KEYWORDS 2 3 6 7 21
CATIONS M ANIONS O

** 35 **

** 36 **

- 484 CLIFTON D.G. 1972-A
BREWER R.
HIGH TEMPERATURE CALORIMETRY OF IRRADIATED OXIDES
LA-4993-PR (1972) P.18 (NSA 26-48321)
KEYWORDS 2 4 6 7 21
CATIONS M ANIONS O
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- 485 CLINTON S.D. 1973-A
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EFFECTIVE THERMAL CONDUCTIVITY OF SHEARED PROTOTYPE LMFBR
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- 486 CLOUGH D.J. 1962-A
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EFFECTIVE THERMAL CONDUCTIVITY OF STOICHIOMETRIC SINTERED UO2
AERE-R 4146 (1962) 20P.
KEYWORDS 3 6 11 W
CATIONS U ANIONS O
- 487 CLOUGH D.J. 1964-A
SAYERS J.B.
THE MEASUREMENT OF THE THERMAL CONDUCTIVITY OF UO2 UNDER
IRRADIATION IN THE TEMPERATURE RANGE 150C-1600C
AERE-R 4690 (1964) 75P. (NSA 19-11776)
KEYWORDS 3 6 7 11 17 W
CATIONS U ANIONS O
- 488 CLOUGH D.J. 1968-A
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THE 21ST FISSIONS PER CCM
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CATIONS U ANIONS O
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- COFFMAN W.A. - SEE NR 668
- COGLIATI G. - SEE NR 401
- 489 COHEN I. 1960-A
LUSTMAN B. EICHENBERG J.D.
MEASUREMENT OF THE THERMAL CONDUCTIVITY OF METAL-CLAD URANIUM
OXIDE RODS DURING IRRADIATION
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KEYWORDS 3 6 7 8 11 W
CATIONS U ANIONS O
- 490 COHEN I. 1960-B
LUSTMAN B. EICHENBERG J.D.
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OXIDE RODS DURING IRRADIATION
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KEYWORDS 3 6 7 8 11 W
CATIONS U ANIONS O
- 491 COHEN I. 1961-A
LUSTMAN B. EICHENBERG J.D.
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CATIONS U ANIONS O
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- 492 COJOCARU L.N. 1966-A
ELECTRICAL PROPERTIES OF MELTS OF SiO2-UO2 SYSTEMS
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KEYWORDS 2 6 11 16 20
CATIONS U ANIONS O ADDITIVES SI
- 493 COJOCARU L.N. 1969-A
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AND THERMO-ELECTRIC POWER OF THE UO2-SiO2 SYSTEM
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KEYWORDS 2 3 6 11 16 20
CATIONS U ANIONS O ADDITIVES SI
- 494 COJOCARU L.N. 1971-A
RADIATION EFFECTS ON ELECTRICAL PROPERTIES OF THE UO2-SiO2
SYSTEM (IN RUMANIAN)
STUD. CERCET. FIZ. 23 (1971) P.27-59 (NSA 25-33460)
KEYWORDS 4 11 16 20
CATIONS U ANIONS O ADDITIVES SI
- COJOCARU L.N. - SEE NR 31 32
- 495 COLE G.R. 1962-A
PRELIMINARY IRRADIATION OF FUSED UO2
DP-662 (1962) 29P. (NSA 16-12176)
KEYWORDS 3 6 12 13 15 23 W
CATIONS U ANIONS O
- COLLIGNON M. - SEE NR 778
- COLOMBO R.L. - SEE NR 36
- 496 COMBUSTION ENGINEER. 1965-A
DEVELOPMENT AND TESTING OF A TEMPERATURE TRANSIENT METHOD FOR
PERFORMING IN-PILE THERMAL CONDUCTANCE TESTING
CEND-3336-241 (1965) 24P. (EURAE-1437) (NSA 19-44684)
KEYWORDS 2 3 8 9 18 W
CATIONS U ANIONS O
- 497 COMBUSTION ENGINEER. 1966-A
THERMAL CONDUCTIVITY OF UO2
TID-11295 (PT.1) (5TH ED.) (1966) P.IX/1-IX/15 (NSA 22-19078)
KEYWORDS 2 7 8 18 W
CATIONS U ANIONS O
- 498 COMBUSTION ENGINEER. 1973-A
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KEYWORDS 1 3 8 29 W
CATIONS M ANIONS O
- 499 COMPANION A. 1960-A
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KEYWORDS 2 6 12 22
CATIONS U ANIONS O
- 500 COMSTOCK M. 1960-A
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KEYWORDS 30 W
CATIONS U T ANIONS O
- 501 CONROY B. 1965-A
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KEYWORDS 2 5 6 11 16 26 27
CATIONS M ANIONS O ADDITIVES ZR
- 502 CONTE M. 1971-A
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OBSERVATIONS OF MIXED IRRADIATED OXIDE WITH ADDITIONS OF
FISSION PRODUCTS (IN FRENCH)
CONF-720420-7 (1971) 38P. (CEA-CONF-2011) (NSA 26-56582)
KEYWORDS 1 3 6 7 11 16 W
CATIONS M ANIONS O
- 503 CONTE M. 1972-A
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POSTIRRADIATION OBSERVATIONS OF MIXED OXIDES WITH INITIAL
ADDITION OF FISSION PRODUCT ELEMENTS
NUCL. TECHNOL. 16 (1972) P.143-55 (NSA 26-48337)
KEYWORDS 3 4 6 7 23 W
CATIONS M ANIONS O
- CONTE M. - SEE NR 1521
- CONTI A.E. - SEE NR 86 87 88
- 504 CONWAY J.B. 1963-A
FINCEL R.M. JR. HEIN R.A.
THE THERMAL EXPANSION AND HEAT CAPACITY OF UO2 TO 2200C
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33862)
KEYWORDS 2 6 7 11 21 27
CATIONS U ANIONS O
- 505 CONWAY J.B. 1963-B
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PROC. 3RD CONF. ON THERMAL CONDUCTIVITY (1963) GATLINBURG
P.423-7
KEYWORDS 2 6 7 11 21 W
CATIONS U ANIONS O
- 506 CONWAY J.B. 1963-C
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KEYWORDS 2 6 7 11 21 27
CATIONS U ANIONS O
- 507 CONWAY J.B. 1965-A
HEIN R.A.
ENTHALPHY OF URANIUM DIOXIDE TO 2350C
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KEYWORDS 2 6 7 11 21
CATIONS U ANIONS O
- 508 CONWAY J.B. 1969-A
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PHYSICAL AND MECHANICAL PROPERTIES OF REACTOR MATERIALS
GEMP-1013 (1969) P.258-63 (NSA 24-14640) (NSA 24-14695)
KEYWORDS 2 7 11 27 W
CATIONS U ANIONS O
- 509 CONWAY J.B. 1969-B
FEITH A.D.
AN INTERIM REPORT ON A ROUND ROBIN EXPERIMENTAL PROGRAM TO
MEASURE THE THERMAL CONDUCTIVITY OF STOICHIOMETRIC URANIUM
DIOXIDE
GEMP-715 (1969) 76P. (NSA 24-10158)
KEYWORDS 2 6 7 11 30 W
CATIONS U ANIONS O
- CONWAY J.B. - SEE NR 991 993
- 510 COPLIN D.H. 1964-A
LYONS M.F. WEIDENBAUM B.
CAPSULE FOR MEASUREMENT OF UO2 THERMAL CONDUCTIVITY
TID-7697 (1964) P.2.12.1-4 (NSA 18-45108) (NSA 18-45095)
KEYWORDS 3 7 9 11 W
CATIONS U ANIONS O
- 511 COPLIN D.H. 1964-B
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FISSION-GAS RELEASE FROM UO2 PELLET FUEL RODS WITH GROSS
CENTRAL MELTING
TRANS. AMER. NUCL. SOC. 7 (1964) P.91 (NSA 19-41088)
KEYWORDS 3 6 7 11 24 26
CATIONS U ANIONS O

** 37 **

** 38 **

512 COPLIN D.H. 1965-A
HAUSNER H. LYONS M.F. WEIDENBAUM B.
IN-PILE DIRECT MEASUREMENT OF UO2 THERMAL CONDUCTIVITY
TRANS. AMER. NUCL. SOC. 8 (1965) P.35-6 (NSA 19-28854)
KEYWORDS 3 6 7 11 W
CATIONS U ANIONS O

513 COPLIN D.H. 1965-B
HAUSNER H. LYONS M.F. WEIDENBAUM B.
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MEASUREMENT
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KEYWORDS 3 6 7 11 W
CATIONS U ANIONS O

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KEYWORDS 1 3 6 7 9 11 W
CATIONS U ANIONS O

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515 CORDFUNKE E.H.P. 1969-A
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KEYWORDS 2 6 7
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SEGRE G.J.
A CONTRIBUTION TO THE STUDY OF COLUMNAR GRAINS AND CENTRAL
VOID IN URANIUM OXIDE FUEL RODS
RT/MET (69) 3 (1969) 23P. (NSA 24-37004)
KEYWORDS 3 6 7 11 23 W
CATIONS U ANIONS O

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517 COSTA P. 1964-A
FRANCOIS A.
APPARATUS FOR THE MEASUREMENT OF THERMAL CONDUCTIVITY (IN
FRENCH)
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KEYWORDS 2 6 9 W
CATIONS U ANIONS O

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COWLEY R.A. - SEE NR 665 2195

518 COX C.M. 1969-A
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PROFIL - A ONE-DIMENSIONAL FORTRAN IV PROGRAM FOR COMPUTING
STEADY-STATE TEMPERATURE DISTRIBUTIONS IN CYLINDRICAL CERAMIC
FUELS
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KEYWORDS 1 3 29 W

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STEADY-STATE TEMPERATURE DISTRIBUTIONS IN CYLINDRICAL CERAMIC
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KEYWORDS 1 3 29 W

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FITTS R.B. HOMAN F.J.
IRRADIATION TEST CALCULATIONS
ORNL-4420 (1969) P.33-7 (NSA 23-48502) (NSA 23-48315)
KEYWORDS 1 3 6 7 11 29 W

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ANALYSIS OF MIXED-OXIDE FUEL PIN PERFORMANCE USING THE F-MODEL
COMPUTER CODE
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24-7393)
KEYWORDS 1 3 29 W
CATIONS M ANIONS O

522 COX C.M. 1969-E
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PINS
NUCL. SAFETY 10 (1969) P.380-91 (NSA 23-41759)
KEYWORDS 3 6 7 11 18 29 W
CATIONS M ANIONS O

523 COX C.M. 1969-F
ADAMS R.E.
TRANSIENT TESTING OF SOL-SEL (U,P)O2
ORNL-4420 (1969) P.30-2 (NSA 23-48502) (NSA 23-48315)
KEYWORDS 3 8 9 12 18 W
CATIONS M ANIONS O

524 COX C.M. 1970-A
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KEYWORDS 1 3 29 W
CATIONS M ANIONS O

525 COX C.M. 1970-B
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FISSION GAS FOR (U,P)O2
ORNL-4560 (1970) P.67-71 (NSA 24-44817) (NSA 24-44652)
KEYWORDS 1 3 23 24 29 W
CATIONS M ANIONS O

526 COX C.M. 1970-C
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IRRADIATION PERFORMANCE OF SOL-GEL (U,P)O2 FUELS FOR BREEDER
REACTORS
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KEYWORDS 1 3 6 7 12 29 W
CATIONS M ANIONS O

527 COX C.M. 1971-A
CUNEO D.R. MANTHOS E.J.
PERFORMANCE OF SPHERE-PAC AND PELLETIZED (U,P)O2 DURING
SEVERE OVERPOWER TRANSIENTS
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710414) (NSA 25-32853)
KEYWORDS 3 7 14 18 26 29
CATIONS M ANIONS O

528 COX C.M. 1971-B
CUNEO D.R. MANTHOS E.J.
PERFORMANCE OF SPHERE-PAC AND PELLETIZED (U,P)O2 DURING
SEVERE OVERPOWER TRANSIENTS
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KEYWORDS 3 6 12 18 29
CATIONS M ANIONS O

529 COX C.M. 1971-C
FUEL-CLADDING GAP CONDUCTANCE
ORNL-TM-3571 (1971) P.38-9
KEYWORDS 1 3 8 29 W
CATIONS M ANIONS O

530 COX C.M. 1971-D
CUNEO D.R. MANTHOS E.J.
PERFORMANCE OF SPHERE-PAC AND PELLETIZED (U,P)O2 DURING
SEVERE OVERPOWER TRANSIENTS
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KEYWORDS 1 3 14 18 W
CATIONS M ANIONS O

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THERMAL FLUX TEST REACTORS
ORNL-TM-3487 (1971) P.48
KEYWORDS 1 3 6 7 18 29 W
CATIONS M ANIONS O

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** - SEE NR 1052 1650

COX R.L. - SEE NR 485

532 CRACKNELL A.P. 1969-A
JOSHUA S.J.
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CONTRIBUTION TO THE SPECIFIC HEAT OF ANTIFERROMAGNETIC UO2
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KEYWORDS 2 5 21
CATIONS U ANIONS O

533 CRAIG C.N. 1968-A
BAILY W.E.
IN-PILE COMPARISON OF EFFECTIVE THERMAL CONDUCTIVITY OF (PUO2-
UO2) MIXED OXIDES
GEAP-5556 (1968) 56P. (NSA 22-50731)
KEYWORDS 3 6 7 11 15 W
CATIONS M ANIONS O

534 CRAIG C.N. 1969-A
HULL G.R. BAILY W.E.
HEAT TRANSFER COEFFICIENTS BETWEEN FUEL AND CLADDING IN OXIDE
FUEL RODS
GEAP-5748 (1969) 42P. (NSA 23-47341)
KEYWORDS 3 6 7 8 12 W
CATIONS M ANIONS O

535 CRAIG C.N. 1971-A
KRANKOTA J.L. BAILY W.E.
EFFECTIVE THERMAL CONDUCTIVITY OF PUO2-UO2 AT HIGH BURNUPS
GEAP-13703 (1971) 49P. (NSA 25-54288)
KEYWORDS 1 3 6 7 11 26 W
CATIONS M ANIONS O

536 CRAIG C.N. 1971-B
APPLEBY W.K. PERRY K.J. DUNCAN R.N.
BAILY W.E. SPALARIS C.N.
STEADY-STATE PERFORMANCE OF PUO2-UO2 FAST REACTOR FUELS
PROC. OF THE CONF. ON FAST REACTOR FUEL ELEMENT TECHNOLOGY
(1971) NEW ORLEANS P.555-78 (ED.) FARMAKES R. (CONF-710414)
(NSA 26-60544) (NSA 26-60565)
KEYWORDS 1 3 15 24 26 W
CATIONS M ANIONS O

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CRANE J. - SEE NR 918

537 CRASTAN V. 1971-A
USE OF AN ELEMENT METHOD PROGRAM FOR SOLUTION OF TEMPERATURE
DISTRIBUTION PROBLEMS (IN GERMAN)
NUCL. ENG. DES. 15 (1971) P.54-64 (NSA 25-54882)
KEYWORDS 1 3 29 W

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- CROFT M.W. - SEE NR 920
- CROUTHAMEL C.E. - SEE NR 1130
- 538 CROZIER R.J.M. 1971-A
SEGPLPE - A PROGRAM TO DETERMINE THERMO-ELASTIC DEFORMATIONS
IN A SEGMENT OF A HOLLOW CYLINDER
AECL-4056 (1971) 44P. (NSA 26-6373)
KEYWORDS 27 29 W
- 539 CROZIER R.J.M. 1972-A
THISTLE - A PROGRAM TO DETERMINE THE THREE-DIMENSIONAL,
STEADY-STATE TEMPERATURE AND HEAT FLUX DISTRIBUTIONS IN
INHOMOGENEOUS NUCLEAR FUEL ELEMENTS
AECL-4253 (1972) 34P. (NSA 27-1982)
KEYWORDS 1 29 W
- 540 CSF 1960-A
THE IMPROVED SINTERING OF URANIUM OXIDE WITH A VIEW TO
INCREASING ITS THERMAL CONDUCTIVITY
EURAE-5 (1960) 13P. (NSA 17-11107)
KEYWORDS 2 6 9 11 16 W
CATIONS U ANIONS O ADDITIVES NB Y ME
- 541 CSF 1960-B
THE IMPROVED SINTERING OF URANIUM OXIDE WITH A VIEW TO
INCREASING ITS THERMAL CONDUCTIVITY
EURAE-5(REV.) (1960) 22P. (NSA 17-11107)
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES NB Y ME
- 542 CSF 1960-C
IMPROVING THE SINTERING OF URANIUM OXIDE WITH A VIEW TO
INCREASING ITS HEAT CONDUCTIVITY
EURAE-6 (1960) 8P. (TID-12480) (NSA 16-18025)
KEYWORDS 2 6 9 11 16 W
CATIONS U ANIONS O ADDITIVES NB Y ME
- 543 CSF 1960-D
THE IMPROVED SINTERING OF URANIUM OXIDE WITH A VIEW TO
INCREASING ITS THERMAL CONDUCTIVITY
TID-12479 (1960) 41P. (NSA 15-18512)
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O
- 544 CSF 1960-E
IMPROVING THE SINTERING OF URANIUM OXIDE WITH A VIEW TO
INCREASING ITS HEAT CONDUCTIVITY
TID-12480 (1960) 17P. (NSA 15-18513)
KEYWORDS 2 6 9 11 16 W
CATIONS U ANIONS O
- 545 CSF 1961-A
PERFECTING THE SINTERING OF URANIUM OXIDE WITH A VIEW TOWARDS
INCREASING ITS THERMAL CONDUCTIVITY
EURAE-7 (1961) 27P. (NSA 16-19301)
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES NB Y ME
- 546 CSF 1961-B
PERFECTING THE SINTERING OF URANIUM OXIDE WITH A VIEW TO
INCREASING ITS THERMAL CONDUCTIVITY
TID-12481 (1961) 31P. (NSA 15-18514)
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES NB Y ME
- 547 CULLEY G.E. 1968-A
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BNWL-917 (1968) P.4,4-4,10 (NSA 23-17245)
KEYWORDS 3 6 7 18 26 W
CATIONS M ANIONS O
- 548 CULLEY G.E. 1970-A
HANSON J.E. LEGGETT R.D. BARD F.E.
RESPONSE OF AN EBR-II IRRADIATED, MIXED OXIDE FUEL PIN TO AN
OVERPOWER TRANSIENT IN TREAT
HEDL-SA-84 (1970) 23P. (CONF-710414-5) (NSA 25-60131)
KEYWORDS 3 6 7 18 W
CATIONS M ANIONS O
- 549 CULLEY G.E. 1971-A
LEGGETT R.D. BARD F.E.
RESPONSE OF AN EBR-II IRRADIATED, MIXED OXIDE FUEL PIN TO AN
OVERPOWER TRANSIENT IN TREAT
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KEYWORDS 1 3 6 7 11 18 W
CATIONS M ANIONS O
- 550 CULLFY G.E. 1971-B
SHEPPARD D.O. GUSTAFSON J.C. HANSON J.E.
EBR-II/TREAT TEST SERIES
WHAN-FR-50 (1971) P.7-5/7-11 (NSA 25-18180)
KEYWORDS 1 3 11 18 W
CATIONS M ANIONS O
- 551 CULLEY G.E. 1971-C
HANSON J.E. LEGGETT R.D. BARD F.E.
RESPONSE OF AN EBR-II IRRADIATED, MIXED-OXIDE FUEL PIN TO AN
OVERPOWER TRANSIENT IN TREAT
PROC. OF THE CONF. ON FAST REACTOR FUEL ELEMENT TECHNOLOGY
(1971) NEW ORLEANS P.657-78 (ED.) FARMAKES R. (CONF-710414)
(NSA 26-60544) (NSA 25-32851)
KEYWORDS 1 3 18 W
CATIONS M ANIONS O
- 552 CULLEY G.E. 1972-A
SCOTT J.H. HANSON J.E.
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TRANS. AMER. NUCL. SOC. 15 (1972) P.341-2 (CONF-720607) (NSA
26-44704)
KEYWORDS 1 3 6 7 11 18
CATIONS M ANIONS O
- ** 40 **
- CULLEY G.E. - SEE NR 1925
- CUNEO D.R. - SEE NR 527 528 530 761 762 764 765
- 553 CUNNINGHAM G.W. 1963-A
RECENT DEVELOPMENTS IN REACTOR MATERIALS FROM POWDERS
REACTOR MATERIALS 6 NO.1 (1963) P.8/12 (NSA 17-17443)
KEYWORDS 2 6 12 16 30 W
CATIONS U ANIONS O ADDITIVES ME
- CUNNINGHAM G.W. - SEE NR 1955
- CURRIN H.B. - SEE NR 259
- 554 CURTIS C.E. 1959-A
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VOL.2 (1959) P.229-30 (EDS.) FINNISTON H.M., HOWE J.P. (NSA
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KEYWORDS 2 6 7 11 30 W
CATIONS T ANIONS O
- CURTIS C.E. - SEE NR 1707
- 555 CUSHMAN R.A. 1970-A
GAP CONDUCTANCE OF OXIDE FUEL ELEMENTS IRRADIATED IN EBR-2
TRANS. AMER. NUCL. SOC. 13 (1970) P.806 (NSA 25-6060)
KEYWORDS 3 6 8 11 W
CATIONS U ANIONS O
- D EYE R.W.M. - SEE NR 732
- 556 DAENNER W. 1970-A
DETERMINATION OF THE OPERATING THERMAL CONDUCTIVITY OF CERAMIC
FUEL AND THE COEFFICIENT OF THERMAL CONDUCTIVITY OF THE
FISSION GAS BETWEEN THE FUEL AND TUBE ACCORDING TO THE
BALANCED OSCILLATOR METHOD (IN GERMAN)
KFK-1125 (1970) 171P. (NSA 24-42233)
KEYWORDS 1 3 8 9 18 W
- 557 DAENNER W. 1970-B
RESULTS OF ERROR ANALYSIS FOR IN-PILE THERMAL CONDUCTIVITY
MEASUREMENT USING THE BALANCED OSCILLATOR TECHNIQUE
EURFNR-775 (1970) 45P. (NSA 25-10324)
KEYWORDS 1 2 3 6 7 8 9 11 18 W
- 558 DAENNER W. 1970-C
RESULTS OF ERROR ANALYSIS FOR IN-PILE THERMAL CONDUCTIVITY
DETERMINATIONS BY THE BALANCED OSCILLATOR METHOD (IN GERMAN)
KFK-1140 (1970) 37P. (NSA 24-38633)
KEYWORDS 1 2 3 6 7 8 9 11 18 W
- 559 DAENNER W. 1970-D
DETERMINATION OF CERAMIC FUEL THERMAL CONDUCTIVITY AND GAP
CONDUCTANCE BY THE BALANCED OSCILLATOR METHOD
NUCL. ENG. DES. 14 (1970) P.51-9 (NSA 25-15411)
KEYWORDS 1 2 3 6 7 8 9 11 18 W
- 560 DAENNER W. 1970-E
DETERMINATION OF THE THERMAL CONDUCTIVITY OF FUEL IN FR 2 (IN
GERMAN)
KFK-1269 (1970) P.112-10 (EUR-4308.D) (NSA 25-31568)
KEYWORDS 1 9 18 W
CATIONS M ANIONS O
- 561 DAENNER W. 1970-F
DETERMINATION OF THE THERMAL CONDUCTIVITY OF FUEL IN FR 2
EURFNR-823 (1970) P.112-10 (NSA 25-31568)
KEYWORDS 1 9 18 W
CATIONS M ANIONS O
- DAILLY D.F. - SEE NR 256
- 562 DANFORTH W.E. 1950-A
MORGAN F.H.
ELECTRICAL RESISTANCE OF THORIA
PHYS. REV. 79 (1950) P.142-4 (NSA 4-5235)
KEYWORDS 2 6 20
CATIONS T ANIONS O
- 563 DANFORTH W.E. 1953-A
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KEYWORDS 2 6 7 20 21
CATIONS T ANIONS O
- 564 DANFORTH W.E. 1955-A
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KEYWORDS 2 6 20
CATIONS T ANIONS O
- 565 DANFORTH W.E. 1955-B
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KEYWORDS 2 6 20
CATIONS T ANIONS O
- 566 DANFORTH W.E. 1956-A
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NP-6125 (1956) 91P. (NSA 11-384)
KEYWORDS 1 2 20 22
CATIONS T ANIONS O

** 41 **

** 42 **

567 DANFORTH W.E. 1957-A
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AT HIGH TEMPERATURE
NP-6206 (1957) 15P. (NSA 11-4854)
KEYWORDS 2 6 7 10 20
CATIONS T ANIONS O

DANFORTH W.E. - SEE NR 2143 2144

DANIEL A.R. - SEE NR 124

568 DANIEL J.L. 1962-A
WATOLICH J. JR. DEEM H.W.
THERMAL CONDUCTIVITY OF UO2
HW-69945 (1962) 39P. (NSA 17-11258)
KEYWORDS 2 4 6 7 10 11 W
CATIONS U ANIONS O

569 DANIEL J.L. 1964-A
RATES J.L.
THERMAL CONDUCTIVITY OF IRRADIATED UO2
HW-76303 (1964) P.2.19-21 (NSA 18-12643)
KEYWORDS 3 6 11 W
CATIONS U ANIONS O

570 DANIEL J.L. 1965-A
RATES J.L.
EFFECTS OF IRRADIATION ON UO2 MICROSTRUCTURES
BNWL-150 (1965) P.2.1-2.3 (NSA 20-7495) (NSA 20-7629)
KEYWORDS 3 6 11 23 W
CATIONS U ANIONS O

DANIEL J.L. - SEE NR 175 176 189 207

571 DANIEL R.C. 1962-A
BLEIBERG M.L. MEIERAN M.B. YENISCAVICH W.
EFFECTS OF HIGH BURNUP ON ZIRCALOY-CLAD BULK UO2 PLATE FUEL
ELEMENT SAMPLES
WAPD-263 (1962) P.31-8/105-14 (NSA 16-33524)
KEYWORDS 1 3 6 7 11 17 W
CATIONS U ANIONS O

572 DANIEL R.C. 1964-A
DESIGN, PERFORMANCE, AND REACTOR ENVIRONMENT INFORMATION FOR
WAPD TEST CAPSULES
TID-7697 (1964) P.2.13.1-29 (NSA 18-45109) (NSA 18-45095)
KEYWORDS 3 6 7 9 11 16 W
CATIONS U ANIONS O ADDITIVES ZR

573 DANIEL R.C. 1964-B
COHEN I.
IN-PILE EFFECTIVE THERMAL CONDUCTIVITY OF OXIDE FUEL ELEMENTS
TO HIGH FISSION DEPLETIONS
WAPD-246 (1964) 151P. (NSA 18-26073)
KEYWORDS 3 6 7 11 W
CATIONS U ANIONS O

574 DANIEL R.C. 1964-C
COHEN I.
IN-PILE EFFECTIVE THERMAL CONDUCTIVITY OF OXIDE FUEL ELEMENTS
TO HIGH FISSION DEPLETIONS
TRANS. AMER. NUCL. SOC. 6 (1964) P.332-3 (NSA 18-3149)
KEYWORDS 3 6 7 11 16 W
CATIONS U ANIONS O ADDITIVES ZR

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** 44 **

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** 45 **

** 46 **

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** 47 **

** 48 **

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** 52 **

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** 54 **

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- 729 FEITH A.D. 1965-B
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- 732 FERGUSON I.F. 1960-A
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KEYWORDS 2 6 27
CATIONS U ANIONS O
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- FERRANTE E. - SEE NR 364
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- 736 FERRERO G.L. 1972-A
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THERMAL DIFFUSIVITY OF MIXED (TH(1-X)U(X)) OXIDES AND SOME MATERIALS TO BE USED AS REFERENCE IN THE RANGE 650-2700K
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CATIONS V ANIONS O
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KEYWORDS 2 6 9 12 W
CATIONS U ANIONS O
- 744 FIAT 1960-B
SWAGING OF URANIUM DIOXIDE
TID-12448 (1960) P.26-31 (NSA 15-17280)
KEYWORDS 2 6 12 14 W
CATIONS U ANIONS O
- 745 FIAT 1961-A
SWAGING OF URANIUM DIOXIDE
EURAC-61 (1961) P.8-12 (NSA 16-15155)
KEYWORDS 2 6 12 W
CATIONS U ANIONS O
- 746 FIAT 1961-B
SWAGING OF URANIUM DIOXIDE
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KEYWORDS 2 6 9 12 W
CATIONS U ANIONS O
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KEYWORDS 2 6 12 W
CATIONS U ANIONS O

** 55 **

** 56 **

748 FIEDLER H. 1972-A
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KFK-1272/1 (1972) P.112-1 (EUR-4844d) (NSA 27-19072)
KEYWORDS 1 3 29 W
CATIONS M ANIONS O

749 FIEDLER H. 1972-B
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EURFNR-1027 (1972) P.112-1 (NSA 27-19072)
KEYWORDS 1 3 29 W
CATIONS M ANIONS O

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750 FIELD J.H. 1970-A
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KEYWORDS 2 6 7 11 W
CATIONS M ANIONS O

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FINDLAY J.R. - SEE NR 751 1779

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LEIBOWITZ L. HALEY J.
THERMAL DIFFUSIVITY OF REACTOR MATERIALS (LIQUID UO2)
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KEYWORDS 2 7 9 26 W
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FISHENDEN M. - SEE NR 402

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FUEL TEMPERATURE MEASUREMENTS IN MIXED OXIDE ELEMENTS
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KEYWORDS 3 6 9 11 W
CATIONS M ANIONS O

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KEYWORDS 3 6 11 W
CATIONS M ANIONS O

756 FITTS R.B. 1969-A
DECARLO V.A.
ORR INSTRUMENTED TESTS
ORNL-4350 (1969) P.25-9 (NSA 23-20535) (NSA 23-20534)
KEYWORDS 3 6 7 12 W
CATIONS U ANIONS O

757 FITTS R.B. 1969-B
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ORR INSTRUMENTED TESTS
ORNL-4440 (1969) P.27 (NSA 24-4827) (NSA 24-4710)
KEYWORDS 3 6 11 23 W
CATIONS U ANIONS O

758 FITTS R.B. 1969-C
COX C.M.
HEAT TRANSFER ANALYSIS
ORNL-4470 (1969) P.138-9 (NSA 24-2868) (NSA 24-2982)
KEYWORDS 1 3 6 7 11 29 W
CATIONS U ANIONS O

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ORNL-4470 (1969) P.139-40 (NSA 24-2868) (NSA 24-2982)
KEYWORDS 1 3 6 7 11 29 W
CATIONS M ANIONS O

760 FITTS R.B. 1969-E
DECARLO V.A. THOMS K.R.
ORR INSTRUMENTED TESTS
ORNL-4420 (1969) P.28-30 (NSA 23-48502) (NSA 23-48315)
KEYWORDS 3 6 12 W
CATIONS M ANIONS O

761 FITTS R.B. 1970-A
CUNEO D.R. DECARLO V.A.
ORR INSTRUMENTED TESTS
ORNL-4480 (1970) P.26-7 (NSA 24-17393) (NSA 24-17192)
KEYWORDS 3 6 9 11 23 W
CATIONS M ANIONS O

762 FITTS R.B. 1970-B
DECARLO V.A. CUNEO D.R.
ORR INSTRUMENTED TESTS
ORNL-4570 (1970) P.56-7 (NSA 25-2768) (NSA 25-2601)
KEYWORDS 3 6 7 11 14 W
CATIONS M ANIONS O

763 FITTS R.B. 1970-C
DECARLO V.A. LONG E.L. JR. OLSEN A.R.
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FUELS
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25-5992)
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CATIONS M ANIONS O

764 FITTS R.B. 1970-D
DECARLO V.A. CUNEO D.R.
INSTRUMENTED TESTS IN THE OAK RIDGE RESEARCH REACTOR
ORNL-4600 (1970) P.26-7 (NSA 25-8829) (NSA 25-8909)
KEYWORDS 1 3 6 7 12 W
CATIONS U P ANIONS O

765 FITTS R.B. 1970-E
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INSTRUMENTED TESTS IN OAK RIDGE RESEARCH REACTOR
ORNL-4660 (1970) P.26-30 (NSA 24-44761) (NSA 24-44652)
KEYWORDS 3 6 7 10 12 W
CATIONS M ANIONS O

766 FITTS R.B. 1971-A
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TESTS OF THERMAL PERFORMANCE
ORNL-TM-3300 (1971) P.23-7 (NSA 25-49573)
KEYWORDS 1 3 7 11 12 23 W
CATIONS M ANIONS O

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SENN R.L.
TESTS OF MECHANICAL INTERACTION OF FUEL AND CLADDING
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KEYWORDS 1 3 9 27
CATIONS M ANIONS O

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ANALYSIS DATA FROM SG-3 THERMAL PERFORMANCE TEST
ORNL-TM-3550 (1971) P.19-25 (NSA 26-15673)
KEYWORDS 3 6 7 11 12 W
CATIONS M ANIONS O

769 FITTS R.B. 1971-D
ORR INSTRUMENTED THERMAL PERFORMANCE TESTS
ORNL-TM-3540 (1971) P.50-1 (NSA 26-4906)
KEYWORDS 3 8 12 W
CATIONS M ANIONS O

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ORR INSTRUMENTED THERMAL PERFORMANCE TESTS
ORNL-4770 (1971) P.50-1 (NSA 26-4905) (NSA 26-4990)
KEYWORDS 3 8 12 W
CATIONS M ANIONS O

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ANALYSIS OF DATA FROM TEST SG-3
ORNL-TM-3571 (1971) P.31-3
KEYWORDS 3 7 12 W
CATIONS M ANIONS O

772 FITTS R.B. 1972-A
MILLER J.L. JR. LONG E.L. JR.
OBSERVATIONS ON TUNGSTEN-RHENIUM THERMOCOUPLES USED IN-REACTOR
IN (U,P)O2 FUEL PINS
ORNL-TM-3617 (1972) 16P. (NSA 26-23391)
KEYWORDS 1 3 6 7 9 11 W
CATIONS M ANIONS O

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ANALYSIS AND PERFORMANCE OF INSTRUMENTED FUEL PINS
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KEYWORDS 1 3 9 W
CATIONS M ANIONS O

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KEYWORDS 1 3 6 7 W
CATIONS M ANIONS O

** 57 **

775 FITTS R.B. 1972=D
MILLER J.L. JR. LONG E.L. JR.
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IN (U,PU)O2
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776 FLEISCHER B. 1971-A
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KEYWORDS 2 6 7 11 W
CATIONS U ANIONS O

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778 FLIPOT A.J. 1969-A
COLLIGNON M. SMOLDERS A.
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FUEL ELEMENT BY MEANS OF DISPERSED MONITORS (IN FRENCH)
J. NUCL. MATER. 32 (1969) P.268-80 (NSA 23-46152)
KEYWORDS 3 4 6 7 11 16 W
CATIONS U ANIONS O ADDITIVES AL

779 FLIPOT A.J. 1971-A
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DISPERSED BURNABLE POISON
NUCL. ENG. INT. 16 (1971) P.329-33 (NSA 25-57194)
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CATIONS U ANIONS O ADDITIVES AL

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OSBORNE D.W. WESTRUM E.F. JR.
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24K. THE MAGNETIC CONTRIBUTION TO THE ENTROPY
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784 FORTESCUE P. 1965-A
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20-5119)
KEYWORDS 1 2 3 6 7 11 18 W
CATIONS M ANIONS O

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KEYWORDS 1 2 3 6 7 11 18 W
CATIONS M ANIONS O

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FOWLER M.H. - SEE NR 1953

** 58 **

FOX A.C. - SEE NR 1734

FOX G.L. - SEE NR 1505

FOX J.B. - SEE NR 1677

FRANCIA M. - SEE NR 737

786 FRANCL J. 1953-A
KINGERY W.D.
THERMAL CONDUCTIVITY, IX. EXPERIMENTAL INVESTIGATION OF THE
EFFECT OF POROSITY ON THERMAL CONDUCTIVITY
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KEYWORDS 2 11 14 W

787 FRANCL J. 1954-A
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CATIONS U ANIONS O ADDITIVES ME

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KEYWORDS 4 6 9 21
CATIONS M ANIONS O

790 FRANTZ C.E. 1971-B
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(ED.) FARMAKES R. (NSA 26-9430)
KEYWORDS 4 6 9 21
CATIONS M ANIONS O

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CHASANOV M.G.
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CALORIMETRY
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KEYWORDS 2 6 7 11 21
CATIONS U ANIONS O

792 FREDRICKSON D.R. 1970-B
BARNES R.D.
ENTHALPIES AND HEAT CAPACITIES BY DROP CALORIMETRY.
A. RESISTANCE-HEATED AND ELECTRON-BEAM-HEATED CALORIMETRIC
SYSTEMS (UB1,98) (UO2)
ANL-7675 (1970) P.87-8 (NSA 24-50439)
KEYWORDS 2 7 21
CATIONS U ANIONS O

FREDRICKSON D.R. - SEE NR 406 408

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793 FRESHLEY M.D. 1963-A
MATTYS H.M.
PROPERTIES OF SINTERED THO2-PUO2
HW-76559 (1963) P.11.6-11.9 (NSA 17-31681)
KEYWORDS 2 6 7 11 26
CATIONS Q ANIONS O

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MATTYS H.M.
PROPERTIES OF SINTERED THO2-PUO2
HW-76300 (1963) P.2.6-2.8. (NSA 17-23866)
KEYWORDS 2 6 7 11 26
CATIONS Q ANIONS O

795 FRESHLEY M.D. 1963-C
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THE IRRADIATION PERFORMANCE OF ZRO2-PUO2 NUCLEAR FUEL
HW-SA-3128 (1963) 16P. (CONF-187-73) (NSA 18-22526)
KEYWORDS 1 3 7 11 16 W
CATIONS P ANIONS O ADDITIVES ZR

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KEYWORDS 1 3 7 11 16 W
CATIONS P ANIONS O ADDITIVES ZR

797 FRESHLEY M.D. 1963-E
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KEYWORDS 1 3 7 11 16 W
CATIONS P ANIONS O ADDITIVES MG

** 59 **

** 60 **

798 FRESHLEY M.D. 1963-F
 CARROLL D.F.
 THE IRRADIATION PERFORMANCE OF MGO-PUO2 NUCLEAR FUEL
 HW-SA-3127 (1963) 15P. (CONF-187-53) (NSA 18-12723)
 KEYWORDS 1 3 6 7 11 16 23 24
 CATIONS P ANIONS O ADDITIVES MG

799 FRESHLEY M.D. 1964-A
 MATTYS H.M.
 THO2-PUO2 IRRADIATION STUDIES
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 KEYWORDS 3 6 7 11 23 W
 CATIONS O ANIONS O

800 FRESHLEY M.D. 1965-A
 PANISKO F.E. SKAVDAHL R.E.
 IRRADIATION OF UO2-PUO2 HIGH-POWER-DENSITY FUEL ELEMENTS IN
 PRTR
 TRANS. AMER. NUCL. SOC. 8 (1965) P.365-6 (NSA 20-2449)
 KEYWORDS 4 5 7 11 26 W
 CATIONS M ANIONS O

801 FRESHLEY M.D. 1966-A
 WHEELER R.G. BATCH J.M. HESSON G.M.
 INVESTIGATION OF THE COMBINED FAILURE OF PRESSURE TUBE AND
 DEFECTED FUEL ROD IN PRTR
 BNWL-272 (1966) 151P. (NSA 20-42675)
 KEYWORDS 1 2 3 6 7 11 12 W
 CATIONS M ANIONS O

802 FRESHLEY M.D. 1966-B
 PANISKO F.E. SKAVDAHL R.E.
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** 61 **

** 62 **

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CATIONS U Q ANIONS O ADDITIVES BE

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KEYWORDS 2 6 7 20
CATIONS T ANIONS O

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** 64 **

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CATIONS M ANIONS O

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KEYWORDS 2 6 11 15 30 W
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KEYWORDS 2 6 7 11 15 W
CATIONS M ANIONS O

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KEYWORDS 2 6 11 15 W
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KEYWORDS 2 6 11 14 W
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** 65 **

** 66 **

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- GILISSEN R. - SEE NR 779
- GINGERICH K.A. - SEE NR 81
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** 69 **

** 70 **

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** 71 **

** 72 **

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** 78 **

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** 81 **

** 82 **

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CATIONS M ANIONS O

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** 84 **

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CATIONS M ANIONS O

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** 86 **

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 KEYWORDS 1 3 29 W

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 KEYWORDS 1 3 29 W

1148 KAEMPF H. 1971-C
 COMPUTER PROGRAM SATURN 0
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 KEYWORDS 1 3 29 W

1149 KAEMPF H. 1971-D
 COMPUTER PROGRAM SATURN 1
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 CATIONS M ANIONS O

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 CATIONS M ANIONS O

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 CATIONS M ANIONS O

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 CATIONS M ANIONS O

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 CATIONS P X ANIONS O

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 CATIONS P ANIONS O

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 CATIONS M ANIONS O

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** 89 **

** 90 **

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** 91 **

** 92 **

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CATIONS U ANIONS O
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- KOMATSU J. - SEE NR 1171 1172 1581 2210
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** 93 **

** 94 **

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CATIONS U ANIONS O

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CATIONS M ANIONS O

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CATIONS M ANIONS O

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INFLUENCE OF HIGH TEMPERATURE AND ADDITIONS OF DIOXIDES OF
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DOKL. AKAD. NAUK SSSR 166 (1966) P.880-2 (NSA 20-34825)
KEYWORDS 2 6 7 16 22 23
CATIONS U T ANIONS O ADDITIVES ZR

KUMADA T. - SEE NR 1226 1227

KUMAGAI K. - SEE NR 1956

1256 KUMMERER K. 1971-A
STEHLE H. WEIDINGER H.G.
BEHAVIOR OF FUEL RODS AT HIGH BURNUP (IN GERMAN)
ATOMWIRT., ATOMTECH. 16 (1971) P.545-52 (NSA 26-8066)
KEYWORDS 2 3 6 7 11 15 26 30 W
CATIONS M ANIONS O

1257 KUMMERER K. 1971-B
DEPISCH F. ELBEL H. KAEMPF H.
THE SATURN CODES AND MATERIAL DATA EVALUATION
PROC. OF THE CONF. ON FAST REACTOR FUEL ELEMENT TECHNOLOGY
(1971) NEW ORLEANS P.211-25 (ED.) FARMAKES R. (CONF-710414)
(NSA 26-60544) (NSA 26-60553)
KEYWORDS 1 3 8 11 29 W
CATIONS M ANIONS O

1258 KURIHARA M. 1970-A
ABE J. FUKUSHIMA S. SASAYAMA T.
SHIMOKAWA J.
SOME ELECTRICAL PROPERTIES OF THE URANIUM-PLUTONIUM MIXED
OXIDES
PROC. 4TH INT. CONF. ON PLUTONIUM AND OTHER ACTINIDES (SANTA
FE), NUCLEAR METALLURGY VOL. 17 PART I (1970) P.84-94 (CONF-
701001-PT.1) (NSA 25-11991)
KEYWORDS 2 6 11 15 20
CATIONS M ANIONS O

1259 KURKA G. 1970-A
OBTAINING OF THERMAL GRADIENTS PRODUCED IN UO2 HEATED BY JOULE
EFFECT. OBSERVATIONS OF BASALTIC RECRYSTALLIZATION
J. NUCL. MATER. 37 (1970) P.133-8 (NSA 25-4847)
KEYWORDS 1 3 6 7 11 23

KVSETH N.J. - SEE NR 927

1260 LACKEY W.J. 1970-A
STUDIES OF GRAIN GROWTH
ORNL-4600 (1970) P.66-8 (NSA 25-8829) (NSA 25-8911)
KEYWORDS 4 6 7 12 23 W
CATIONS M ANIONS O

1261 LACKEY W.J. 1971-A
MICROSCOPY OF (U,PU)O2 FUELS
ORNL-4630 (1971) P.47-54 (NSA 25-29222) (NSA 25-29757)
KEYWORDS 3 6 7 12 23 W
CATIONS M ANIONS O

1262 LACKEY W.J. 1971-B
HOMAN F.J.
SENSITIVITY OF FUEL TEMPERATURES TO POROSITY DISTRIBUTION
ORNL-3416 (1971) P.27-33 (NSA 25-49576)
KEYWORDS 1 3 14 29 W

1263 LACKEY W.J. 1971-C
HOMAN F.J. KEGLEY T.M. JR.
RADIAL POROSITY DISTRIBUTION AND ITS INFLUENCE ON THE FUEL
TEMPERATURE PROFILE
ORNL-4770 (1971) P.57 (NSA 26-4905) (NSA 26-4990)
KEYWORDS 1 3 14 29 W
CATIONS M ANIONS O

1264 LACKEY W.J. 1971-D
HOMAN F.J. OLSEN A.R.
POROSITY AND ACTINIDE REDISTRIBUTION DURING IRRADIATION OF
(U,PU)O2
CONF-720420-3 (1971) 62P. (NSA 26-31395)
KEYWORDS 3 14 29 W
CATIONS M ANIONS O

1265 LACKEY W.J. 1972-A
HOMAN F.J. OLSEN A.R.
POROSITY AND ACTINIDE REDISTRIBUTION DURING IRRADIATION OF
(U,PU)O2
NUCL. TECHNOL. 16 (1972) P.120-42 (NSA 26-31395)
KEYWORDS 3 6 7 14 15 W
CATIONS M ANIONS O

1266 LACKEY W.J. 1972-B
HOMAN F.J. OLSEN A.R.
POROSITY, ACTINIDE, AND OXYGEN REDISTRIBUTION IN IRRADIATED
(U,PU)O2
ORNL-TM-3969 (1972) P.65-6 (NSA 27-725)
KEYWORDS 4 14 15 29 W
CATIONS M ANIONS O

1267 LACKEY W.J. 1972-C
HOMAN F.J. OLSEN A.R.
POROSITY, ACTINIDE, AND OXYGEN REDISTRIBUTION IN IRRADIATED
(U,PU)O2
ORNL-4820 (1972) P.65-6 (NSA 27-5611) (NSA 27-5649)
KEYWORDS 1 3 14 15 25
CATIONS M ANIONS O

LACKEY W.J. - SEE NR 1042 1043 1047 1048 1049 1052 1651
* - SEE NR 1652 1653

1268 LACOMBE P. 1970-A
ANION AND CATION DIFFUSION IN SOME TRANSITION METAL OXIDES
SCI. CERAM. 5 (1970) P.111-50 (CONF-690432) (NSA 25-8934)
KEYWORDS 2 6 15 20
CATIONS U ANIONS O

1269 LADY J.H. 1957-A
ADAMS R.E.
INFRARED SPECTRA OF URANIUM COMPOUNDS AND THE CHARACTERISTIC
FREQUENCIES OF THE URANYL ION
NP-9624 (1957) 36P. (TID-12755) (NSA 15-5481)
KEYWORDS 2 6 22
CATIONS U ANIONS O

1270 LAGEDROST J.F. 1968-A
ASKEY D.F. STORHOK V.W. GATES J.E.
THERMAL CONDUCTIVITY OF PUO2 AS DETERMINED FROM THERMAL
DIFFUSIVITY MEASUREMENTS
NUCL. APPL. 4 (1968) P.54-61 (NSA 22-11051)
KEYWORDS 2 6 7 11 14 W
CATIONS P ANIONS O

LAGEDROST J.F. - SEE NR 1998 1999

LALAK A. - SEE NR 52

** 95 **

** 96 **

- 1271 LALLEMENT R. 1967-A
PROPOSAL FOR A NEW DEFINITION OF A STANDARD CONDUCTIVITY
INTEGRAL OF UO₂-PUO₂ WITH 20 O/O PU (IN FRENCH)
NOTE TECHNIQUE SECRRU-34 (1967) CEA 8P.
KEYWORDS 1 2 7 11 15 W
CATIONS M ANIONS O
- LALLEMENT R. - SEE NR 595 596 597 677 1519 1520 2083
- LAMBERT J.D.B. - SEE NR 2121
- 1272 LAMBERTSON W.A. 1952-A
GUNZEL F.H. JR.
REFRACTORY OXIDE MELTING POINTS
AEC-3465 (1952) 4P. (NSA 7-564)
KEYWORDS 2 7 26
CATIONS U T ANIONS O
- 1273 LAMBERTSON W.A. 1953-A
MUELLER M.H.
URANIUM OXIDE PHASE EQUILIBRIUM SYSTEMS - I, UO₂-AL₂O₃
J. AMER. CERAM. SOC. 36 (1953) P.329-31 (NSA 6-3772) (NSA 7-
6438)
KEYWORDS 2 7 16 26
CATIONS U ANIONS O ADDITIVES AL
- 1274 LAMBERTSON W.A. 1953-B
MUELLER M.H.
URANIUM OXIDE PHASE EQUILIBRIUM SYSTEMS - II, UO₂-MGO
J. AMER. CERAM. SOC. 36 (1953) P.332-4 (NSA 7-6439)
KEYWORDS 2 7 16 26
CATIONS U ANIONS O ADDITIVES MG
- 1275 LAMBERTSON W.A. 1953-C
MUELLER M.H.
URANIUM OXIDE PHASE EQUILIBRIUM SYSTEMS - III, UO₂-ZRO₂
J. AMER. CERAM. SOC. 36 (1953) P.365-8 (NSA 8-1063)
KEYWORDS 2 7 16 26
CATIONS U ANIONS O ADDITIVES ZR
- 1276 LAMBERTSON W.A. 1953-D
MUELLER M.H. GUNZEL F.H. JR.
URANIUM OXIDE PHASE EQUILIBRIUM SYSTEMS - IV, UO₂-THO₂
J. AMER. CERAM. SOC. 36 (1953) P.397-399 (NSA 7-3087)
KEYWORDS 2 7 11 16 26
CATIONS U T ANIONS O
- 1277 LAMBERTSON W.A. 1953-E
MUELLER M.H. GUNZEL F.H. JR.
URANIUM OXIDE PHASE EQUILIBRIUM SYSTEMS, PART 4, UO₂-THO₂
AEC-3514 (1953) 9P. (NSA 7-3087)
KEYWORDS 2 7 11 16 26
CATIONS U T ANIONS O
- 1278 LAMBERTSON W.A. 1956-A
HANDWERK J.H.
THE FABRICATION AND PHYSICAL PROPERTIES OF URANIA BODIES
ANL-5053 (1956) P.22 (NSA 11-2221)
KEYWORDS 2 6 7 11 14 26 27 W
CATIONS U ANIONS O
- LANCHI M. - SEE NR 362 363 365 366
- LAND R. - SEE NR 411 413
- 1279 LANG S.M. 1956-A
KNUDSEN F.P.
SOME PHYSICAL PROPERTIES OF HIGH-DENSITY THORIUM DIOXIDE
J. AMER. CERAM. SOC. 39 (1956) P.415-24 (NSA 11-1858)
KEYWORDS 2 6 16 27
CATIONS T ANIONS O ADDITIVES CA
- 1280 LANG S.M. 1956-A
MECHANICAL PROPERTY DATA (ELASTIC CONSTANTS)
WAPD-PWR-PMM-491 (1956) P.144-6 (NSA 12-10510)
KEYWORDS 2 6 11 27 30
CATIONS U ANIONS O
- LANG S.M. - SEE NR 1225
- LANGFORD D. - SEE NR 1592
- LANNIN T.E. - SEE NR 998 1000
- LARSON J.R. - SEE NR 715
- 1281 LASKER M.F. 1966-A
RAPP R.A.
MIXED CONDUCTION IN THO₂ AND THO₂-Y₂O₃ SOLUTIONS
Z. PHYS. CHEM. (FRANKFURT) (1966) P.198-221 (NSA 20-29216)
KEYWORDS 2 6 15 16 20
CATIONS T ANIONS O ADDITIVES Y
- 1282 LASKIEWICZ R.A. 1971-A
EVANS S.K. MELDF G.F. BOHABOY P.E.
THERMAL CONDUCTIVITY OF URANIUM-PLUTONIUM OXIDE
GEAP-13733 (1971) 76P. (NSA 26-18117)
KEYWORDS 2 6 7 11 15 W
CATIONS M ANIONS O
- LAST G.A. - SEE NR 1955
- 1283 LATTA R.E. 1965-A
FRYXELL R.E.
DETERMINATION OF THE MELTING POINT OF UO₂+X
TRANS. AMER. NUCL. SOC. B (1965) P.375 (NSA 20-2390)
KEYWORDS 2 7 11 15 26
CATIONS U ANIONS O
- 1284 LATTA R.E. 1965-B
FRYXELL R.E.
DETERMINATION OF THE MELTING POINT OF UO₂+X (X=1.75 TO 2.00)
CONF-651101-89 (1965) 11P. (GE-TM-65-11-8) (NSA 21-24831)
KEYWORDS 2 7 11 15 26
CATIONS U ANIONS O
- 1285 LATTA R.E. 1969-A
SOLIDUS-LIQUIDUS TEMPERATURES OF URANIA
GEMP-1013 (1969) P.15-24 (NSA 24-14640) (NSA 24-14867)
KEYWORDS 2 7 11 15 26
CATIONS U ANIONS O
- 1286 LATTA R.E. 1969-B
FRYXELL R.E.
DETERMINATION OF SOLIDUS-LIQUIDUS TEMPERATURES IN THE UO₂+X
(X=1.50 TO 2.20)
GEMP-714 (1969) 38P. (NSA 25-27292)
KEYWORDS 2 7 15 26
CATIONS U ANIONS O
- 1287 LATTA R.E. 1969-C
FRYXELL R.E.
DETERMINATION OF SOLIDUS-LIQUIDUS TEMPERATURES IN THE UO₂+X
SYSTEM (1.95 TO 2.20)
GEMP-714 (1969) 38P. (NSA 25-27292)
KEYWORDS 2 7 15 26
CATIONS U ANIONS O
- 1288 LATTA R.E. 1969-D
DUDERSTADT E.C. FRYXELL R.E.
MELTING POINTS OF BEO, ZRO₂, AND UO₂-THO₂ SOLID SOLUTIONS
GEMP-724 (1969) P.6-8 (CONF-691228) (NSA 26-415)
KEYWORDS 2 7 26
CATIONS V ANIONS O
- 1289 LATTA R.E. 1970-A
FRYXELL R.E.
DETERMINATION OF SOLIDUS-LIQUIDUS TEMPERATURES IN THE UO₂+X
SYSTEM (X=1.50 TO 2.20)
J. NUCL. MATER. 35 (1970) P.195-210 (NSA 24-25790)
KEYWORDS 2 7 11 15 26
CATIONS U ANIONS O
- 1290 LATTA R.E. 1970-B
DUDERSTADT E.C. FRYXELL R.E.
SOLIDUS AND LIQUIDUS TEMPERATURES IN THE UO₂-THO₂ SYSTEM
J. NUCL. MATER. 35 (1970) P.347-9 (NSA 24-42250)
KEYWORDS 2 7 11 15 26
CATIONS V ANIONS O
- 1291 LATTA R.E. 1970-C
DUDERSTADT E.C. FRYXELL R.E.
SOLIDUS AND LIQUIDUS TEMPERATURES IN THE UO₂-THO₂ SYSTEM
GEMP-734 (1970) 7P. (NSA 24-27870)
KEYWORDS 2 7 11 15 26
CATIONS V ANIONS O
- LAUGER HACHE M. - SEE NR 1444
- LAUTHIER J.C. - SEE NR 1521
- 1292 LAVAUD B. 1966-A
RINGOT C. VIGNESDOUT N.
MEASUREMENT OF THE IN-PILE CORE TEMPERATURE OF AN EL-4 PENCIL
ELEMENT. FIRST CHARGE (CAN OF TYPE-347 STAINLESS STEEL, 0.4 MM
THICK, UO₂ FUEL, 11 MM DIAMETER). DETERMINATION OF THE
APPARENT THERMAL CONDUCTIVITY INTEGRAL OF IN-PILE UO₂ (IN
FRENCH)
CEA-R 3041 (1966) 58P. (NSA 21-14106)
KEYWORDS 3 6 7 11 W
CATIONS U ANIONS O
- LAVAUD B. - SEE NR 1964 2010 2011
- 1293 LAWRENCE L.A. 1969-A
CHRISTENSEN J.A.
MELTING HEAT RATING FOR UO₂-25 WT O/O PUO₂ FUELS
BNWL-1223 (1969) P.3.1-16 (NSA 24-12483) (NSA 24-12450)
KEYWORDS 1 3 6 7 11 23 26 W
CATIONS M ANIONS O
- 1294 LAWRENCE L.A. 1969-B
CHRISTENSEN J.A. HORN G.R.
MELTING HEAT RATING OF UO₂-25WT O/O PUO₂ FUELS
TRANS. AMER. NUCL. SOC. 12 (1969) P.562 (WHAN-SA-121) (NSA 24-
7126) (NSA 24-7393)
KEYWORDS 1 3 6 7 11 23 26 W
CATIONS M ANIONS O
- 1295 LAWRENCE L.A. 1970-A
HORN G.R. CHRISTENSEN J.A.
FUEL-CLAD GAP CONDUCTANCE IN FAST REACTOR OXIDE FUELS
TRANS. AMER. NUCL. SOC. 13 (1970) P.572-3 (NSA 25-5999)
KEYWORDS 3 6 8 11 W
CATIONS M ANIONS O
- 1296 LAWRENCE L.A. 1970-B
CHRISTENSEN J.A.
FUEL-CLAD GAP CLOSURE
BNWL-1349-2 (1970) P.3.1-3.14 (NSA 25-775)
KEYWORDS 3 6 8 W
CATIONS M ANIONS O
- 1297 LAWRENCE L.A. 1970-C
CHRISTENSEN J.A.
RESTRUCTURING EFFECTS ON MELTING HEAT RATING
BNWL-1349-2 (1970) P.3.15-3.17 (NSA 25-775)
KEYWORDS 3 6 7 11 23 26 W
CATIONS M ANIONS O

** 97 **

** 98 **

1298 LAWRENCE L.A. 1970-D
CHRISTENSEN J.A.
O/M EFFECTS ON MELTING HEAT RATING
BNWL-1349-2 (1970) P.3-17 (NSA 25-775)
KEYWORDS 3 6 7 15 26 W
CATIONS M ANIONS O

1299 LAWRENCE L.A. 1971-A
CHRISTENSEN J.A.
RESTRUCTURING EFFECTS ON OXIDE FUEL TEMPERATURE DISTRIBUTIONS
HEDL-SA-71 (1971) 12P. (CONF-710606-8) (NSA 25-45149)
KEYWORDS 3 8 11 23 W
CATIONS M ANIONS O

1300 LAWRENCE L.A. 1971-B
CHRISTENSEN J.A.
RESTRUCTURING EFFECTS ON OXIDE FUEL TEMPERATURE DISTRIBUTIONS
TRANS. AMER. NUCL. SOC. 14 (1971) P.146 (NSA 25-41420)
KEYWORDS 1 3 6 7 11 14 23

1301 LAWRENCE L.A. 1971-C
GIBBY R.L. CHRISTENSEN J.A. WEBER E.T.
FABRICATION EFFECTS ON THERMAL CONDUCTIVITY OF MIXED-OXIDE
FUELS
TRANS. AMER. NUCL. SOC. 14 (1971) P.588-99 (NSA 26-2620)
KEYWORDS 1 2 3 14 15 W
CATIONS M ANIONS O

1302 LAWRENCE L.A. 1971-D
CHRISTENSEN J.A.
MELTING HEAT RATING OF UO₂-25W O/O PUO₂ FUELS
NUCL. TECHNOL. 12 (1971) P.367-74 (NSA 25-60243)
KEYWORDS 1 3 6 7 11 23 26
CATIONS M ANIONS O

1303 LAWRENCE L.A. 1971-E
HORN G.R. CHRISTENSEN J.A. WEBER E.T.
EXPERIMENTAL MEASUREMENTS OF GAP CONDUCTANCE (12213)
WHAN-FR-50 (1971) P.7-33/7-40 (NSA 25-18180)
KEYWORDS 3 6 7 8 11 23 W
CATIONS M ANIONS O

1304 LAWRENCE L.A. 1971-F
CHRISTENSEN J.A. WEBER E.T.
RESTRUCTURING EFFECTS ON MELTING HEAT RATING
WHAN-FR-50 (1971) P.7-63/7-71 (NSA 25-18180)
KEYWORDS 3 4 6 7 11 23 26
CATIONS M ANIONS O

1305 LAWRENCE L.A. 1972-A
GIBBY R.L.
EFFECTS OF PORE STRUCTURE ON THE MELTING HEAT RATING OF OXIDE
FUELS
HEDL-TME-72-81 (1972) 41P. (NSA 26-45930)
KEYWORDS 1 3 14 15 26 W
CATIONS M ANIONS O

LAWRENCE L.A. - SEE NR 473 479 879

1306 LAWSON V.B. 1960-A
MACEWAN J.R.
THERMAL SIMULATION EXPERIMENTS WITH A UO₂ FUEL ROD ASSEMBLY
AECL-994 (CRFD-915) (1960) 25P. (NSA 14-15975)
KEYWORDS 2 3 6 7 11 23 W
CATIONS U ANIONS O

LAWSON V.B. - SEE NR 1415

1307 LAY K.W. 1970-A
OXYGEN CHEMICAL DIFFUSION COEFFICIENT OF URANIUM DIOXIDE
J. AMER. CERAM. SOC. 53 (1970) P.369-73 (NSA 24-42244)
KEYWORDS 2 6 7 11 20
CATIONS U ANIONS O

1308 LEARY H.J. JR. 1971-A
ROONEY T.A. CATER E.D. FRIEDRICH H.B.
THE INFRARED SPECTRA OF MATRIX ISOLATED UO AND UO₂
HIGH TEMP. SCI. 3 (1971) P.433-43 (NSA 26-5016)
KEYWORDS 2 6 15 22
CATIONS U ANIONS O

1309 LEARY J.A. 1964-A
MARAMAN W.J. MINER W.N. SCHONFELD F.W.
PROPERTIES OF MATERIALS
LAMS-3107 (1964) P.7-9 (NSA 18-36793)
KEYWORDS 2 6 17 27
CATIONS P ANIONS O

LEARY J.A. - SEE NR 260 1643 1645

LEBEDEV A.G. - SEE NR 2222 2223

1310 LEBEDEV I.G. 1970-A
SAMSONOV B.V. SPIRIDONOV Y.G.
FORMING THE STRUCTURE OF THE CORE OF FUEL ELEMENTS OF
VIRROPACKED POWDERED URANIUM DIOXIDE IN THE PROCESS OF
IRRADIATION (IN RUSSIAN)
RADIATIONNAYA FIZIKA TVERDOGO TELA I REAKTORNOYE
MATERIALOVEDENIYE (1970) P.171-8 (NSA 25-54289)
KEYWORDS 3 6 7 11 23 W
CATIONS U ANIONS O

1311 LEBEDEV I.G. 1971-B
SAMSONOV B.V. SPIRIDONOV Y.G.
FORMING THE STRUCTURE OF THE CORE OF FUEL ELEMENTS OF
VIRROPACKED POWDERED URANIUM DIOXIDE IN THE PROCESS OF
IRRADIATION
JPRS-53800 SOLID STATE RADIATION PHYSICS AND REACTOR MATERIALS
RESEARCH -USSR- (1971) P.205-14 (NSA 25-54289)
KEYWORDS 3 6 7 11 23 W
CATIONS U ANIONS O

1312 LEBLANC J.M. 1961-A
ANDRIESEN H.
THE USE OF PLUTONIUM AS A FUEL IN NUCLEAR REACTORS (IN FRENCH)
BN-6101-01 (1961) P.21-2 (NSA 18-14357)
KEYWORDS 2 6 11 27
CATIONS U ANIONS O

1313 LEBLANC J.M. 1961-B
ANDRIESEN H.
THE USE OF PLUTONIUM AS FUEL IN NUCLEAR REACTORS (IN FRENCH)
BN-6104-01 (1961) P.22-3
KEYWORDS 2 6 11 27
CATIONS U M ANIONS O

1314 LEBLANC J.M. 1961-C
ANDRIESEN H.
THE USE OF PLUTONIUM AS FUEL IN NUCLEAR REACTORS (IN FRENCH)
BN-6107-02 (1961) P.27
KEYWORDS 2 6 11 27
CATIONS P M ANIONS O

1315 LEBLANC J.M. 1961-D
ANDRIESEN H.
THE USE OF PLUTONIUM AS A FUEL IN NUCLEAR REACTORS
EURAC-79 (1961) P.21-2 (NSA 18-14357)
KEYWORDS 2 6 11 27
CATIONS U ANIONS O

1316 LEBLANC J.M. 1961-E
ANDRIESEN H.
PHYSICAL MEASUREMENTS
EURAC-130 (1961) P.18 (NSA 16-12653)
KEYWORDS 2 6 27
CATIONS M ANIONS O

1317 LEBLANC J.M. 1962-A
ANDRIESEN H.
RESEARCH ON THE THERMAL EXPANSION OF UO₂, PUO₂ AND UO₂-PUO₂
(IN FRENCH)
BN-6206-01 (1962) 33P. (NSA 17-11203)
KEYWORDS 2 6 9 11 15 27
CATIONS U P M ANIONS O

1318 LEBLANC J.M. 1962-B
ANDRIESEN H.
RESEARCH ON THE THERMAL EXPANSION OF UO₂, PUO₂, AND UO₂-PUO₂
EURAC-434 (1962) 33P. (NSA 17-11203)
KEYWORDS 2 6 9 11 15 27
CATIONS U P M ANIONS O

1319 LEBLANC J.M. 1965-A
STUDY OF HEAT TRANSFER WITHIN URANIUM OXIDE AND URANIUM
PLUTONIUM MIXED OXIDE FUEL RODS (IN FRENCH)
BN-6504-26 (1965) 22P.
KEYWORDS 2 3 6 7 11 W
CATIONS M ANIONS O

1320 LEBLANC J.M. 1965-B
IRRADIATION OF PLUTONIUM-ENRICHED CERAMIC FUEL RODS IN THE BR-
3 POWER REACTOR (IN FRENCH)
PROC. 3RD INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 10
(1965) GENEVA P.13-25 (A/CONF.28/P/443) (NSA 18-37751)
KEYWORDS 3 6 7 12 W
CATIONS M ANIONS O

LEBLANC J.M. - SEE NR 60 61 62 63 64 65 66
** - SEE NR 135 136 1349

1321 LECHLITER G.L. 1966-A
ANDERSON W.K.
SOME INPUT FUNCTIONS FOR COMPUTER DESCRIPTION OF FUEL
PROPERTIES. PART II. MECHANICAL PROPERTIES
KAPL-P-3174 (1966) 8P. (CONF-661001-31) (NSA 21-1940)
KEYWORDS 1 3 27 29 W

1322 LECHLITER G.L. 1966-B
ANDERSON W.K.
SOME INPUT FUNCTIONS FOR COMPUTER DESCRIPTION OF FUEL
PROPERTIES. PART II - MECHANICAL PROPERTIES
TRANS. AMER. NUCL. SOC. 9 (1966) P.376 (NSA 21-8164)
KEYWORDS 1 3 6 7 27 29 W
CATIONS M ANIONS O

LECHLITER G.L. - SEE NR 54 56 57 59 1229 1563

LECHLITER W. - SEE NR 1564

LECLERE J. - SEE NR 1521

1323 LEE I. 1968-A
WU M.
STUDY OF TRANSIENT TEMPERATURE DISTRIBUTIONS IN A CYLINDRICAL
FUEL ROD
HO TSU K' O HSUEH 6 (1968) P.1-20 (NSA 23-24034)
KEYWORDS 2 18 29 W

LEE J.A. - SEE NR 1503

1324 LEES E.A. 1967-A
POWER REACTOR HIGH PERFORMANCE PROGRAM
GEAP-5487 (EURAC-1860) (1967) 30P. (NSA 21-30143)
KEYWORDS 1 3 6 7 11 26 W
CATIONS M ANIONS O

LEES E.A. - SEE NR 78 1647

** 99 **

** 100 **

- 1325 LEGGETT R.D. 1969-A
FISH R.L. CULLEY G.E.
HYBRID COMPUTER SIMULATION OF FUEL PIN PERFORMANCE
TRANS. AMER. NUCL. SOC. 12 (1969) P.566-8 (NSA 24-7367)
KEYWORDS 3 23 24 29
CATIONS M ANIONS O
- 1326 LEGGETT R.D. 1970-A
PLUTONIUM FUELS FOR LMFBR - AN EXTRAPOLATION
WHAN-SA-51 (1970) 52P. (CONF-701001-15) (NSA 25-15367)
KEYWORDS 2 7 26 30
CATIONS M ANIONS O
- 1327 LEGGETT R.D. 1971-A
BAKER R.B. ADDISON L.E. DUTT D.S.
LODGE J.D. HARVEY R.A.
HYBRID COMPUTER SIMULATION OF GAP CONDUCTANCE
WHAN-FR-50 (1971) P.7-41/7-51 (NSA 25-18180)
KEYWORDS 3 8 11 29 W
CATIONS M ANIONS O
- 1328 LEGGETT R.D. 1971-B
BAKER R.B. ADDISON L.E. DUTT D.S.
LODGE J.D.
SIMULATION ON HYBRID COMPUTER
WHAN-FR-50 (1971) P.7-73/7-75 (NSA 25-18180)
KEYWORDS 1 3 6 7 11 29
CATIONS M ANIONS O
- 1329 LEGGETT R.D. 1972-A
BALLARD E.O. BAKER R.B. HORN G.R.
DUTT D.S.
LINEAR HEAT RATING FOR INCIPIENT FUEL MELTING IN UO₂-PUO₂
TRANS. AMER. NUCL. SOC. 15 (1972) P.752-3 (CONF-721109) (NSA
27-6940)
KEYWORDS 1 3 7 11 26 W
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- LEGGETT R.D. - SEE NR 147 548 549 551 1109
- LEHNING H. - SEE NR 818
- 1330 LEIRER C.O. 1971-A
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KEYWORDS 2 6 7 30
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- 1331 LEIBOWITZ L. 1967-A
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ANL-7375 (1967) P.153-4 (NSA 22-27397) (NSA 22-25441)
KEYWORDS 2 7 21 26
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- 1332 LEIBOWITZ L. 1968-A
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MATERIALS - HEAT CAPACITY OF LIQUID UO₂
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KEYWORDS 2 7 21 26
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- 1333 LEIBOWITZ L. 1969-A
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- 1334 LEIBOWITZ L. 1969-B
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HEATED CALORIMETRIC SYSTEM (ENTHALPY AND HEAT CAPACITY OF
URANIUM DIOXIDE)
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KEYWORDS 2 6 7 21
CATIONS U ANIONS O
- 1335 LEIBOWITZ L. 1970-A
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ENTHALPIES AND HEAT CAPACITIES BY DROP CALORIMETRY.
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CAPACITY OF URANIUM DIOXIDE)
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KEYWORDS 2 6 7 21
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- 1336 LEIBOWITZ L. 1971-A
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ENTHALPY OF LIQUID URANIUM DIOXIDE TO 3500K
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KEYWORDS 2 7 21 26
CATIONS U ANIONS O
- 1337 LEIBOWITZ L. 1971-B
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ENTHALPIES AND HEAT CAPACITIES BY DROP CALORIMETRY.
B. INDUCTION-HEATED DROP CALORIMETRIC SYSTEM (ENTHALPY AND HEAT
CAPACITY OF URANIUM DIOXIDE)
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- 1338 LEIBOWITZ L. 1971-C
GAPERNICK S.D. CHASANOV M.G. REEDY G.T.
FISCHER D.F.
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ANL-7800 (1971) P.279-82 (NSA 25-57069)
KEYWORDS 2 6 7 21 26
CATIONS U M ANIONS O
- 1339 LEIBOWITZ L. 1972-A
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ENTHALPY OF URANIUM-PLUTONIUM OXIDES (U(0.8)PU(0.2)O(1.97)
FROM 2350 TO 3000K
J. NUCL. MATER. 42 (1972) P.113-6 (NSA 26-9885)
KEYWORDS 2 7 21
CATIONS M ANIONS O
- 1340 LEIBOWITZ L. 1972-B
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B. INDUCTION-HEATED DROP-CALORIMETRIC SYSTEM
ANL-7920 (1972) P.12-3 (NSA 26-56577)
KEYWORDS 2 6 9 21
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- LEIBOWITZ L. - SEE NR 406 407 408 410 412 413 752
- 1341 LEITNAKER J.M. 1969-A
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- LEITZ F.J. - SEE NR 312 313 314 315 316
- 1342 LEPSCKY C. 1970-A
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- 1343 LEPSCKY C. 1972-A
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- LEROY G. - SEE NR 935
- 1344 LETOURNEAU B.W. 1955-A
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- 1345 LEWIS E.E. 1971-A
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- 1346 LEWIS W.B. 1957-A
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- 1347 LEYERS H.J. 1968-A
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- 1348 LHOST A. 1967-A
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KEYWORDS 3 6 7 11 W
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- 1349 LHOST A. 1967-B
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CATIONS M ANIONS O

** 101 **

** 102 **

1351 LHOST A. 1969-A
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UNDER HIGH SPECIFIC RATING IRRADIATION (IN FRENCH)
BN-6911-02 (EUR-4027) (1969) P.18 (NSA 24-34975)
KEYWORDS 1 3 6 7 11 W
CATIONS M ANIONS O

1352 LHOST A. 1969-B
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CATIONS M ANIONS O

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1353 LINARES R.C. 1967-A
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1355 LO R.K. 1970-A
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1356 LO R.K. 1970-A
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1357 LOCH L.D. 1960-A
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1358 LOEB A.L. 1953-A
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1359 LOEB A.L. 1954-A
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1361 LUBATTI E. 1966-A
PAPPALARDO S. MIRARCHI U.
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CATIONS U T ANIONS O C

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THERMAL CONDUCTIVITY OF URANIUM AND UO₂
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KEYWORDS 2 4 6 9 11 W
CATIONS U ANIONS O

1363 LUCKS C.F. 1958-B
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THERMAL CONDUCTIVITY OF URANIUM AND UO₂
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KEYWORDS 2 6 11 W
CATIONS U ANIONS O

1364 LUCKS C.F. 1958-C
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BMI-1301 (1958) P.7-8 (NSA 13-15343)
KEYWORDS 2 6 9 11 W
CATIONS U ANIONS O

1365 LUCKS C.F. 1958-D
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BMI-1286 (1958) P.8 (NSA 13-749)
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CATIONS U ANIONS O

1366 LUCKS C.F. 1959-A
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KEYWORDS 2 6 11 W
CATIONS U ANIONS O

1367 LUCKS C.F. 1959-B
DEEM H.W.
THERMAL CONDUCTIVITY OF URANIUM AND UO₂
BMI-1346 (1959) P.7-9 (NSA 13-21169)
KEYWORDS 4 9 11 W
CATIONS U ANIONS O

1368 LUCKS C.F. 1960-A
DEEM H.W.
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BMI-1448 (1960) P.J-1/4 (NSA 14-21883)
KEYWORDS 2 6 11 20 W
CATIONS U ANIONS O

1369 LUCKS C.F. 1960-B
DEEM H.W.
THERMAL CONDUCTIVITY AND ELECTRICAL CONDUCTIVITY OF UO₂
BMI-1480 (1960) P.J-1 (NSA 15-17243)
KEYWORDS 2 6 11 20 W
CATIONS U ANIONS O

1370 LUCKS C.F. 1960-C
DEEM H.W.
THERMAL CONDUCTIVITY AND ELECTRICAL CONDUCTIVITY OF UO₂
BMI-1455 (1960) P.J-1/J-2
KEYWORDS 2 6 11 20 W
CATIONS U ANIONS O

1371 LUCKS C.F. 1960-D
DEEM H.W.
THERMAL CONDUCTIVITY AND ELECTRICAL CONDUCTIVITY OF UO₂
BMI-1464 (1960) P.J-1
KEYWORDS 2 6 11 20 W
CATIONS U ANIONS O

1372 LUCKS C.F. 1961-B
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KEYWORDS 2 6 7 11 20 W
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KEYWORDS 2 5 6 11 15 16 W
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1374 LUSTMAN B. 1961-A
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CATIONS U ANIONS O ADDITIVES BE

1375 LUSTMAN B. 1961-B
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KEYWORDS 3 6 7 11 16 W
CATIONS U ANIONS O ADDITIVES ZR

** 103 **

** 104 **

LUSTMAN B. - SEE NR 228 230 270 271 489 490 491
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LYALIKOV A.S. - SEE NR 840

1376 LYNCH E.D. 1963-A
 REALS R.J.
 URANIA-THORIA BODIES
 ANL-6677 (1963) P.101-2/6 (NSA 17-41333)
 KEYWORDS 2 6 11 15 27
 CATIONS V ANIONS O

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1377 LYON W.L. 1965-A
 RAILY W.E.
 THE MELTING POINT OF PLUTONIA-URANIA MIXED-OXIDE FUELS
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 KEYWORDS 2 7 11 26
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1378 LYON W.L. 1965-B
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 CATIONS M ANIONS O

1379 LYON W.L. 1967-A
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 THERMAL EXPANSION
 TRANS. AMER. NUCL. SOC. 4 (1961) P.148-9 (NSA 15-21183)
 KEYWORDS 3 6 11 27
 CATIONS U ANIONS O

1381 LYONS M.F. 1962-A
 POYLE R.F. PASHOS T.J. STRALEY R.L.
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 PASHOS T.J.
 UO2 THERMAL CONDUCTIVITY AT ELEVATED TEMPERATURES
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 KEYWORDS 2 6 7 11 W
 CATIONS U ANIONS O

1383 LYONS M.F. 1963-B
 NELSON R.C. PASHOS T.J. WEIDENBAUM B.
 UO2 FUEL ROD OPERATION WITH GROSS CENTRAL MELTING
 TRANS. AMER. NUCL. SOC. 6 (1963) P.155-6 (NSA 17-36342) (NSA
 17-26177)
 KEYWORDS 3 6 7 11 26 W
 CATIONS U ANIONS O

1384 LYONS M.F. 1963-C
 NELSON R.C. PASHOS T.J. WILSON C.R.
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 KEYWORDS 1 3 6 7 11 26 27 W
 CATIONS U ANIONS O

1385 LYONS M.F. 1963-D
 COPLIN D.H. WEIDENBAUM B.
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 KEYWORDS 2 3 6 7 11 24 W
 CATIONS U ANIONS O

1386 LYONS M.F. 1963-E
 NELSON R.C. PASHOS T.J. WEIDENBAUM B.
 OPERATION OF COMPACTED-POWDER UO2 FUEL RODS WITH CENTRAL
 MELTING
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 KEYWORDS 3 12 26 W
 CATIONS U ANIONS O

1387 LYONS M.F. 1963-F
 STRALEY R.L. COPLIN D.H. WEIDENBAUM B.
 PASHOS T.J.
 UO2 THERMAL CONDUCTIVITY AT ELEVATED TEMPERATURES
 AED-CONF.1963-060-96 (1963) 6P. (CONF-39-88) (NSA 17-36291)
 KEYWORDS 2 6 7 11 W
 CATIONS U ANIONS O

1388 LYONS M.F. 1963-G
 NELSON R.C. PASHOS T.J. WEIDENBAUM B.
 UO2 FUEL ROD OPERATION WITH GROSS CENTRAL MELTING
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 KEYWORDS 3 6 7 11 26 W
 CATIONS U ANIONS O

1389 LYONS M.F. 1964-A
 UO2 PELLETT THERMAL CONDUCTIVITY FROM IRRADIATIONS WITH CENTRAL
 MELTING
 TRANS. AMER. NUCL. SOC. 7 (1964) P.106-7 (NSA 18-28071)
 KEYWORDS 3 6 7 11 26 W
 CATIONS U ANIONS O

1390 LYONS M.F. 1964-B
 COPLIN D.H. PASHOS T.J. WEIDENBAUM B.
 UO2 PELLETT THERMAL CONDUCTIVITY FROM IRRADIATIONS WITH CENTRAL
 MELTING
 GEAP-4624 (EURAE-1142) (1964) 38P. (NSA 18-34215)
 KEYWORDS 3 6 7 11 26 W
 CATIONS U ANIONS O

1391 LYONS M.F. 1964-C
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 GEAP-3771-14 (EURAE-1236) (1964) 76P. (NSA 19-8615)
 KEYWORDS 3 6 7 9 11 23 W
 CATIONS U ANIONS O

1392 LYONS M.F. 1964-D
 PASHOS T.J. WEIDENBAUM B. WILSON C.R.
 ZIMMERMAN D.L.
 MOLTEN UO2 FUEL ROD IRRADIATIONS TO HIGH BURNUP
 TRANS. AMER. NUCL. SOC. 7 (1964) P.411-2 (NSA 19-3594)
 KEYWORDS 3 7 11 26 W
 CATIONS U ANIONS O

1393 LYONS M.F. 1964-E
 WEIDENBAUM B. NELSON R.C. PASHOS T.J.
 WILSON C.R.
 UO2 FUEL CAPABILITY EXTENDED ABOVE MELTING POINT
 NUCLEONICS 22 NO.5 (1964) P.102 (NSA 18-21620)
 KEYWORDS 3 6 7 11 23 26 W
 CATIONS U ANIONS O

1394 LYONS M.F. 1965-A
 HIGH PERFORMANCE UO2 PROGRAM
 GEAP-3771-15 (EURAE-1312) (1965) 120P. (NSA 19-31519)
 KEYWORDS 3 6 7 9 11 23 W
 CATIONS U ANIONS O

1395 LYONS M.F. 1965-B
 HIGH PERFORMANCE UO2 PROGRAM
 GEAP-3771-16 (EURAE-1418) (1965) 89P. (NSA 19-42804)
 KEYWORDS 3 6 7 11 23 W
 CATIONS U ANIONS O

1396 LYONS M.F. 1965-C
 HIGH PERFORMANCE UO2 PROGRAM
 GEAP-3771-17 (EURAE-1512) (1965) 95P. (NSA 20-5914)
 KEYWORDS 3 6 7 11 23 W
 CATIONS U ANIONS O

1397 LYONS M.F. 1965-D
 HIGH PERFORMANCE UO2 PROGRAM
 GEAP-3771-18 (EURAE-1584) (1965) 60P. (NSA 20-23585)
 KEYWORDS 3 6 7 9 11 W
 CATIONS U ANIONS O

1398 LYONS M.F. 1965-E
 WEIDENBAUM B. HAUSNER H. PASHOS T.J.
 NEW EVIDENCE TO DELINEATE THE UO2 MOLTEN BOUNDARY
 TRANS. AMER. NUCL. SOC. 8 (1965) P.376-8 (NSA 20-2392)
 KEYWORDS 3 7 11 26 W
 CATIONS U ANIONS O

1399 LYONS M.F. 1966-A
 COPLIN D.H. HAUSNER H. WEIDENBAUM B.
 PASHOS T.J.
 UO2 POWDER AND PELLETT THERMAL CONDUCTIVITY DURING IRRADIATION
 GEAP-5100-1 (EURAE-1626) (1966) 76P. (NSA 20-39456)
 KEYWORDS 3 6 7 11 12 15 W
 CATIONS U ANIONS O

1400 LYONS M.F. 1966-B
 WILSON C.R. BOYLE R.F. PASHOS T.J.
 WEIDENBAUM B.
 HIGH PERFORMANCE UO2 PROGRAM
 GEAP-5100-2 (EURAE-1893) (1966) P.7-1/2 (NSA 22-16279)
 KEYWORDS 3 6 7 11 17 26 W
 CATIONS U ANIONS O

1401 LYONS M.F. 1970-A
 ROYLE R.F. DAVIES J.H. HAZEL V.E.
 ROWLAND T.C.
 UO2 PROPERTIES AFFECTING PERFORMANCE
 NP-19239 (1970) P.1-86 (NSA 26-23257) (NSA 26-27399)
 KEYWORDS 2 3 11 12 14 15 26 30 W
 CATIONS U ANIONS O

1402 LYONS M.F. 1972-A
 BOYLE R.F. DAVIES J.H. HAZEL V.E.
 ROWLAND T.C.
 UO2 PROPERTIES AFFECTING PERFORMANCE
 NUCL. ENG. DES. 21 (1972) P.167-99 (CONF-700858) (NSA 27-657)
 (NSA 27-1986)
 KEYWORDS 3 6 7 11 23 26 W
 CATIONS U ANIONS O

LYONS M.F. - SEE NR 78 510 511 512 513 514 978
 ** - SEE NR 1601 1602 1647 2133

1403 MA B.M. 1965-A
 TEMPERATURE DISTRIBUTIONS IN END CLOSURES OF ANNULAR FUEL
 ELEMENTS
 NUCL. STRUCT. ENG. 1 (1965) P.353-9 (NSA 19-29586)
 KEYWORDS 1 3 6 7 29 W
 CATIONS M ANIONS O

1404 MA B.M. 1965-B
 TEMPERATURE DISTRIBUTIONS IN END CAPS OF CYLINDRICAL REACTOR
 FUEL ELEMENTS
 NUCL. STRUCT. ENG. 1 (1965) P.259-64 (NSA 19-21674)
 KEYWORDS 1 3 29 W
 CATIONS U ANIONS O

** 105 **

** 106 **

1405 MA B.M. 1965-C
TRANSIENT TEMPERATURE DISTRIBUTIONS IN CYLINDRICAL FUEL-ELEMENT END CAPS
NUCL. STRUCT. ENG. 1 (1965) P.443-8 (NSA 19-30790)
KEYWORDS 1 3 18 29 W
CATIONS U ANIONS O

1406 MA B.M. 1966-A
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J. FRANKLIN INST. 282 (1966) P.9-19 (NSA 21-27840)
KEYWORDS 1 2 3 18 29 W

1407 MA B.M. 1966-B
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KEYWORDS 1 3 18 29 W
CATIONS U ANIONS O

1408 MA B.M. 1970-A
CHENG C.K.
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KEYWORDS 1 3 23 27 29 W
CATIONS M ANIONS O

1409 MA B.M. 1972-A
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PROC. OF THE FIRST INTERNAT. CONF. ON STRUCTURAL MECHANICS IN REACTOR TECHNOLOGY, BERLIN 20-4 SEPT. 1971 VOL.2 REACTOR CORE, PART C - FUEL AND CLADDING (1972) P.285-322 (ED.) JAEGER T.A. (EUR-4820-D-F-E)
KEYWORDS 1 3 27 29 W
CATIONS M ANIONS O

1410 MACDONALD R.D. 1962-A
RAIN A.S.
IRRADIATION OF ZIRCALOY-2 CLAD UO2 TO STUDY SHEATH DEFORMATION
AECL-1685 (CRFD-1125) (EXP-NRX-2807) (1962) P.8-9 (NSA 17-16735)
KEYWORDS 3 6 7 11 23 W
CATIONS U ANIONS O

1411 MACDONALD R.D. 1963-A
THE EFFECT OF TIO2 AND NB2O5 ADDITIONS ON THE IRRADIATION BEHAVIOUR OF SINTERED UO2
AFCL-1810 (CRFD-1012) (EXP-NRX-3008) (1963) 31P. (NSA 17-41490)
KEYWORDS 3 11 16 24 W
CATIONS U ANIONS O

1412 MACDONALD R.D. 1965-A
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KEYWORDS 3 6 7 11 23 W
CATIONS U ANIONS O

1413 MACEWAN J.R. 1961-A
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AECL-1184 (CRFD-999) (1961) 16P. (NSA 15-16044)
KEYWORDS 2 6 7 11 23
CATIONS U ANIONS O

1414 MACEWAN J.R. 1962-A
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KEYWORDS 2 6 7 11 23
CATIONS U ANIONS O

1415 MACEWAN J.R. 1962-B
LAWSON V.B.
GRAIN GROWTH IN SINTERED URANIUM DIOXIDE - II. COLUMNAR GRAIN GROWTH
J. AMER. CERAM. SOC. 45 (1962) P.42-6 (NSA 16-6745)
KEYWORDS 2 6 7 11 23
CATIONS U ANIONS O

1416 MACEWAN J.R. 1965-A
HARVEY A. NOTLEY M.J.F. MAKI H.
AN IN-PILE STUDY OF THE THERMAL CONDUCTIVITY AND ELECTRICAL PROPERTIES OF UO2 AND UO2-X
TRANS. AMER. NUCL. SOC. 8 (1965) P.380 (NSA 20-2452)
KEYWORDS 3 6 7 11 15 20 W
CATIONS U ANIONS O

1417 MACEWAN J.R. 1967-A
STOUTE R.L.
EFFECT OF IRRADIATION ON THE THERMAL CONDUCTIVITY OF UO2-X, UO2 AND UO2+X AT 60C
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KEYWORDS 3 6 11 15 17 W
CATIONS U ANIONS O

1418 MACEWAN J.R. 1967-B
STOUTE R.L. NOTLEY M.J.F.
EFFECT OF POROSITY ON THE THERMAL CONDUCTIVITY OF UO2
J. NUCL. MATER. 24 (1967) P.109-12 (NSA 22-2694)
KEYWORDS 2 6 11 14 W
CATIONS U ANIONS O

1419 MACEWAN J.R. 1967-C
HAYASHI J.
GRAIN GROWTH IN UO2 - III. SOME FACTORS INFLUENCING EQUIAXED GRAIN GROWTH
PROC. BRIT. CERAMIC SOC. 7 (1967) P.245-72 (NSA 21-20580)
KEYWORDS 2 3 5 6 11 23 W
CATIONS U ANIONS O

1420 MACEWAN J.R. 1968-A
STOUTE R.L.
ANNEALING OF IRRADIATION INDUCED THERMAL CONDUCTIVITY CHANGES IN THO2-1.3 WTO/O UO2
AMER. CERAM. SOC. BULL. 47 (1968) P.417 (ABSTRACT) (NSA 23-27205)
KEYWORDS 4 6 11 17 W
CATIONS V ANIONS O

1421 MACEWAN J.R. 1969-A
STOUTE R.L.
ANNEALING OF IRRADIATION-INDUCED THERMAL CONDUCTIVITY CHANGES IN THO2-1.3 WTO/O UO2
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KEYWORDS 4 6 11 17 W
CATIONS V ANIONS O

MACEWAN J.R. - SEE NR 1306 1631 1633 1790 1794 1795

1422 MACLEOD A.C. 1972-A
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J. CHEM. THERMODYN. 4 (1972) P.699-708 (NSA 26-59177)
KEYWORDS 2 6 21
CATIONS U ANIONS O

1423 MAGLIC K. 1970-A
HERAK R.
ENTHALPY AND HEAT CAPACITY OF TRIURANIUM OCTAOXIDE BETWEEN 273 AND 1000K
REV. INT. HAUTES TEMP. REFRACT. 7 (1970) P.247-51 (NSA 25-22176)
KEYWORDS 2 6 11 21
CATIONS U ANIONS O

MAHLMEISTER J.E. - SEE NR 1860

MAJANI C. - SEE NR 737

MAKI H. - SEE NR 1416

MAKIN S.M. - SEE NR 226

1424 MALANG S. 1969-A
RUST K.
FUEL RODS WITH INNER RIBS. A POSSIBILITY FOR LOWERING THE FISSIONABLE MATERIALS REQUIREMENTS IN FAST BREEDER REACTORS (IN GERMAN)
KFK-1118 (1969) 36P. (NSA 24-29013)
KEYWORDS 1 3 6 7 9 W
CATIONS M ANIONS O

1425 MALANG S. 1972-A
RUST K.
THERMAL SIMULATION OF FUEL RODS BY INDIRECTLY ELECTRICALLY HEATED RODS
EURFNR-1026 (1972) 47P. (NSA 27-6932)
KEYWORDS 1 3 6 9 W

1426 MALANG S. 1972-B
RUST K.
THERMAL SIMULATION OF FUEL RODS BY INDIRECTLY ELECTRICALLY HEATED RODS (IN GERMAN)
KFK-1587 (1972) 47P. (NSA 27-6932)
KEYWORDS 1 3 6 9 W

MALTSEVA L.F. - SEE NR 1457

1427 MANDLER R. 1968-A
STUDY OF PHYSICAL PROPERTIES
EURATOM COMMUNICATION NO.2172 (1968) JNRC - KARLSRUHE ESTAB. P.30-4
KEYWORDS 2 5 11 16 W
CATIONS U ANIONS O ADDITIVES CE

1428 MANDLER R. 1969-A
PHYSICAL PROPERTY MEASUREMENTS
EURATOM COMMUNICATION NO.2300 (1969) JNRC - KARLSRUHE ESTAB. P.23-6
KEYWORDS 2 5 11 W
CATIONS P T ANIONS O

1429 MANDLER R. 1969-B
ENERGY TRANSPORT
EURATOM COMMUNICATION NO.2434 (1969) JNRC - KARLSRUHE ESTAB. P.36-8
KEYWORDS 2 5 11 17 W
CATIONS M ANIONS O

MANES B. - SEE NR 1440

1430 MANES L. 1967-A
OPTICAL ABSORPTION
EURATOM COMMUNICATION NO.1522 (1967) JNRC - KARLSRUHE ESTAB. P.21-2
KEYWORDS 2 6 12 22
CATIONS P ANIONS O

1431 MANES L. 1968-A
BARISTICH A. BUIJS K.
SOME CONSIDERATIONS ON THE INFRARED ABSORPTION SPECTRUM OF PUO2 POWDERS AND SINTERED PELLETS
EUR-3739.E (1968) 24P. (NSA 22-19648)
KEYWORDS 2 6 11 12 22
CATIONS P ANIONS O

1432 MANES L. 1969-A
CENSI G.B.
OPTICAL PROPERTIES
EURATOM COMMUNICATION NO.2300 (1969) JNRC - KARLSRUHE ESTAB. P.31-3
KEYWORDS 2 6 13 20 22
CATIONS P ANIONS O

** 107 **

** 108 **

- 1433 MANES L. 1969-B
HEAT CAPACITY CALCULATIONS
EURATOM COMMUNICATION NO.2300 (1969) JNRC - KARLSRUHE ESTAB.
P.34-6
KEYWORDS 1 2 6 20 21
CATIONS U P T ANIONS O
- 1434 MANES L. 1969-C
ROCCHINI G.
SPECIFIC HEAT CALCULATIONS
EURATOM COMMUNICATION NO.2434 (1969) JNRC - KARLSRUHE ESTAB.
P.99-101
KEYWORDS 1 2 6 21
CATIONS P ANIONS O
- 1435 MANES L. 1969-D
CENSI G.B.
OPTICAL PROPERTIES OF PUO2 FILMS IN THE VISIBLE AND UV
EURATOM COMMUNICATION NO.2434 (1969) JNRC - KARLSRUHE ESTAB.
P.101-3
KEYWORDS 2 6 13 20 22
CATIONS P ANIONS O
- 1436 MANES L. 1970-A
NAEGELE J.
OPTICAL REFLECTION ON UO2
EURATOM COMMUNICATION NO.2664 (1970) JNRC - KARLSRUHE ESTAB.
P.118-20
KEYWORDS 2 6 10 22
CATIONS U ANIONS O
- 1437 MANES L. 1970-B
INFRARED PROPERTIES AND SPECIFIC HEAT OF PLUTONIUM DIOXIDE
PROC. 4TH INT. CONF. ON PLUTONIUM AND OTHER ACTINIDES (SANTA
FE). NUCLEAR METALLURGY VOL. 17 PART I (1970) P.254-63 (NSA
25-11996)
KEYWORDS 2 6 11 21 22
CATIONS P ANIONS O
- 1438 MANES L. 1970-C
CENSI G.B. NAEGELE J.
OPTICAL ABSORPTION ON STOICHIOMETRIC PUO2 IN THE VISIBLE AND
UNVISIBLE REGIONS
EURATOM COMMUNICATION NO.2576 (1970) JNRC - KARLSRUHE ESTAB.
P.88-90
KEYWORDS 2 6 13 20 22
CATIONS P ANIONS O
- 1439 MANES L. 1970-D
PARISICH A.
DIELECTRIC RESPONSE AND INFRARED SPECTRUM OF STOICHIOMETRIC
PLUTONIUM DIOXIDE BY OPTICAL REFLECTION AND ABSORPTION
SPECTROSCOPY
PHYS. STATUS SOLIDI 3 (1970) P.971-81 (NSA 25-11996)
KEYWORDS 2 6 11 12 20 21 22
CATIONS U P T ANIONS O
- 1440 MANES L. 1972-A
MANES B. CALIGARA F.
CALCULATIONS OF O/M IN A RADIAL TEMPERATURE GRADIENT
EURATOM COMMUNICATION NO.2874 (1972) JNRC - KARLSRUHE ESTAB.
P.48-51
KEYWORDS 1 15
CATIONS M ANIONS O
- 1441 MANES L. 1972-B
HOUGH B. BJIJS K.
INFRARED ABSORPTION OF AMO2 AND CMO2
EURATOM COMMUNICATION NO.2784 (1972) JNRC - KARLSRUHE ESTAB.
P.131-9
KEYWORDS 2 6 12 22
CATIONS X ANIONS O
- 1442 MANES L. 1972-C
NAEGELE J.
FAR ULTRA VIOLET OPTICAL MEASUREMENTS ON UO2.00 SINGLE
CRYSTALS
EURATOM COMMUNICATION NO.2939 (1972) JNRC - KARLSRUHE ESTAB.
P.130-3
KEYWORDS 1 2 6 22
CATIONS U ANIONS O
- 1443 MANES L. 1973-A
NAEGELE J.
OPTICAL PROPERTIES OF URANIUM OXIDES IN THE FAR ULTRA VIOLET
EURATOM COMMUNICATION NO.3014 (1973) JNRC - KARLSRUHE ESTAB.
P.113-5 (TUSR-14)
KEYWORDS 15 22
CATIONS U ANIONS O
- 1444 MANSARD B. 1970-A
LAUGER HACHE M.
THERMAL CONDUCTIVITY INSTALLATION FOR IRRADIATED SOLIDS (IN
FRENCH)
CEA-N-1303 (1970) 27P. (NSA 24-41637)
KEYWORDS 4 6 9 W
- MANTHOS E.J. - SEE NR 527 528 530
- MARAMAN W.J. - SEE NR 1309
- 1445 MARCHANDISE H. 1968-A
IN-PILE THERMAL EXPANSION OF URANIUM DIOXIDE - TENTATIVE
SYNTHESIS (IN FRENCH)
EUR-4033.1 (1968) 62P. (NSA 23-2131)
KEYWORDS 3 6 7 11 27 30
CATIONS U ANIONS O
- 1446 MARCHANDISE H. 1970-A
THERMAL CONDUCTIVITY OF URANIUM DIOXIDE (IN FRENCH)
EUR-4568.F (1970) 158P. (NSA 25-13749)
KEYWORDS 2 3 6 7 10 11 14 15 17 30 W
CATIONS U ANIONS O
- 1447 MARCHIDAN D.I. 1970-A
CIOPEC M.
HIGH TEMPERATURE ENTHALPY AND RELATED THERMODYNAMIC FUNCTIONS
OF SOME MATERIALS FROM THE URANIUM-OXYGEN SYSTEM
REV. ROUM. CHIM. 15 (1970) P.1287-1301 (NSA 25-16579)
KEYWORDS 2 6 12 15 21
CATIONS U ANIONS O
- 1448 MARCHIDAN D.I. 1971-A
CIOPEC M.
HIGH TEMPERATURE ENTHALPY AND RELATED THERMODYNAMIC FUNCTION
OF UO(2+X)
REV. ROUM. CHIM. 16 (1971) P.1145-54 (NSA 26-9881)
KEYWORDS 2 6 21
CATIONS U ANIONS O
- 1449 MARCHIDAN D.I. 1972-A
CIOPEC M.
HIGH TEMPERATURE ENTHALPY AND RELATED THERMODYNAMIC FUNCTIONS
OF NON-STOICHIOMETRIC URANIUM OXIDES
REV. ROUM. CHIM. 17 (1972) P.1657-67 (NSA 27-2905)
KEYWORDS 2 6 15 21
CATIONS U ANIONS O
- 1450 MARCHIDAN D.I. 1972-B
MATEI S.
THERMODYNAMIC DATA FOR SOME URANIUM OXIDES WITH
NONSTOICHIOMETRIC COMPOSITIONS
REV. ROUM. CHIM. 17 (1972) P.1487-91 (NSA 27-12407)
KEYWORDS 2 6 15 21
CATIONS U ANIONS O
- MARCON J.P. - SEE NR 19 20
- 1451 MARDON P.G. 1957-A
WALDRON M.B.
AN ESTIMATION OF THE COEFFICIENT OF THERMAL EXPANSION OF PUO2
BETWEEN 0 AND 500C
AERE-M/M 171 (1957) 6P. (NSA 12-2843)
KEYWORDS 2 6 12 27
CATIONS P ANIONS O
- MARGRAVE J.L. - SEE NR 684
- 1452 MARINO G.P. 1969-A
RADIATION TRANSFER ACROSS A SPHERICAL PORE IN A LINEAR
TEMPERATURE GRADIENT
WAPD-TM-777 (1969) 12P. (NSA 23-21885)
KEYWORDS 1 6 7 14 22 W
- 1453 MARINO G.P. 1969-B
RADIATION TRANSFER ACROSS A SPHERICAL PORE IN A LINEAR
TEMPERATURE GRADIENT
TRANS. MET. SOC. AIME 245 (1969) P.821-3 (NSA 23-24375)
KEYWORDS 1 6 7 14 22 W
- 1454 MARINO G.P. 1970-A
THE POROSITY CORRECTION FACTOR FOR THE THERMAL CONDUCTIVITY OF
POROUS MATERIALS
WAPD-TM-807 (1970) 45P. (NSA 24-27828)
KEYWORDS 1 2 6 7 14 W
CATIONS U ANIONS O
- 1455 MARINO G.P. 1971-A
THE POROSITY CORRECTION FACTOR FOR THE THERMAL CONDUCTIVITY OF
CERAMIC FUELS
J. NUCL. MATER. 38 (1971) P.178-90 (NSA 25-16591)
KEYWORDS 1 2 6 7 14 W
CATIONS U T V ANIONS O
- MARION F. - SEE NR 678 679 680 681
- MARKIN T.L. - SEE NR 1735 1736
- MARKLEY R.A. - SEE NR 370 371 372 373
- MARLEY J. - SEE NR 1080
- 1456 MARLOWE M.O. 1969-A
KAZNOFF A.I.
ELASTIC BEHAVIOR OF URANIUM DIOXIDE
CERAMIC NUCLEAR FUELS (1969) P.90-9 (EDS.) KRUGER O.L.,
KAZNOFF A.I., (NSA 24-10169) (NSA 24-10134)
KEYWORDS 2 6 11 21 27
CATIONS U ANIONS O
- 1457 MARMER E.N. 1971-A
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25-42853)
KEYWORDS 2 6 20 30
CATIONS T ANIONS O
- 1458 MARR W.W. 1971-A
FUEL PELLETT ECCENTRICITY IN LMFBF FUEL PINS
TRANS. AMER. NUCL. SOC. 14 (1971) P.144-5 (NSA 25-41419)
KEYWORDS 1 3 6 7 8 29 W
CATIONS M ANIONS O C
- 1459 MARR W.W. 1971-B
THOMPSON D.H.
PREDICTION OF FUEL MELTING IN AN LMFBF FUEL ELEMENT
TRANS. AMER. NUCL. SOC. 14 (1971) P.150-2 (NSA 25-41422)
KEYWORDS 1 3 7 11 26 29
CATIONS M ANIONS O

** 109 **

** 110 **

MARR W.W. - SEE NR 2045

1460 MARS D. 1967-A
FUEL TEMPERATURE MODEL STUDY
BAW-1312 (1967) P.3,33-9 (NSA 22-9990)
KEYWORDS 1 3 29 W
CATIONS M ANIONS O

MARSEL J. - SEE NR 50

1461 MARTIN W.R. 1961-A
WEIR J.R.
A DEVICE TO SIMULATE THE SERVICE THERMAL CONDITIONS IN EGCR-
TYPE FUEL ELEMENTS
ORNL-3032 (1961) 20P. (NSA 15-8350)
KEYWORDS 2 3 6 7 9 W
CATIONS U ANIONS O

1462 MARTIN W.R. 1961-B
WEIR J.R.
DIMENSIONAL BEHAVIOR OF THE EXPERIMENTAL GAS-COOLED REACTOR
FUEL ELEMENT AT ELEVATED TEMPERATURES
ORNL-3103 (1961) 48P. (NSA 15-27077)
KEYWORDS 3 6 7 11 27 W
CATIONS U ANIONS O

1463 MASSIMO L. 1969-A
SCHMID U.A.
STATISTICAL TEMPERATURE DISTRIBUTION CALCULATION IN PEBBLE-BED
REACTORS
NUCL. ENG. DFS. 19 (1969) P.367-72 (NSA 24-11323)
KEYWORDS 1 3 6 W
CATIONS U K ANIONS O C

MASUYAMA S. - SEE NR 1856 2209

MATEI S. - SEE NR 1450

MATHERN F. - SEE NR 601

MATHERN J.P. - SEE NR 400 1726

MATHESON M.S. - SEE NR 2118

MATHEWS M.D. - SEE NR 1529

1464 MATOLICH J. JR. 1970-A
STORHOK V.W.
THERMAL DIFFUSIVITY MEASUREMENTS OF IRRADIATED OXIDE FUELS
(LWRR DEVELOPMENT PROGRAM)
RMI-X-10274 (1970) 52P. (NSA 25-29937)
KEYWORDS 4 6 11 15 W
CATIONS U T ANIONS O

MATOLICH J. JR. - SEE NR 568 610 611 612 614 616 618
- SEE NR 699

MATSUI H. - SEE NR 1232 2028

1465 MATSUMOTO K. 1969-A
HAYASHI H. ITAKI T. YOSHIOKA K.
POST-IRRADIATION EXAMINATION AND ANALYSIS OF PUO2-UO2 FUEL
SPECIMENS FOR THE SCREENING IRRADIATION TESTING IN GETR
PNCPU-REPORT-040 VOL.5 (1969) P.56-95 (JAPFNR-6) (PNCI-9005)
(NSA 24-23540)
KEYWORDS 1 3 8 W
CATIONS M ANIONS O

MATSUMOTO K. - SEE NR 986 1155 1156 1171 1172 1228 1235
- SEE NR 1581 1855 2209

MATSUSHIMA H. - SEE NR 1235

1466 MATTHEWS J.R. 1970-A
THE CALCULATION OF STRESS IN FAST REACTOR FUEL ELEMENTS
FAST REACTOR FUEL AND FUEL ELEMENTS (1970) P.17-28 (EDS.)
DALLE DONNE M., KUMMERER K., SCHROETER K., (CONF-700920) (NSA
25-48354) (NSA 25-48353)
KEYWORDS 1 3 27 29

1467 MATTYS H.M. 1966-A
THERMAL CONDUCTIVITY MEASUREMENTS ON URANIUM- AND URANIUM-
PLUTONIUM-OXIDE
CERAMIC FUEL MEETING, (BRUSSELS) FEB. 28-MARCH 2 (1966) P.84-5
(ED.) FERNET P.
KEYWORDS 2 6 11 W
CATIONS U M ANIONS O

1468 MATTYS H.M. 1967-A
DEVELOPMENT OF FUELS FOR FAST NEUTRON POWER REACTORS IN THE
EUROPEAN INSTITUTE FOR TRANSURANIUM ELEMENTS (IN FRENCH)
NEUE TECHNIK 86 (1967) P.231-6
KEYWORDS 2 6 7 11 15 W
CATIONS M ANIONS O

1469 MATTYS H.M. 1968-A
PLUTONIUM OXIDE AS NUCLEAR FUEL
ACTINIDES REVIEWS 1 (1968) P.165-82 (NSA 22-43663)
KEYWORDS 2 6 11 30 W
CATIONS M ANIONS O

1470 MATTYS H.M. 1968-B
THE HEAT CONDUCTIVITY OF URANIUM PLUTONIUM MIXED OXIDES
NUCLEAR METALLURGY VOL. 13 (1968) P.291-2 (NSA 23-10276) (NSA
23-10155)
KEYWORDS 2 6 7 11 15 30 W
CATIONS M ANIONS O

1471 MATTYS H.M. 1968-C
PLUTONIUM TOMORROW'S FUEL
EURATOM REV. 7 (1968) P.2-9 (NSA 22-30200)
KEYWORDS 2 6 11 30 W
CATIONS M ANIONS O

MATTYS H.M. - SEE NR 793 794 799 808

1472 MATZKE H. 1964-A
LINDNER R.
CHARACTERISTICS AND BEHAVIOR OF HIGH TEMPERATURE NUCLEAR FUELS
(IN GERMAN)
ATOMKERNENERGIE 9 (1964) P.2-46 (NSA 18-15501)
KEYWORDS 2 6 7 11 30 W
CATIONS U ANIONS O

MAXIM I. - SEE NR 31

1473 MAY J.E. 1962-A
NOTLEY M.J.F. STOUTE R.L. ROBERTSON J.A.L.
OBSERVATIONS ON THE THERMAL CONDUCTIVITY OF URANIUM OXIDE
AECL-1641 (1962) 17P. (NSA 17-2937)
KEYWORDS 2 3 6 7 10 11 15 W
CATIONS U ANIONS O

1474 MAY J.E. 1962-B
NOTLEY M.J.F. STOUTE R.L. ROBERTSON J.A.L.
OBSERVATIONS ON THE THERMAL CONDUCTIVITY OF URANIUM OXIDE
TRANS. AMER. NUCL. SOC. 5 (1962) P.473 (NSA 17-3886)
KEYWORDS 2 3 6 7 10 11 15 W
CATIONS U ANIONS O

1475 MAY J.E. 1965-A
STOUTE R.L.
OBSERVATIONS ON THE THERMAL CONDUCTIVITIES OF CERTAIN
PARTIALLY-REDUCED CERAMIC OXIDES
AECL-2169 (1965) 49P. (NSA 19-18448)
KEYWORDS 2 6 11 15 W
CATIONS U ANIONS O

MAY J.E. - SEE NR 125

MAYAK U.P. - SEE NR 253

MAYER H. - SEE NR 654

MAYHAN S.J. - SEE NR 207

MCCARE E.A. - SEE NR 259

MCCARDELL R.K. - SEE NR 1072

1476 MCCAULEY J.E. 1969-A
OBSERVATIONS ON THE IRRADIATION BEHAVIOR OF A ZIRCALOY-4 CLAD
ROD CONTAINING LOW DENSITY THO2-5.3 WT O/O UO2 PELLETS (LWRR
DEVELOPMENT PROGRAM)
WAPP-TM-664 (1969) 60P. (NSA 24-12488)
KEYWORDS 1 3 4 6 7 11 23 W
CATIONS V ANIONS O

1477 MCCAULEY J.E. 1970-A
IRRADIATION-INDUCED STRUCTURAL CHANGES OBTAINED IN THO2-UO2
FUEL (LWRR DEVELOPMENT PROGRAM)
TRANS. AMER. NUCL. SOC. 13 (1970) P.35-6 (NSA 24-33313)
KEYWORDS 3 6 7 11 23 W
CATIONS V ANIONS O

1478 MCCLINTOCK D.R. 1964-A
KUBIT C.J.
FABRICATION AND IRRADIATION OF STAINLESS-STEEL-CLAD UO2 FUEL
RODS. (THE LRD IN-PILE CHEMICAL SHIM LOOP EXPERIMENT)
WCAP-3734 (1964) P.28-34/42-58/65-9 (NSA 18-37764)
KEYWORDS 3 7 11 W
CATIONS U ANIONS O

MCCORMICK N.J. - SEE NR 2007

1479 MCCREIGHT L.R. 1952-A
THERMAL CONDUCTIVITY DATA FOR SOME NUCLEAR FUELS
TID-10062 (1952) 19P. (NSA 12-947)
KEYWORDS 2 6 11 16 30 W
CATIONS U ANIONS O ADDITIVES BE MG

1480 MCCREIGHT L.R. 1952-B
THERMAL CONDUCTIVITY DATA FOR SOME NUCLEAR FUELS
KAPL-822 (1952) 33P. (NSA 12-947)
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES BE MG

1481 MCCREIGHT L.R. 1952-C
THERMAL EXPANSION MEASUREMENTS OF SIX FUEL MATERIALS
KAPL-M-LRM-7 (1952) 10P. (NSA 11-9743)
KEYWORDS 2 6 16 27
CATIONS U ANIONS O ADDITIVES BE MG

1482 MCELROY D.L. 1960-A
KOLLIE T.G.
PHYSICAL PROPERTIES
ORNL-2988 (1960) P.149-52 (NSA 15-532)
KEYWORDS 2 6 9 W
CATIONS U ANIONS O

1483 MCELROY D.L. 1961-A
KOLLIE T.G.
PHYSICAL PROPERTIES STUDIES - THERMAL COMPARATOR APPARATUS -
RADIAL HEAT FLOW APPARATUS - RELATED PROJECTS
ORNL-3160 (1961) P.35-8 (NSA 15-29716)
KEYWORDS 2 6 9 W
CATIONS U ANIONS O

** 111 **

** 112 **

1484 MCELROY D.L. 1962-A
KOLLIE T.G. FULKERSON W. GODFREY T.G.
PROGRESS REPORT ON THERMAL CONDUCTIVITY MEASUREMENTS AT THE
OAK RIDGE NATIONAL LABORATORY
PROC. 2ND CONF. ON THERMAL CONDUCTIVITY (1962) OTTAWA P.17-29
KEYWORDS 2 6 11 12 W
CATIONS U ANIONS O

1485 MCELROY D.L. 1963-A
KOLLIE T.G. FULKERSON W.
PHYSICAL PROPERTY STUDIES
ORNL-3470 (1963) P.27-9 (NSA 18-4248) (NSA 18-4170)
KEYWORDS 2 6 9 11 W
CATIONS U ANIONS O

1486 MCELROY D.L. 1966-A
THERMAL CONDUCTIVITY CALCULATIONS
ORNL-3970 (1966) P.229 (NSA 21-13127) (NSA 21-13095)
KEYWORDS 2 12 W
CATIONS P ANIONS O

1487 MCELROY D.L. 1969-A
MOORE J.P.
RADIAL HEAT FLOW METHODS FOR THE MEASUREMENT OF THE THERMAL
CONDUCTIVITY OF SOLIDS
THERMAL CONDUCTIVITY VOL. 1 (ED.) TYE R.P. (1969) P.185-239
KEYWORDS 2 6 7 9 30 W
CATIONS U ANIONS O

1488 MCELROY D.L. 1969-B
WILLIAMS R.K. BANKS T.E.
FUEL-CLADDING THERMAL CONDUCTANCE
ORNL-4350 (1969) P.56-62 (NSA 23-20534) (NSA 23-20536)
KEYWORDS 2 6 8 11 W
CATIONS M ANIONS O

1489 MCELROY D.L. 1969-C
THERMAL CONDUCTIVITY OF UO2 AT LOW TEMPERATURES
ORNL-4420 (1969) P.14/16 (NSA 23-48315) (NSA 23-48502)
KEYWORDS 2 5 10 11 W
CATIONS U ANIONS O

1490 MCELROY D.L. 1970-A
MOORE J.P. SPINDLER P.H.
THERMAL CONDUCTIVITY
ORNL-4570 (1970) P.52 (NSA 25-2768) (NSA 25-2601)
KEYWORDS 2 5 6 7 11 22 W
CATIONS U M ANIONS O

MCELROY D.L. - SEE NR 835 837 838 893 894 895 896
** - SEE NR 897 898 899 900 901 902 903
** - SEE NR 904 905 906 922 923 1237 1238
** - SEE NR 1239 1240 1241 1546 1548 1549 1550
** - SEE NR 1551 1552 1553 1554

MCFARLANE D.R. - SEE NR 397

1491 MCGILL I.S. 1961-A
THE DISTRIBUTION OF FLUX AND TEMPERATURE IN THERMAL REACTOR
FUEL RODS
DEG-319 (D) (1961) 28P. (NSA 15-25583)
KEYWORDS 1 3 6 7 11 29 W
CATIONS U ANIONS O

1492 MCGINLEY C.E. 1971-A
HANCOCK P.
THE EFFECT OF MEASURING FREQUENCY ON THE ELECTRICAL
CONDUCTIVITY OF THORIA BASED OXIDES AT HIGH TEMPERATURE
J. MATER. SCI. 6 (1971) P.260-1 (NSA 25-40797)
KEYWORDS 2 6 11 20
CATIONS T ANIONS O

MCGOWAN R.D. - SEE NR 327

MCGURN J. - SEE NR 433 434

MCINTOSH J.E. - SEE NR 1744 1745

MCNEAL N.A. - SEE NR 397 1356

1493 MCNEILLY C.E. 1962-A
ELECTRICAL PROPERTIES OF PLUTONIUM OXIDES
HW-75120 (1962) 20P. (NSA 17-8805)
KEYWORDS 2 6 11 15 20
CATIONS P ANIONS O

1494 MCNEILLY C.E. 1964-A
THE ELECTRICAL PROPERTIES OF PLUTONIUM OXIDES
J. NUCL. MATER. 11 (1964) P.53-8 (NSA 17-8805)
KEYWORDS 2 6 11 15 20
CATIONS P ANIONS O

1495 MCNEILLY C.E. 1966-A
THE REQ-UO2-PUO2 SYSTEM
BNWL-CC-821 (1966) P.4.18-4.19 (NSA 21-46964)
KEYWORDS 2 7 15 16 26
CATIONS M ANIONS O ADDITIVES BE

MCNEILLY C.E. - SEE NR 211 429 432 875

1496 MCNELLY M.J. 1964-A
LIQUID METAL FAST BREEDER REACTOR DESIGN STUDY
GEAP-4418 VOL.1 (1964) P.2.36-41 (NSA 18-29038)
KEYWORDS 1 3 6 7 11 W
CATIONS M ANIONS O

1497 MCNELLY M.J. 1964-B
LIQUID METAL FAST BREEDER REACTOR DESIGN STUDY (1000 MWE UO2-
PUO2 FUELED PLANT). - SECT. 3.4.6 TEMPERATURE AND SPECIFIC
POWER
GEAP-4418 VOL.II (1964) P.3-126/3-133 (NSA 18-29039)
KEYWORDS 3 18 26 W

1498 MCPARTLAND J.O. 1963-A
SKAVDAHL R.E.
THERMAL DIFFUSIVITY MEASUREMENTS
HW-76301 (1963) P.2.34 (NSA 17-36196) (NSA 17-36195)
KEYWORDS 2 6 7 9 10 11 W
CATIONS U ANIONS O

MCPARTLAND J.O. - SEE NR 178 181 183

1499 MEADOWS R.E. 1959-A
THURBER W.C.
FEASIBILITY STUDY - USE OF SMALL-DIAMETER WIRES IN UO2 PELLETS
FOR IN-PILE TEMPERATURE MONITORING
CF-59-10-7 (1959) 55P. (NSA 14-22525)
KEYWORDS 3 6 7 9 11
CATIONS U ANIONS O

MEHROTRA A.K. - SEE NR 2020

1500 MEIER S. 1971-A
WOLF L.
STEADY STATE, TWO-DIMENSIONAL TEMPERATURE DISTRIBUTIONS IN A
SINGLE FUEL ELEMENT PELLET AND ADJACENT CLADDING DUE TO AXIAL
VARYING HEAT TRANSFER COEFFICIENTS
ATOMKERNENERGIE 17 (1971) P.73-4 (NSA 25-18589)
KEYWORDS 1 3 8 29 W

MEIERAN H.B. - SEE NR 571

MELDE G.F. - SEE NR 1282

1501 MELEHAN J.B. 1962-A
ROUGH F.A. KANGILASKI M.
URANIUM OXIDES
BMI-1598 (1962) P.62-98 (ED.) ENDEBROCK R.W. (NSA 17-5575)
KEYWORDS 2 6 7 14 20 26 27 30 W
CATIONS U ANIONS O

1502 MELEHAN J.B. 1963-A
STORHIK V.W. BURIAN R.J. KANGILASKI M.
WULLAERT R.A.
THE EFFECT OF NUCLEAR RADIATION ON CERAMIC REACTOR-FUEL
MATERIALS
REIC-27 (1963) P.11-20/37-44 (NSA 18-2297)
KEYWORDS 2 4 6 10 11 20 30 W
CATIONS U ANIONS O

1503 MENDELSSOHN K. 1967-A
KING E. LEE J.A. RAND M.H.
GRIFFIN C.S. STREET R.S.
SELF IRRADIATION DAMAGE IN TRANSPARENT ELEMENTS AND COMPOUNDS
PROC. 3RD INT. CONF. ON PLUTONIUM (LONDON), PLUTONIUM 1965
(1967) P.189-204 (EDS.) KAY A.E., WALDRON M.B., (NSA 21-32937)
(NSA 21-32820)
KEYWORDS 2 6 11 17 20 27
CATIONS P X ANIONS O

1504 MERCKX K.R. 1969-A
MODELS FOR REACTOR FUEL ELEMENTS WHICH CONSIDER VOID
DEPLOYMENT
NUCL. ENG. DES. 9 (1969) P.15-28 (NSA 23-24039)
KEYWORDS 1 3 24 25 29
CATIONS M ANIONS O

1505 MERCKX K.R. 1970-A
FOX G.L.
SINTER - A PROGRAM FOR CALCULATING RADIAL TEMPERATURE
DISTRIBUTIONS IN OXIDE FUEL PINS UNDERGOING SINTERING
BNWL-1241 (1970) 19P. (NSA 24-12453)
KEYWORDS 1 3 29 W
CATIONS U ANIONS O

MESERVEY R.H. - SEE NR 73

1506 MESNARD G. 1951-A
UZAN R.
ON THE CONDUCTIVITY AND OTHER ELECTRICAL PROPERTIES OF THORIA
IN VACUUM (IN FRENCH)
LE VIDE 6 NO.34-35 (1951) P.1052-62
KEYWORDS 2 6 11 20
CATIONS T ANIONS O

1507 MESNARD G. 1951-B
UZAN R.
ON THE CONDUCTIVITY AND OTHER ELECTRICAL PROPERTIES OF THORIA
IN VACUUM (IN FRENCH)
LE VIDE 6 NO.36 (1951) P.1091-7
KEYWORDS 2 6 11 15 20
CATIONS T ANIONS O

1508 MESNARD G. 1951-C
SEMICONDUCTING PROPERTIES OF THORIUM OXIDE UNDER VACUUM (IN
FRENCH)
COMPT. REND. ACAD. SCI. (PARIS) 232 (1951) P.1744-6
KEYWORDS 2 6 7 20
CATIONS T ANIONS O

1509 MESTDAGH G. 1968-A
FLIPIOT A.J. SMOLDERS A.
CONSIDERATIONS OF THE NATURE AND IMPORTANCE OF THE UO2-CAN
DISTANCES ON IRRADIATION (IN FRENCH)
J. NUCL. MATER. 26 (1968) P.300-6 (NSA 22-31528)
KEYWORDS 3 6 7 8 11 W
CATIONS U ANIONS O

MESTDAGH G. - SEE NR 1698

** 113 **

** 114 **

METCALF J.L. - SEE NR 147

MEYER J.E. - SEE NR 668

1510 MEYER R.O. 1971-A
 RUESCHER B.J.
 SIMPLE METHOD OF CALCULATING RADIAL TEMPERATURE DISTRIBUTION IN MIXED-OXIDE FUEL ELEMENT
 ANL-7887 (1971) P.5.25-5.26 (NSA 26-14452)
 KEYWORDS 1 3 11 14 23 29 W
 CATIONS M ANIONS O

1511 MEYER R.O. 1971-B
 O BOYLE D.R.
 SIMPLIFIED METHOD OF CALCULATING RADIAL TEMPERATURE DISTRIBUTION IN MIXED-OXIDE FUEL
 ANL-7845 (1971) P.5.23-5.26 (NSA 25-51026)
 KEYWORDS 1 3 11 14 23 29 W
 CATIONS M ANIONS O

1512 MEYER R.O. 1972-A
 RUESCHER B.J.
 SIMPLE METHOD OF CALCULATING RADIAL TEMPERATURE DISTRIBUTION IN A MIXED-OXIDE FUEL ELEMENT
 NUCL. TECHNOL. 14 (1972) P.193-6 (NSA 26-30225)
 KEYWORDS 1 3 11 14 23 29 W
 CATIONS M ANIONS O

1513 MEYER R.O. 1972-B
 BUTLER E.M. O BOYLE D.R.
 ACTINIDE REDISTRIBUTION IN MIXED OXIDE FUELS IRRADIATED IN A FAST FLUX
 ANL-7929 (1972) 32P. (NSA 26-48312)
 KEYWORDS 1 2 3 6 7 15 25
 CATIONS M ANIONS O

1514 MEYER W. 1933-A
 ON THE ELECTRICAL CONDUCTIVITY OF ANORGANIC MATERIALS WITH ELECTRONIC CONDUCTION (IN GERMAN)
 Z. PHYS. 85 (1933) P.278-93
 KEYWORDS 2 6 11 20
 CATIONS U ANIONS O

MEYERS R.L. - SEE NR 547

MEZGER R. - SEE NR 1084

MICHEL J.H. - SEE NR 886

1515 MICHELSON C. 1965-A
 SCOTT J.L. LONG E.L. JR.
 AN EVALUATION OF UO2 IRRADIATED AT 1600 TO 2400C
 TRANS. AMER. NUCL. SOC. 8 (1965) P.37 (NSA 19-28899)
 KEYWORDS 3 6 7 11 W
 CATIONS U ANIONS O

1516 MICHELSON C. 1966-A
 SCOTT J.L. LONG E.L. JR.
 AN EVALUATION OF UO2 IRRADIATED AT 1600 TO 2400C
 ORNL-3930 (1966) 66P. (NSA 20-27590)
 KEYWORDS 3 6 7 11 W
 CATIONS U ANIONS O

MICHELSON C. - SEE NR 1928

1517 MIKAILOFF H. 1966-A
 MUSTELIER J.P. BLOCH J. EZRAN L.
 HAYET L.
 RESULTS OF THE IRRADIATION OF MIXED UO2-PUO2 OXIDE FUEL ELEMENTS - APPENDIX I, CALCULATION OF THE CONDUCTIVITY INTEGRALS AND TEMPERATURES IN THE OXIDE (IN FRENCH)
 CEA-R 3066 (EUR-3084.F) (1966) P.59-62 (NSA 21-19392)
 KEYWORDS 1 3 6 7 11 W
 CATIONS M ANIONS O

1518 MIKAILOFF H. 1966-B
 MUSTELIER J.P. BLOCH J. EZRAN L.
 HAYET L.
 RESULTS OF THE IRRADIATION OF MIXED UO2-PUO2 OXIDE FUEL ELEMENTS, APPENDIX I - CALCULATION OF THE CONDUCTIVITY INTEGRALS AND TEMPERATURES IN THE OXIDE
 EURFNR-171.F (EUR-3084.F) (1966) P.49-52 (NSA 21-19392)
 KEYWORDS 1 3 6 7 11 W
 CATIONS M ANIONS O

1519 MIKAILOFF H. 1968-A
 VAN CRAEYNST J.C. LALLEMENT R.
 SOME EXPERIMENTS CONDUCTED AT FONTENAY-AUX-ROSES ON OXIDE FUELS
 CEA-CONF-1296 (1968) 12P. (CONF-690512-2) (NSA 23-2484)
 KEYWORDS 2 3 6 7 14 15 W
 CATIONS M ANIONS O

1520 MIKAILOFF H. 1969-A
 VAN CRAEYNST J.C. LALLEMENT R.
 EFFECT OF DENSITY AND STOICHIOMETRY ON OXIDE FUELS BEHAVIOR
 CERAMIC NUCLEAR FUELS (1969) P.126-37 (EDS.) KRUGER O.L., KAZNOFF A.I., (NSA 24-10204) (NSA 24-10134)
 KEYWORDS 1 2 3 6 7 11 W
 CATIONS M ANIONS O

1521 MIKAILOFF H. 1970-A
 MUSTELIER J.P. BLOCH J. CONTE M.
 HAYET L. LAUTHIER J.C. LECLERE J.
 IRRADIATION OF MIXED UO2-PUO2 OXIDE SAMPLES FOR FAST NEUTRON REACTOR FUEL ELEMENTS (IN FRENCH)
 CEA-R 3878 (EUR-4323.F) (1970) 73P. (NSA 24-4855)
 KEYWORDS 1 3 6 7 8 11 23 24 W
 CATIONS M ANIONS O

MIKAILOFF H. - SEE NR 597

MILES J. - SEE NR 424 501 1080 1814 1815 1816 1817

MILLER C.E. JR. - SEE NR 331

MILLER F.L. - SEE NR 768 771 773 774

MILLER J.L. JR. - SEE NR 766 772 775

MILLER L.B. - SEE NR 989 1920

1522 MILLER V.S. 1962-A
 THE NATURE OF CONTACT HEAT TRANSFER IN REACTOR FUEL ELEMENTS
 AEC-TR-8410 (1962) 7P. (NSA 17-274)
 KEYWORDS 2 6 8 11 W
 CATIONS U ANIONS O

1523 MILLIES P. 1967-A
 IRRADIATION RIGS - POSSIBILITIES OF STANDARDISATION
 CONF-660511 (1967) P.1.2.1-1.2.73 (NSA 21-21823) (NSA 21-19808)
 KEYWORDS 3 9 W

MILLS R.G. - SEE NR 982

MINER W.N. - SEE NR 1309

MIRARCHI U. - SEE NR 1361

1524 MIRON I. 1965-A
 STUDIES ON THE IRRADIATION OF CERAMIC NUCLEAR FUELS (IN RUMANIAN)
 STUDII SI CERCETARI DE FIZICA 17 (1965) P.1133-8 (NSA 21-46029)
 KEYWORDS 1 2 3 6 7 11 30 W
 CATIONS U ANIONS O

1525 MIRON I. 1967-A
 STUDIES ON THE IRRADIATION OF CERAMIC NUCLEAR FUELS
 UCRL-TRANS-10131 (1967) 14P. (NSA 21-46029)
 KEYWORDS 1 2 3 6 7 11 30 W
 CATIONS U ANIONS O

MIRSHAK S. - SEE NR 1032

1526 MISHIMA Y. 1973-A
 SOME PROBLEMS IN THE NUCLEAR FUEL DESIGN. PROBLEMS IN POWER REACTOR FUEL DESIGN (IN JAPANESE)
 GENSHIRYOKU KOGYO 19 (1973) P.2-14
 KEYWORDS 2 6 7 30 W
 CATIONS U ANIONS O

MISHLER L.W. - SEE NR 1331 1333 1334 1335 1336

MIYASAKA Y. - SEE NR 1855

MIZZAN E. - SEE NR 134

1527 MOCHALOV G.A. 1948-A
 TAGIROVA R.K. TEREKHOV G.I. IVANOV O.S.
 THE LINEAR EXPANSION AT UP TO 1100C AND THE DENSITY OF SOME ALLOYS AND COMPOUNDS OF URANIUM (IN RUSSIAN)
 FIZ.-KHIMIYA SPLAVOV I TUGOPLAVKIKH SOEDIN. S TORIEM I URANOM. (1948) P.53-62 (NSA 23-41732)
 KEYWORDS 2 6 16 27
 CATIONS U ANIONS O ADDITIVES ME CA

MOERMAN J. - SEE NR 971

1528 MOGARD H. 1965-A
 DJURLE S. MULTER I. MYERS H.P.
 NELSON B. RUNFORS U.
 FUEL DEVELOPMENT FOR SWEDISH HEAVY-WATER REACTORS
 PROC. 3RD INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 10 (1965) GENEVA P.75-85 (A/CONF.28/P/608) (NSA 18-38487)
 KEYWORDS 2 6 7 11 W
 CATIONS U ANIONS O

1529 MOMIN A.C. 1971-A
 MATHEWS M.D. KARKHANAVALA M.D.
 STUDIES IN THE SYSTEM UO2-THO2-O2. PART III. DILATOMETRIC AND HIGH TEMPERATURE X-RAY DIFFRACTOMETRIC STUDIES OF URANIUM OXIDES
 INDIAN J. CHEM. 9 (1971) P.582-4 (NSA 26-2608)
 KEYWORDS 2 6 27
 CATIONS V ANIONS O

MOMIN A.C. - SEE NR 1016

1530 MONTGOMERY L.D. 1964-A
 THERMAL DIFFUSIVITY MEASUREMENT
 HW-76303 (1964) P.2.25-28 (NSA 18-12643)
 KEYWORDS 2 6 10 W
 CATIONS U ANIONS O

1531 MONTGOMERY L.D. 1965-A
 A NEW TECHNIQUE FOR EXPERIMENTAL INVESTIGATION OF HIGH-TEMPERATURE THERMAL DIFFUSIVITY OF URANIUM DIOXIDE UNDER TRANSIENT CONDITIONS
 ANL-7116 (1965) 43P. (NSA 20-15031)
 KEYWORDS 2 3 6 7 9 18 W
 CATIONS U ANIONS O

** 115 **

** 116 **

1532 MONTGOMERY M.H. 1963-A
THERMAL DIFFUSIVITY MEASUREMENT
HW-79280 (1963) P.5,3-5,4 (NSA 18-29001)
KEYWORDS 2 6 10 W
CATIONS U ANIONS O

MONTGOMERY M.H. - SEE NR 178 181

MONTGOMERY W.H. - SEE NR 331

1533 MOODY J.W. 1956-A
WILLARDSON R.K. GOERING H.L.
ELECTRICAL PROPERTIES OF URANIUM OXIDES
WAPD-PWR-PMM-491 (1956) P.66-71 (NSA 12-10510)
KEYWORDS 2 6 11 15 20
CATIONS U ANIONS O

1534 MOODY J.W. 1956-B
WILLARDSON R.K. GOERING H.L.
THE ELECTRICAL PROPERTIES OF URANIUM OXIDES
WAPD-PWR-PMM-904 (1956) P.73-5 (NSA 12-5310)
KEYWORDS 2 6 11 15 20
CATIONS U ANIONS O

1535 MOODY J.W. 1957-A
WILLARDSON R.K. GOERING H.L.
THE ELECTRICAL PROPERTIES OF URANIUM DIOXIDE
BMI-1152 (1957) P.23 (NSA 14-21879)
KEYWORDS 2 6 11 20
CATIONS U ANIONS O

1536 MOODY J.W. 1957-B
WILLARDSON R.K. GOERING H.L.
THE ELECTRICAL PROPERTIES OF URANIUM DIOXIDE
BMI-1161 (1957) P.19-20 (NSA 14-21880)
KEYWORDS 2 6 11 20
CATIONS U ANIONS O

1537 MOODY J.W. 1957-C
THE ELECTRICAL PROPERTIES OF URANIUM OXIDES
WAPD-TM-44 (1957) P.9B-9 (NSA 12-829)
KEYWORDS 2 6 11 15 20 30
CATIONS U ANIONS O

1538 MOODY J.W. 1957-D
WILLARDSON R.K. GOERING H.L.
THE ELECTRICAL PROPERTIES OF URANIUM DIOXIDE
BMI-1238 (1957) P.18-9 (NSA 12-7835)
KEYWORDS 2 6 11 20
CATIONS U ANIONS O

1539 MOODY J.W. 1957-E
WILLARDSON R.K. GOERING H.L.
THE ELECTRICAL PROPERTIES OF URANIUM DIOXIDE
BMI-1189 (1957) P.17-8 (NSA 14-19310)
KEYWORDS 2 6 11 15 20
CATIONS U ANIONS O

1540 MOODY J.W. 1958-A
GERDS A. ALBRECHT W.M. BENNETT R.E.
WILSON W.B. SCHWARTZ C.M.
VALENCE EFFECTS OF OXIDE SOLUTIONS IN URANIUM DIOXIDE
BMI-1247 (1958) P.H-2/H-4 (34-6) (NSA 12-13135)
KEYWORDS 2 16 20
CATIONS U ANIONS O ADDITIVES ME

MOODY J.W. - SEE NR 2163 2165 2166 2167 2168 2169 2170
** - SEE NR 2171 2172 2173 2174 2175

1541 MOORADIAN A.J. 1960-A
ROBERTSON J.A.L.
CAN DU FUELING COSTS - BREAKING THE 1-MILL/KWH BARRIER
NUCLEONICS 18 NO.10 (1960) P.60-5/122 (NSA 14-26488)
KEYWORDS 2 6 11 14 15 17 W
CATIONS U ANIONS O

1542 MOORE G.E. 1942-A
HIGH TEMPERATURE HEAT CONTENT DATA FOR THREE SOLID SUBSTANCES
A-502 (1942) 8P. (NSA 10-2448)
KEYWORDS 2 6 21
CATIONS U ANIONS O

1543 MOORE G.E. 1947-A
KELLEY K.K.
HIGH TEMPERATURE HEAT CONTENTS OF URANIUM, URANIUM DIOXIDE AND
URANIUM TRIOXIDE
J. AMER. CHEM. SOC. 69 (1947) P.2105-7
KEYWORDS 2 6 7 11 15 21
CATIONS U ANIONS O

MOORE G.E. - SEE NR 1181

1544 MOORE J.P. 1966-A
GRAVES R.S.
COMPARATIVE LONGITUDINAL HEAT FLOW APPARATUS
ORNL-3970 (1966) P.40 (NSA 21-13260) (NSA 21-13095)
KEYWORDS 2 6 9 14 W
CATIONS U T ANIONS O

1545 MOORE J.P. 1966-C
THERMAL CONDUCTIVITY OF (TH,U)O2
ORNL-3970 (1966) P.218 (NSA 21-13095) (NSA 21-13227)
KEYWORDS 2 6 11 15 W
CATIONS V ANIONS O

1546 MOORE J.P. 1967-A
KOLLIF T.G. GRAVES R.S. MCELROY D.L.
THERMAL CONDUCTIVITY MEASUREMENTS ON SOLIDS BETWEEN 20 AND
150C USING A COMPARATIVE-LONGITUDINAL APPARATUS - RESULTS ON
MGO, BEO, THO2, TH(X)U(1-X)O(2+Y) AND AL-UO2 CERMETS
ORNL-4121 (1967) 44P. (NSA 21-31088)
KEYWORDS 2 6 11 W
CATIONS V ANIONS O

1547 MOORE J.P. 1967-B
GRAVES R.S. WILLIAMS R.K.
COMPARATIVE LONGITUDINAL SYSTEM
ORNL-4170 (1967) P.39-40 (NSA 22-8731) (NSA 22-8685)
KEYWORDS 2 6 9 11 W
CATIONS V ANIONS O

1548 MOORE J.P. 1967-C
MCELROY D.L.
THERMAL CONDUCTIVITY STUDIES
ORNL-TM-1971 (1967) P.18-24 (NSA 21-44961)
KEYWORDS 2 6 12 14 W
CATIONS V ANIONS O

1549 MOORE J.P. 1967-D
GRAVES R.S. WILLIAMS R.K. MCELROY D.L.
HEAT FLOW RESULTS
ORNL-4170 (1967) P.39 (NSA 22-8685) (NSA 22-8731)
KEYWORDS 2 6 15 W
CATIONS T V ANIONS O

1550 MOORE J.P. 1968-A
GRAVES R.S. MCELROY D.L.
THERMAL CONDUCTIVITY OF THO2 AND UO2 FROM 77 TO 1300K
ORNL-4370 (1968) P.37 (NSA 23-8106) (NSA 23-8162)
KEYWORDS 2 5 6 11 W
CATIONS U T ANIONS O

1551 MOORE J.P. 1969-A
GRAVES R.S. MCELROY D.L.
THERMAL CONDUCTIVITY OF THO2 AND UO2
ORNL-4470 (1969) P.32 (NSA 24-2943) (NSA 24-2868)
KEYWORDS 2 5 6 10 11 W
CATIONS U T ANIONS O

1552 MOORE J.P. 1970-A
MCELROY D.L.
THE THERMAL CONDUCTIVITY OF NEAR STOICHIOMETRIC SINGLE CRYSTAL
AND POLYCRYSTAL UO2
PROC. 10TH CONF. ON THERMAL CONDUCTIVITY (1970) NEWTON P.V1/7-
8
KEYWORDS 2 5 10 11 W
CATIONS U ANIONS O

1553 MOORE J.P. 1970-B
MCELROY D.L.
LATTICE HEAT TRANSPORT - URANIUM DIOXIDE
ORNL-4570 (1970) P.29 (NSA 25-2783) (NSA 25-2601)
KEYWORDS 2 5 10 11 W
CATIONS U ANIONS O

1554 MOORE J.P. 1971-A
MCELROY D.L.
THERMAL CONDUCTIVITY OF NEARLY STOICHIOMETRIC SINGLE-CRYSTAL
AND POLYCRYSTALLINE UO2
J. AMER. CERAM. SOC. 54 (1971) P.40-6 (NSA 25-24641)
KEYWORDS 2 5 6 10 11 14 W
CATIONS U ANIONS O

MOORE J.P. - SEE NR 837 838 902 904 905 906 1487
** - SEE NR 1490 1997

MOORTHY V.K. - SEE NR 1740 1741 1742 1743

MORDARSKI W.J. - SEE NR 419 423

MOREL P.A. - SEE NR 125

MORETTI S. - SEE NR 737 738 739 1091

1555 MORGAN C.D. 1972-A
KAO H.S.
TAFY - FUEL PIN TEMPERATURE AND GAS PRESSURE ANALYSIS
BAW-10044 (1972) 44P. (NSA 26-40223)
KEYWORDS 1 3 8 29 W

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1556 MORGAN J.G. 1964-A
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ORNL-TM-763 (1964) 32P. (NSA 18-18415)
KEYWORDS 3 6 7 11 23 24 W
CATIONS U ANIONS O

MORGAN J.G. - SEE NR 219 379 383 395 1701 1929

MORGAN M.T. - SEE NR 383

MORISHIMA A. - SEE NR 1098

MORISON W.G. - SEE NR 1780 1781

1557 MOSER J.B. 1965-A
KRUGER O.L.
DEVELOPMENT OF THERMAL DIFFUSIVITY FOR CERAMIC MATERIALS
ANL-7000 (1965) P.106-10 (NSA 19-43985)
KEYWORDS 2 6 7 9 10 13
CATIONS U ANIONS O

1558 MOSER J.B. 1969-A
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INT. J. NONDESTRUCT. TEST. 1 (1969) P.91-107 (NSA 24-7375)
KEYWORDS 2 6 26 27 30 W
CATIONS U P M ANIONS O

** 117 **

** 118 **

1559 MOSLEY W.C. 1970-A
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1560 MOSLEY W.C. 1971-A
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 KEYWORDS 2 6 17 27
 CATIONS X ANIONS O

1561 MOSLEY W.C. 1972-A
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MOUCHNINO M. - SEE NR 502 503

1562 MOUND LAB. 1967-A
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 KEYWORDS 2 6 21 27 30
 CATIONS P ANIONS O

1563 MOYAR G.J. 1966-A
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 KEYWORDS 1 3 27 29 W
 CATIONS U ANIONS O

1564 MOYAR G.J. 1966-B
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 CATIONS U ANIONS O

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MRAZIK F.P. - SEE NR 690

MUCCIGROSSO A.T. - SEE NR 1711

1565 MUELLER E.M. 1970-A
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 CONDUCTIVITY DEPENDENCE UPON POROSITY (IN GERMAN)
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1566 MUELLER E.M. 1972-A
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 TEMPERATURE (IN GERMAN)
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 CATIONS U ANIONS O

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MUELLER G.O. - SEE NR 53 55 58

MUELLER M.H. - SEE NR 1273 1274 1275 1276 1277

MUKAIRO T. - SEE NR 1154 1567 1568

MULTER I. - SEE NR 1528

1567 MURABAYASHI M. 1969-A
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 J. NUCL. SCI. TECHNOL. (TOKYO) 6 (1969) P.128-31 (NSA 23-
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1568 MURABAYASHI M. 1969-B
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 EFFECT OF POROSITY ON THE THERMAL CONDUCTIVITY OF THO2
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1569 MURABAYASHI M. 1970-A
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 KEYWORDS 2 6 11 15 W
 CATIONS V ANIONS O

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1570 MURAT M. 1962-A
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1571 MURAT M. 1963-A
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 VARIATION OF THE ELECTRIC CONDUCTIVITY OF U3O8 AS A FUNCTION
 OF OXYGEN PRESSURE BETWEEN 100 AND 700C (IN FRENCH)
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 CATIONS U ANIONS O

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MURCHISON D.G. - SEE NR 1135

1572 MURRAY P. 1950-A
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 THE THERMAL EXPANSION OF SINTERED UO2
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1573 MURRAY P. 1956-A
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 CATIONS U ANIONS O

1577 MURRAY P. 1962-A
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 KEYWORDS 1 3 6 7 11 30 W
 CATIONS U M ANIONS O

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1578 MURTHA B.E. 1961-A
 CHERNOCK W.P.
 THE DEVELOPMENT AND TESTING OF THE UO2 FUEL ELEMENT SYSTEM
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1579 MUSTELIER J.P. 1963-A
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 23-10155)
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 CATIONS M ANIONS O

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1581 MUTO T. 1970-A
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 TERUNUMA T. WATANABE K.
 THERMAL DIFFUSIVITY MEASUREMENT OF IRRADIATED UO2 SPECIMENS
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1582 MYERS H.P. 1963-A
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 INTRINSIC SEMICONDUCTION IN URANIUM DIOXIDE
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 CATIONS U ANIONS O

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- NAEGELE J. - SEE NR 1436 1438 1442 1443
- 1584 NAGAI M. 1969-A
KAWAI T. HORI M.
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- 1586 NAGELS P. 1964-A
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CATIONS U ANIONS O
- 1587 NAGELS P. 1965-A
VAN LIERDE W. PENNINGCKX R. DEVREESE J.
DENAYER M. DE JONGHE L. DE CONINCK R.
DE BATHIST R. BLANK H. GEVERS R.
KWEELINCKX S.
PREPARATION AND PHYSICAL PROPERTIES OF UO₂ SINGLE CRYSTALS
PROC. 3RD INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 11
(1965) GENEVA P.353-62 (A/CONF.28/P/444) (NSA 18-37611)
KEYWORDS 2 5 6 10 20 W
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- 1588 NAGELS P. 1966-A
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CRYSTALS
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DE JONGHE L. GEVERS R.
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MIGRATION AND SELF-DIFFUSION OF URANIUM IN UO₂
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KEYWORDS 4 6 15 20
CATIONS U ANIONS O
- NAGELS P. - SEE NR 33 37 38 40 41 42 45
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- 1590 NAITO K. 1967-A
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TEMPERATURES (IN JAPANESE)
YOGYO KYOKAI SHI 75 (1967) P.163-74
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CATIONS U T V ANIONS O C N
- NAITO K. - SEE NR 919 1106 1107
- 1591 NAKAMURA Y. 1972-A
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KIKUCHI T.
PLUTONIUM FUEL DEVELOPMENT IN JAPAN FOR FAST AND THERMAL
REACTORS
PROC. 4TH INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 4
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KEYWORDS 3 6 7 26 27 W
CATIONS M ANIONS O
- NAKAMURA Y. - SEE NR 1233 1234
- NAMBA S. - SEE NR 1197 1567
- NANCE R.L. - SEE NR 261
- 1592 NARIN F. 1959-A
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IN TWO-REGION NUCLEAR REACTOR FUEL ELEMENTS
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KEYWORDS 1 2 3 18 29 W
- NARUKI K. - SEE NR 1108
- 1593 NASU S. 1964-A
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J. PHYS. SOC. JAPAN 19 (1964) P.1753-4 (NSA 19-2317)
KEYWORDS 2 5 6 22
CATIONS U ANIONS O
- 1594 NATHAN M.E. 1971-A
SCHWEINBERG R.N.
FINE TUNING AN FBR FUEL MODELING CODE
TRANS. AMER. NUCL. SOC. 14 SUPPL. NO.1 (1971) P.6-7 (NSA 25-
34366) (NSA 25-34361)
KEYWORDS 1 3 29 W
CATIONS M ANIONS O
- 1595 NATHAN M.E. 1971-B
SCHWEINBERG R.N.
FINE TUNING AN FBR FUEL MODELING CODE
PROC. OF THE CONF. ON FAST REACTOR FUEL ELEMENT TECHNOLOGY
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(NSA 26-60544) (NSA 26-60552)
KEYWORDS 1 3 8 11 23 29 W
CATIONS M ANIONS O
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- NATHAN M.E. - SEE NR 1861 1862
- NAVINSEK B. - SEE NR 50
- NAYMARK S. - SEE NR 2136
- NAZARCHUK M.M. - SEE NR 1978
- 1596 NEIMARK L.A. 1961-A
KITTEL J.H. HOENIG C.L.
IRRADIATION OF METAL-FIBER-REINFORCED THORIA-URANIA
ANL-6397 (1961) 49P. (NSA 16-7924)
KEYWORDS 3 6 7 11 16 W
CATIONS V ANIONS O ADDITIVES ME
- 1597 NEIMARK L.A. 1962-A
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KEYWORDS 1 3 6 7 11 23 W
CATIONS V ANIONS O
- 1598 NEIMARK L.A. 1964-A
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THE IRRADIATION OF ALUMINIUM ALLOY-CLAD THORIA-URANIA PELLETS
ANL-6538 (1964) 37P. (NSA 18-42109)
KEYWORDS 1 3 6 7 11 W
CATIONS V ANIONS O
- 1599 NEIMARK L.A. 1969-A
BROWN F.L.
REACTOR DEVELOPMENT PROGRAM
ANL-7581 (1969) P.1-2 (NSA 23-45046)
KEYWORDS 3 6 7 11 23 W
CATIONS M ANIONS O
- NEIMARK L.A. - SEE NR 330 711 1686
- NELSON B. - SEE NR 1528
- 1600 NELSON N.R. 1965-A
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CATIONS M ANIONS O
- NELSON P.A. - SEE NR 259
- 1601 NELSON R.C. 1964-A
COPLIN D.H. LYONS M.F. WEIDENBAUM B.
FISSION GAS RELEASE FROM UO₂ FUEL RODS WITH GROSS CENTRAL
MELTING. - 1, PELLETT FUEL
GEAP-4572 (EURAC-1435) (1964) 58P. (NSA 19-41088)
KEYWORDS 3 6 7 11 24 26 W
CATIONS U ANIONS O
- 1602 NELSON R.C. 1964-B
COPLIN D.H. LYONS M.F. WEIDENBAUM B.
FISSION-GAS RELEASE FROM UO₂ PELLETT RODS WITH GROSS CENTRAL
MELTING
TRANS. AMER. NUCL. SOC. 7 (1964) P.91 (NSA 18-28069)
KEYWORDS 3 6 7 11 24 26 W
CATIONS U ANIONS O
- NELSON R.C. - SEE NR 976 978 1383 1384 1386 1388 1393
** - SEE NR 1827
- 1603 NELSON R.P. 1966-A
IRREVERSIBLE VOLUME CHANGES DURING ANNEALING OF PNEUMATICALLY-
IMPACTED CERAMICS
BNWL-CC-761 (1966) P.4.23-6 (NSA 21-46025)
KEYWORDS 2 6 7 12 27 W
CATIONS M ANIONS O
- 1604 NELSON R.P. 1966-B
HONDA Y.
STORED ENERGY IN PNEUMATICALLY IMPACTED UO₂
BNWL-CC-821 (1966) P.4.25-4.27 (NSA 21-46964)
KEYWORDS 2 6 11 12 13 21
CATIONS U ANIONS O
- 1605 NELSON R.P. 1967-A
THERMAL EXPANSION OF MIXED UO₂-PUO₂
BNWL-673 (1967) P.4.1 (NSA 22-13060) (NSA 22-12962)
KEYWORDS 2 6 27
CATIONS M ANIONS O
- NELSON R.P. - SEE NR 1012
- NELSON R.S. - SEE NR 170
- NESTOR C.W. JR. - SEE NR 682
- NEUMANN O. - SEE NR 857 858 1002 1003 1004 1005
- NEUYMANN A.D. - SEE NR 2050 2051
- 1606 NEWKIRK H.W. 1959-A
BATES J.L.
THE MELTING POINTS OF URANIUM DIOXIDE, URANIUM MONOCARBIDE,
AND URANIUM MONONITRIDE
HW-59468 (1959) 5P. (NSA 13-18882)
KEYWORDS 2 7 11 15 26
CATIONS U ANIONS O

** 121 **

** 122 **

NEWKIRK H.W. - SEE NR 317 318

1607 NICHOLS F.A. 1966-A
BEHAVIOR OF GASEOUS FISSION PRODUCTS IN OXIDE FUEL ELEMENTS
WAPD-TM-570 (1966) 39P. (NSA 21-5017)
KEYWORDS 3 6 7 11 24
CATIONS U ANIONS O

1608 NICHOLS F.A. 1966-B
THEORY OF GRAIN GROWTH IN POROUS COMPACTS
J. APPL. PHYS. 37 (1966) P.327-33 (NSA 21-9239)
KEYWORDS 1 2 6 7 11 23
CATIONS U ANIONS O

1609 NICHOLS F.A. 1967-A
THEORY OF COLUMNAR GRAIN GROWTH AND CENTRAL VOID FORMATION IN
OXIDE FUEL RODS
J. NUCL. MATER. 22 (1967) P.214-22 (NSA 21-24846)
KEYWORDS 2 3 6 7 11 23
CATIONS U ANIONS O

1610 NICHOLS R.W. 1958-A
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NUCL. ENG. 3 (1958) P.327-33 (NSA 12-15881)
KEYWORDS 2 3 6 7 11 20 21 26 27 30 W
CATIONS U T ANIONS O

1611 NICHOLS R.W. 1960-A
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MATERIALS FOR NUCLEAR ENGINEERS (ED.) MCINTOSH A.B., HEAL
T.J., (1960) P.140-3 (NSA 15-11482) (NSA 15-11478)
KEYWORDS 2 6 7 21 27 30 W
CATIONS U ANIONS O

NICOLAOU M.C. - SEE NR 2060

NIESSEN G. - SEE NR 1082 1083

1612 NIGHTINGALE R.E. 1967-A
THERMAL DIFFUSIVITY OF UO₂-PUO₂
BNWL-375 (1967) P.43 (NSA 23-23851)
KEYWORDS 2 6 7 12 W
CATIONS M ANIONS O

1613 NIGHTINGALE R.E. 1967-B
HIGH TEMPERATURE ELECTRICAL CONDUCTIVITY OF UO₂
BNWL-375 (1967) P.43 (NSA 23-23851)
KEYWORDS 2 7 11 20
CATIONS U ANIONS O

1614 NIGHTINGALE R.E. 1967-C
THERMAL DIFFUSIVITY OF U(0.8)PU(0.2)O(2-X)
BNWL-404 (1967) P.48 (NSA 23-23852)
KEYWORDS 2 6 11 15 W
CATIONS M ANIONS O

1615 NIJSING R. 1966-A
TEMPERATURE AND HEAT FLUX DISTRIBUTION IN NUCLEAR FUEL ELEMENT
RODS
NUCL. ENG. DES. 4 (1966) P.1-20 (NSA 20-31349)
KEYWORDS 1 3 6 7 8 29 W
CATIONS U ANIONS O

NISHIGAKI S. - SEE NR 1196

1616 NISHIJIMA T. 1965-A
KAWADA T. ISHIHATA A.
THERMAL CONDUCTIVITY OF SINTERED UO₂ AND AL₂O₃ AT HIGH
TEMPERATURES
J. AMER. CERAM. SOC. 48 (1965) P.31-4 (NSA 19-14012)
KEYWORDS 2 6 7 11 W
CATIONS U ANIONS O

1617 NISHIJIMA T. 1968-A
THE COMBUSTION OF NUCLEAR FUELS OF OXIDES. SOME CONSIDERATIONS
MAINLY FROM THE VIEW POINT OF THEIR CHANGES OF THE THERMAL
CONDUCTIVITY (IN JAPANESE)
FUNTAI OYOBI FUNMATSUYAKIN 15 (1968) P.329-40 (NSA 23-20711)
KEYWORDS 3 6 7 11 17 20 22 24 26 30 W
CATIONS U ANIONS O

NORILI A. - SEE NR 362 363 364 365 366 2041 2042

1618 NOE M. 1971-A
FUGER J.
SELF-RADIATION EFFECTS ON THE LATTICE PARAMETER OF 244CMO₂
INORG. NUCL. CHEM. LETT. 7 (1971) P.421-30 (NSA 25-35589)
KEYWORDS 2 17 27
CATIONS X ANIONS O

1619 NOE M. 1972-A
PETERSON J.R.
THERMAL EXPANSION COEFFICIENT OF CURIUM-248 DIOXIDE, 248CMO₂
INORG. NUCL. CHEM. LETT. 8 (1972) P.897-902 (NSA 26-59176)
KEYWORDS 2 6 27
CATIONS X ANIONS O

1620 NOHARA T. 1965-A
KUBOTA T. FUJINAGA S. TAKAHASHI S.
THERMAL SIMULATION TEST ON VIBRATORY COMPACTED UO₂ FUEL. PART
I. STRUCTURAL CHANGE (IN JAPANESE)
NIPPON GENSHIYOKU GAKKAISHI 7 (1965) P.241-7 (NSA 19-30789)
KEYWORDS 1 3 12 W
CATIONS U ANIONS O

NOHARA T. - SEE NR 2025 2026

NORO K. - SEE NR 1856

1621 NORTON F.H. 1952-A
KINGERY W.D.
THE MEASUREMENT OF THERMAL CONDUCTIVITY OF REFRACTORY
MATERIALS
NYO-601 (1952) 34P. (NSA 6-1448)
KEYWORDS 2 6 7 W
CATIONS T ANIONS O

1622 NORTON F.H. 1953-A
KINGERY W.D.
THE MEASUREMENT OF THERMAL CONDUCTIVITY OF REFRACTORY
MATERIALS
NYO-3646 (1953) 10P. (NSA 7-4791)
KEYWORDS 2 6 11 W
CATIONS U ANIONS O

1623 NOTLEY M.J.F. 1961-A
IRRADIATION PERFORMANCE OF X-2-R
EXP-NRX-2404 (1961) 26P.
KEYWORDS 1 3 6 7 11 23 24 W
CATIONS U ANIONS O

1624 NOTLEY M.J.F. 1962-A
THE RELATIVE AXIAL EXPANSIONS UNDER IRRADIATION OF STACKS OF
UO₂ PELLETS IN ZIRCALOY SHEATHS
AECL-1598 (CRFD-1092) (EXP-NRX 5603) (1962) 25P. (NSA 16-
32141)
KEYWORDS 2 6 7 11 27
CATIONS U ANIONS O

1625 NOTLEY M.J.F. 1962-B
ALLISON G.M. BAIN A.S.
THE CALCULATION OF HEAT RATINGS OF UO₂ FUEL SPECIMENS
IRRADIATED IN THE HYDRAULIC RABBIT LOOP OF NRX FROM CORAL
MONITOR ACTIVATIONS
AECL-1551 (CRFD-1118) (1962) 19P. (NSA 17-8881)
KEYWORDS 1 3 6 7 11 29 W
CATIONS U ANIONS O

1626 NOTLEY M.J.F. 1962-C
FITZSIMMONS W.D.C.
THE IRRADIATION OF HYDRAULIC RABBIT SPECIMENS TO STUDY SHEATH
DEFORMATIONS
AECL-1664 (CRFD-1119) (1962) 18P. (NSA 17-11256)
KEYWORDS 2 6 7 11 27
CATIONS U ANIONS O

1627 NOTLEY M.J.F. 1962-D
BAIN A.S. ANANTHAKRISHNAN S. PARRY G.W.
ZIRCALOY SHEATHED UO₂ FUEL ELEMENTS IRRADIATED AT VALUES OF
CONDUCTIVITY INTEGRALS BETWEEN 40 AND 83 W/CM
AECL-1676 (CRFD-1117) (1962) 57P. (NSA 17-18854)
KEYWORDS 1 3 6 7 11 W
CATIONS U ANIONS O

1628 NOTLEY M.J.F. 1963-A
THE THERMAL CONDUCTIVITY OF COLUMNAR GRAINS IN IRRADIATED UO₂
FUEL ELEMENTS (IRRADIATION TESTS X-225 AND X-277)
AECL-1822 (CRFD-1166) (1963) 26P. (NSA 18-645)
KEYWORDS 3 7 10 23 W
CATIONS U ANIONS O

1629 NOTLEY M.J.F. 1963-B
HARVEY A.
THE LENGTH CHANGES OF ZIRCALOY SHEATHED UO₂ FUEL ELEMENTS
DURING IRRADIATION
AECL-1846 (CRFD-1174) (1963) 36P. (NSA 19-18533)
KEYWORDS 3 6 11 27 W
CATIONS U ANIONS O

1630 NOTLEY M.J.F. 1964-A
BAIN A.S. ROBERTSON J.A.L.
THE LONGITUDINAL AND DIAMETRAL EXPANSIONS OF UO₂ FUEL ELEMENTS
AECL-2143 (1964) 25P. (NSA 19-14080)
KEYWORDS 1 3 6 7 11 27
CATIONS U ANIONS O

1631 NOTLEY M.J.F. 1965-B
MACEWAN J.R.
THE EFFECT OF UO₂ DENSITY ON FISSION-PRODUCT GAS RELEASE AND
SHEATH EXPANSION
TRANS. AMER. NUCL. SOC. 8 (1965) P.25 (NSA 20-37254)
KEYWORDS 3 7 11 14 24 27
CATIONS U ANIONS O

1632 NOTLEY M.J.F. 1965-C
BAIN A.S. ROBERTSON J.A.L.
THE LONGITUDINAL AND DIAMETRAL EXPANSIONS OF UO₂ FUEL ELEMENTS
TRANS. AMER. NUCL. SOC. 8 (1965) P.94-5 (NSA 19-28903)
KEYWORDS 1 3 6 7 11 27
CATIONS U ANIONS O

1633 NOTLEY M.J.F. 1966-A
MACEWAN J.R.
THE EFFECT OF UO₂ DENSITY ON FISSION PRODUCT GAS RELEASE AND
SHEATH EXPANSION
NUCL. APPL. 2 (1966) P.117-22 (AECL-2230) (NSA 20-37254)
KEYWORDS 1 2 6 11 14 24 27 30
CATIONS U ANIONS O

1634 NOTLEY M.J.F. 1970-A
A COMPUTER PROGRAM TO PREDICT THE PERFORMANCE OF UO₂ FUEL
ELEMENTS IRRADIATED AT HIGH POWER OUTPUTS TO A BURNUP OF
10,000 MWD/MTU
NUCL. APPL. TECHNOL. 9 (1970) P.195-204 (NSA 24-46050)
KEYWORDS 1 3 6 7 24 29 W

1635 NOTLEY M.J.F. 1971-A
PETTIGREW M.J. VIDAL H.
MEASUREMENTS OF FUEL ELEMENT EXPANSION USING RESISTANCE STRAIN
GAUGES
TRANS. AMER. NUCL. SOC. 14 (1971) P.138-9 (NSA 25-41417)
KEYWORDS 1 3 6 11 27
CATIONS U ANIONS O

** 123 **

NOTLEY M.J.F. - SEE NR 1416 1418 1473 1474 1790 1794 1795

** 124 **

1636 NOVAK P.E. 1967-A
ASAMOTO R.R.
THERMOCOUPLE DEVELOPMENT FOR USE IN MEASURING OXIDE FUEL TEMPERATURES IN-PILE ABOVE 4000F
CONF-660511 (1967) P.7.5.1.-7.5.6 (NSA 21-21823) (NSA 21-20534)
KEYWORDS 3 9 W

NOVAK P.E. - SEE NR 1641 1713 1714

1637 NOYES R.C. 1965-A
TEMPERATURE DISTRIBUTIONS FOR VARIOUS FUELS WITH NONUNIFORM HEATING
NAA-SR-MEMO-11731 (1965) 29P. (NSA 20-32791)
KEYWORDS 1 3 8 29 W
CATIONS M ANIONS O

1638 NUTT A.W. 1968-A
ELASTIC AND ANELASTIC PROPERTIES IN A POLYCRYSTALLINE SYSTEM
UO2-PUO2
ANL-7460 (1968) P.101-3 (NSA 22-42158)
KEYWORDS 2 6 11 27
CATIONS M ANIONS O

1639 NUTT A.W. 1970-A
ALLEN A.W. HANDWERK J.H.
ELASTIC AND ANELASTIC RESPONSE OF POLYCRYSTALLINE UO2-PUO2
J. AMER. CERAM. SOC. 53 (1970) P.205-10 (NSA 24-25787)
KEYWORDS 2 6 11 27
CATIONS M ANIONS O

1640 NUTT A.W. 1972-A
TOKAR V.
THERMAL EXPANSION OF PUO2
LA-4945 (1972) 5P. (NSA 26-48319)
KEYWORDS 2 5 6 11 27
CATIONS P ANIONS O

NUTT A.W. - SEE NR 2052 2053

O ROYLE D.R. - SEE NR 1511 1513

1641 O NEILL G.L. 1963-A
NOVAK P.E. JOHNSON M.L. BAILY W.E.
EXPERIMENTAL STUDIES OF SODIUM LOGGING IN FAST CERAMIC REACTOR FUELS
GEAP-4283 (1963) P.98 (NSA 19-20458)
KEYWORDS 1 3 6 7 8 11 W
CATIONS M ANIONS O

1642 OETTING F.L. 1967-A
THE CHEMICAL THERMODYNAMIC PROPERTIES OF PLUTONIUM COMPOUNDS
CHEM. REV. 67 (1967) P.261-97 (NSA 21-25831)
KEYWORDS 2 6 7 21 26 30
CATIONS P ANIONS O

1643 OGDARD A.E. 1965-A
LEARY J.A.
HIGH TEMPERATURE HEAT CONTENT AND HEAT CAPACITY OF URANIUM DIOXIDE AND URANIUM DIOXIDE-PLUTONIUM DIOXIDE SOLID SOLUTIONS
LA-DC-8620 (1965) 26P. (NSA 21-42914)
KEYWORDS 2 6 7 11 21
CATIONS U M ANIONS O

1644 OGDARD A.E. 1967-A
HIGH TEMPERATURE CALORIMETRY
LA-3P20-MS (1967) P.18 (NSA 22-6138)
KEYWORDS 2 6 7 11 21
CATIONS U ANIONS O

1645 OGDARD A.E. 1968-A
LEARY J.A.
HIGH-TEMPERATURE HEAT CONTENT AND HEAT CAPACITY OF URANIUM DIOXIDE AND URANIUM DIOXIDE-PLUTONIUM DIOXIDE SOLID SOLUTIONS
THERMODYNAMICS OF NUCLEAR MATERIALS (VIENNA), IAEA (STI/PUB/162) (1968) P.651-65 (NSA 22-31480) (NSA 22-31347)
KEYWORDS 2 6 7 11 21
CATIONS U M ANIONS O

1646 OGDARD A.E. 1970-A
HIGH TEMPERATURE HEAT CONTENT OF PLUTONIUM DIOXIDE
PROC. 4TH INT. CONF. ON PLUTONIUM AND OTHER ACTINIDES (SANTA FE), NUCLEAR METALLURGY VOL. 17 PART I (1970) P.78-83 (NSA 25-11491)
KEYWORDS 2 6 7 11 21
CATIONS P ANIONS O

1647 OGAWA S.Y. 1968-A
LEES E.A. LYONS M.F.
POWER REACTOR HIGH PERFORMANCE UO2 PROGRAM. FUEL DESIGN SUMMARY AND PROGRAM STATUS
GEAP-5591 (EURAEC-2001) (1968) P.19-20 (NSA 22-22698)
KEYWORDS 1 2 3 6 7 11 30 W
CATIONS U ANIONS O

OGAWA S.Y. - SEE NR 1031

1648 OHNSTY B. 1964-A
ROSE F.K.
THERMAL EXPANSION MEASUREMENTS ON THORIA AND HAFNIA TO 4500F
J. AMER. CERAM. SOC. 47 (1964) P.398-400 (NSA 18-36004)
KEYWORDS 2 6 27
CATIONS T ANIONS O

1649 OLSEN A.R. 1967-A
DOUGLAS D.A. JR. HIROSE Y. SCOTT J.L.
ULLMANN J.W.
PROPERTIES AND PROSPECTS OF THORIA-BASED NUCLEAR FUELS
PROC. BRIT. CERAM. SOC. 7 (1967) P.289-310 (ORNL-P-1724) (CONF-651041-1) (NSA 20-5915)
KEYWORDS 2 3 6 12
CATIONS V ANIONS O

1650 OLSEN A.R. 1969-A
FITTS R.B. COX C.M.
ANALYSIS OF THE VALIDITY OF FAST REACTOR FUEL TESTS IN EXISTING TEST REACTORS
ORNL-TM-2716 (1969) 25P. (NSA 24-1999)
KEYWORDS 1 3 6 7 11 29 W
CATIONS M ANIONS O

1651 OLSEN A.R. 1971-A
FITTS R.B. LACKEY W.J.
IN-REACTOR RESTRUCTURING TEMPERATURES AND KINETICS FOR (U,PU)O2
TRANS. AMER. NUCL. SOC. 14 SUPPL. NO.1 (1971) P.24-5 (NSA 25-32850) (NSA 25-34361)
KEYWORDS 3 6 7 12 17 23 W
CATIONS M ANIONS O

1652 OLSEN A.R. 1971-B
FITTS R.B. LACKEY W.J.
IN-REACTOR RESTRUCTURING TEMPERATURES AND KINETICS FOR (U,PU)O2
ORNL-TM-3387 (1971) 32P. (CONF-710414-10) (NSA 25-44124)
KEYWORDS 3 6 7 11 23
CATIONS M ANIONS O

1653 OLSEN A.R. 1971-C
FITTS R.B. LACKEY W.J.
IN-REACTOR RESTRUCTURING TEMPERATURES AND KINETICS FOR (U,PU)O2
PROC. OF THE CONF. ON FAST REACTOR FUEL ELEMENT TECHNOLOGY (1971) NEW ORLEANS P.579-602 (ED.) FARMAKES R. (CONF-710414) (NSA 26-60544)
KEYWORDS 1 3 23 W
CATIONS M ANIONS O

OLSEN A.R. - SEE NR 526 763 1264 1265 1266 1267

1654 ONDRACEK G. 1971-A
KAEMPF H.
THERMAL EXPANSION OF OXIDE FUELS (IN GERMAN)
KFK-1400 (EUR-4577.0) (1971) P.253-61 (NSA 26-30214)
KEYWORDS 1 2 3 27
CATIONS U M ANIONS O

1655 ONDRACEK G. 1971-B
KAEMPF H.
THERMAL EXPANSION OF OXIDE FUELS
EURFNR-968 (1971) P.225-32 (NSA 26-56591) (NSA 26-58368)
KEYWORDS 1 2 3 27
CATIONS U M ANIONS O

1656 ONDRACEK G. 1971-C
SCHULZ B.
ON THE CONDUCTIVITY OF CERMETS AND OTHER MULTIPHASE MATERIALS - II. DERIVATION OF THE CONCENTRATION- OR STEREO-METRIC FUNCTION OF THE ELECTRICAL RESISTIVITY FROM THE FIELD EQUATION (IN GERMAN)
BER. DEUT. KFRAM. GES. 48 (1971) P.525-8
KEYWORDS 1 2 14 16 20 W

1657 ONDRACEK G. 1972-A
SCHULZ B.
CRITICAL REMARKS CONCERNING THE CALCULATION OF THERMAL CONDUCTIVITY IN THE SATURN-PROGRAM (IN GERMAN)
PSB-BERICHT 1029 (PHASE IIA) (1972) 8P.
KEYWORDS 1 2 6 14 16 W

1658 ONDRACEK G. 1972-B
SCHULZ B.
ON THE POROSITY DEPENDENCE FOR THE THERMAL CONDUCTIVITY OF CERAMIC FUELS (IN GERMAN)
KFK-1272/3 (1972) P.112-27/112-30 (EUR-4849.D) (NSA 27-26705)
KEYWORDS 1 14 W
CATIONS M ANIONS O

1659 ONDRACEK G. 1973-A
SCHULZ B.
THE POROSITY DEPENDENCE OF THE THERMAL CONDUCTIVITY FOR NUCLEAR FUELS
J. NUCL. MATER. 46 (1973) P.253-8 (NSA 28-779)
KEYWORDS 1 14 W
CATIONS U ANIONS O

ONDRACEK G. - SEE NR 657 1867

1660 ORNL STAFF 1960-A
THERMAL CONDUCTIVITY OF UO2
ORNL-2888 (1960) P.65-6 (NSA 14-10205)
KEYWORDS 2 6 7 30 W
CATIONS U ANIONS O

1661 ORNL STAFF 1960-B
UO2 THERMAL CONDUCTIVITY DETERMINATIONS
ORNL-2888 (1960) P.112-4 (NSA 14-10205)
KEYWORDS 3 6 7 9 W
CATIONS U ANIONS O

1662 ORNL STAFF 1966-A
IN-PILE THERMAL CONDUCTIVITY OF SINGLE-CRYSTAL UO2 DURING IRRADIATION
TID-11295 (PT.1) (5TH ED.) (1966) P.XIX.28-XIX.33 (NSA 22-19078)
KEYWORDS 3 6 10 W
CATIONS U ANIONS O

1663 OSBORNE D.W. 1951-A
WESTRUM E.F. JR.
ENTROPY, ENTHALPY, AND HEAT CAPACITY OF THORIUM DIOXIDE FROM 10 TO 300K
AEC-3927 (1951) P.9-16 (NSA 10-2256)
KEYWORDS 2 5 21
CATIONS T ANIONS O

** 126 **

** 125 **

PANISKO F.E. - SEE NR 74 75 800 802 804 807 1069

PAPPALARDO S. - SEE NR 1361

1677 PAPROCKI S.J. 1960-A
KELLER D.L. HODGE E.S. BOYER C.B.
FOX J.B. KIZER D.E. POREMBKA S.W.
THERMAL CONDUCTIVITY
BMI-1475 (1960) P.42-7 (NSA 15-5339)
KEYWORDS 2 6 9 11 16 W
CATIONS U ANIONS O ADDITIVES ME

PARCHEN L.J. - SEE NR 1069

1678 PARDUE W.M. 1962-A
PLUTONIUM COMPOUNDS
REACTOR MATER. 5 NO.4 (1962) P.24 (NSA 17-11124) (NSA 17-11126)
KEYWORDS 2 6 27 30
CATIONS P ANIONS O

1679 PARDUE W.M. 1963-A
PLUTONIUM COMPOUNDS
REACTOR MATER. 6 NO.2 (1963) P.22-5 (NSA 17-38513)
KEYWORDS 2 6 7 27 30
CATIONS P ANIONS O

1680 PARDUE W.M. 1966-A
FUEL AND FERTILE MATERIALS - PLUTONIUM COMPOUNDS
REACTOR MATERIALS 9 (1966) P.77-8 (NSA 21-2901) (NSA 21-2902)
KEYWORDS 2 6 7 11 24 27 30
CATIONS M ANIONS O

1681 PARDUE W.M. 1968-A
SMITH R.A. HOUSTON M.D. LOZIER D.E.
BROWNING M.F. POBERESKIN M.
SUMMARY REPORT ON DEVELOPMENT PROGRAM FOR FABRICATION OF
238PUO2. TASK 5. PROPERTIES MEASUREMENTS OF THE COMPOSITE AND
PERFORMANCE EVALUATION
BMI-1849 (1968) P.85-99 (NSA 24-46766)
KEYWORDS 2 6 7 11 14 27
CATIONS P ANIONS O

PARDUE W.M. - SEE NR 89

1682 PARK T.A. 1967-A
DIGITAL COMPUTER TECHNIQUES FOR THE HEAT TRANSFER ANALYSIS OF
IRRADIATION ASSEMBLIES
CONF-660511 (1967) P.2.4.1-2.4.9 (NSA 21-21823) (NSA 21-19837)
KEYWORDS 1 3 29 W

PARKER H.S. - SEE NR 340 341

1683 PARKER R. 1966-A
EAGAN J.
IN-PILE CALORIMETRY
UCRL-14766 (1966) 15P. (CONF-660511-8) (NSA 20-33605)
KEYWORDS 3 9 21

1684 PARKER R. 1967-A
EAGAN J.
IN-PILE CALORIMETRY
CONF-660511 (1967) P.3.3.1-3.3.13 (NSA 20-33605) (NSA 21-21823)
KEYWORDS 3 9 21

PARRETTE J.R. - SEE NR 334 336 339

PARRY G.W. - SEE NR 1627

1685 PASCARD R. 1965-A
PLUTONIUM OXIDE FUELS. FABRICATION AND BEHAVIOUR UNDER
IRRADIATION
GENIE ATOMIQUE TOME 4 VOL.1 (1965) P.A2-II (315-323)
KEYWORDS 2 7 26 30
CATIONS M ANIONS O

1686 PASHOS T.J. 1965-A
DE HALAS D.R. KELLER D.L. NEIMARK L.A.
IRRADIATION BEHAVIOR OF CERAMIC FUELS
PROC. 3RD INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 11
(1965) GENEVA P.472-84 (A/CONF.28/P/240) (NSA 18-33055)
KEYWORDS 3 7 11 26
CATIONS V ANIONS O

PASHOS T.J. - SEE NR 1381 1382 1383 1384 1386 1387 1388
- SEE NR 1390 1392 1393 1398 1399 1400 2133

PATIL R.N. - SEE NR 2020

PATIMO C. - SEE NR 737 738 739 740 741 742

1687 PATRASSI E. 1966-A
THERMAL CONDUCTIVITY OF UO2 ON VERY HIGH THERMAL GRADIENT
CERAMIC MEETING (BRUSSELS) EUR/C/4936/62E (1966) 6P. (NSA 17-27734)
KEYWORDS 2 6 7 11 W
CATIONS U ANIONS O

1688 PATRASSI E. 1966-B
THERMAL CONDUCTIVITY OF UO2
CERAMIC FUEL MEETING. (BRUSSELS) FEB. 28-MARCH 2 (1966) P.43-51 (ED.) FERNET P.
KEYWORDS 2 6 7 11 W
CATIONS U ANIONS O

1664 OSBORNE D.W. 1953-A
WESTRUM E.F. JR.
THE HEAT CAPACITY OF THORIUM DIOXIDE FROM 10 TO 300K. THE HEAT
CAPACITY ANOMALIES IN URANIUM DIOXIDE AND NEPTUNIUM DIOXIDE
ANL-5085 (1953) 12P. (AD-15189) (NSA 7-5375)
KEYWORDS 2 5 11 21
CATIONS T ANIONS O

1665 OSBORNE D.W. 1955-A
WESTRUM E.F. JR.
THE HEAT CAPACITY OF THORIUM DIOXIDE FROM 10 TO 300K. THE HEAT
CAPACITY ANOMALIES IN URANIUM DIOXIDE AND NEPTUNIUM DIOXIDE
J. CHEM. PHYS. 21 (1955) P.1884-7 (NSA 7-5375)
KEYWORDS 2 5 11 21
CATIONS T ANIONS O

1666 OSBORNE D.W. 1956-A
WESTRUM E.F. JR. LOHR M.R.
THE HEAT CAPACITY AND THERMODYNAMIC FUNCTIONS OF TETRAURANIUM
NONOXIDE FROM 5 TO 310K
ANL-5603 (1956) 6P. (NSA 10-10120)
KEYWORDS 2 5 21
CATIONS U ANIONS O

1667 OSBORNE D.W. 1957-A
WESTRUM E.F. JR. LOHR M.R.
THE HEAT CAPACITY AND THERMODYNAMIC FUNCTIONS OF TETRAURANIUM
NONOXIDE FROM 5 TO 310K
J. AMER. CHEM. SOC. 79 (1957) P.529-30 (NSA 10-10120)
KEYWORDS 2 5 11 15 21
CATIONS U ANIONS O

OSBORNE D.W. - SEE NR 780 2146 2147

OSBORNE M.F. - SEE NR 219 1556

OSHIMA K. - SEE NR 1107

1668 OYANNA G.K. 1972-A
THEORY FOR THE ANOMALOUS THERMAL PROPERTIES OF URANIUM DIOXIDE
THESIS, UNIV. OF ROCHESTER (ORDER NO. 72-28,783) (1972) 194P.
(NSA 27-11242)
KEYWORDS 1 2 5 11 21 W
CATIONS U ANIONS O

1669 PADEL A. 1969-A
DE NOVION C.H.
ELASTIC CONSTANTS OF THE CARBIDES, NITRIDES, AND OXIDES OF
URANIUM AND PLUTONIUM (IN FRENCH)
J. NUCL. MATER. 33 (1969) P.40-51 (NSA 23-51115)
KEYWORDS 2 6 11 27
CATIONS U P ANIONS O

1670 PADEL A. 1970-A
MECHANICAL PROPERTIES OF URANIUM AND PLUTONIUM BASED CERAMICS
(IN FRENCH)
CEA-R-3953 (1970) 84P. (NSA 24-36964)
KEYWORDS 2 6 27
CATIONS U ANIONS O

1671 PADEL A. 1970-B
MECHANICAL PROPERTIES OF CERAMICS BASED ON URANIUM AND
PLUTONIUM
ORNL-TR-2388 (1970) 80P. (NSA 25-2794) (NSA 24-36964)
KEYWORDS 2 6 27
CATIONS U P ANIONS O

1672 PADEL A. 1970-C
DE NOVION C.H.
ELASTIC CONSTANTS OF URANIUM AND PLUTONIUM CARBIDES, NITRIDES
AND OXIDES
ANL-TRANS-803 (1970) 20P. (NSA 24-14891)
KEYWORDS 2 6 11 27
CATIONS U P ANIONS O

PADEL A. - SEE NR 593 594

PAJOT J. - SEE NR 677

PALGUEV S.F. - SEE NR 2099

PALGUEV S.F. - SEE NR 2100 2101

1673 PALLMER P.G. 1970-A
THERMAL EXPANSION OF MIXED OXIDES
BNWL-1279 (1970) P.2.19-20 (NSA 24-23505) (NSA 24-23504)
KEYWORDS 2 6 7 9 11 27
CATIONS M ANIONS O

1674 PALLMER P.G. 1970-B
LATTICE EXPANSION OF UO2-PUO2
BNWL-1349-1 (1970) P.2.27-2.34 (NSA 24-34971)
KEYWORDS 2 6 7 11 27
CATIONS M ANIONS O

1675 PANISKO F.E. 1971-A
WEBER E.T. CHRISTENSEN J.A.
HIGH BURNUP EFFECT ON MELTING HEAT RATING
WHAN-FR-50 (1971) P.7-75/7-77 (NSA 25-18180)
KEYWORDS 3 4 7 11 26 W
CATIONS M ANIONS O

1676 PANISKO F.E. 1972-A
CHRISTENSEN J.A. ARAVE A.E.
MEASUREMENTS OF MIXED-OXIDE FUEL PIN CENTERLINE TEMPERATURES
TO 2700C
TRANS. AMER. NUCL. SOC. 15 (1972) P.765-6
KEYWORDS 3 7 9 11 W
CATIONS M ANIONS O

** 127 **

** 128 **

- 1689 PATRASSI E. 1967-A
RIPOLAR DIFFUSION EFFECT ON THE THERMAL CONDUCTIVITY OF UO2
SYMPOSIUM ON OXIDE FUEL THERMAL CONDUCTIVITY (STOCKHOLM)
(1967) 15P.
KEYWORDS 2 6 7 11 20 W
CATIONS U ANIONS O
- 1690 PATRASSI E. 1967-B
THERMAL CONDUCTIVITY OF URANIUM DIOXIDE AT VERY HIGH
TEMPERATURE GRADIENTS (IN GERMAN)
J. NUCL. MATER. 22 (1967) P.311-9 (NSA 21-26815)
KEYWORDS 2 6 7 11 W
CATIONS U ANIONS O
- 1691 PATRASSI E. 1967-C
THE THERMAL CONDUCTIVITY OF URANIUM DIOXIDE AT VERY HIGH
TEMPERATURE GRADIENTS
WAPD-TRANS-82 (1967) 16P. (NSA 22-13068)
KEYWORDS 2 6 7 11 W
CATIONS U ANIONS O
- 1692 PATRASSI E. 1967-D
URANIUM DIOXIDE THERMAL CONDUCTIVITY AT VERY HIGH TEMPERATURE
GRADIENTS (IN GERMAN)
KFK-561 (1967) 15P. (NSA 22-15190)
KEYWORDS 2 6 7 11 W
CATIONS U ANIONS O
- 1693 PATRASSI E. 1967-E
URANIUM DIOXIDE THERMAL CONDUCTIVITY AT VERY HIGH TEMPERATURE
GRADIENTS
EURFNR-382 (1967) 15P. (NSA 22-15190)
KEYWORDS 2 6 7 11 W
CATIONS U ANIONS O
- 1694 PATRASSI E. 1969-A
ANSWER TO A COMMENT ON THE THERMAL CONDUCTIVITY OF URANIUM
DIOXIDE AT VERY HIGH THERMAL GRADIENTS
J. NUCL. MATER. 31 (1969) P.356-7 (NSA 23-36237)
KEYWORDS 2 6 7 11 27 W
CATIONS U ANIONS O
- 1695 PATRASSI E. 1969-B
DS 1 MICROPROBE ANALYSIS AND TEMPERATURE DISTRIBUTION
EURATOM COMMUNICATION NO.2434 (1969) JNRC - KARLSRUHE ESTAB.
P.73-4
KEYWORDS 1 3 4 6 7 11 W
CATIONS M ANIONS O
- PATRASSI E. - SEE NR 2046
- 1696 PATTERSON J.W. 1967-A
ROGREN E.C. RAPP R.A.
MIXED CONDUCTION IN ZR(O.85)CA(O.15)O(1.85) AND
TH(O.85)Y(O.15)O(1.925) SOLID ELECTROLYTES
J. ELECTROCHEM. SOC. 114 (1967) P.752-8 (TID-23722) (NSA 21-
32156)
KEYWORDS 2 6 11 16 20
CATIONS T ANIONS O ADDITIVES Y
- PAVLOVIC M. - SEE NR 50
- 1697 PEARSON J.A. 1962-A
THERMAL RESISTANCE OF THE JOINT BETWEEN A NUCLEAR FUEL AND ITS
CANNING MATERIAL
NUCLEAR ENERGY (1962) P.444-9 (NSA 17-6237)
KEYWORDS 1 2 6 8 W
CATIONS U ANIONS O
- 1698 PECH P.K. 1965-A
MESTDAGH G.
CRITICAL DESIGN CONSIDERATIONS FOR IN-PILE THERMAL
CONDUCTIVITY EXPERIMENTS ON UO2
BLG-364 (1965) 45P. (NSA 21-28825)
KEYWORDS 2 3 6 7 11 20 W
CATIONS U ANIONS O
- 1699 PEMBER L.A. 1963-A
PROPERTIES OF CERAMIC FUEL MATERIALS
HW-78260 CH (1963) 4P. (NSA 17-36296)
KEYWORDS 2 6 20 21 26 27 30 W
CATIONS U P T ANIONS O
- 1700 PEMBER L.A. 1967-A
IN-PILE MEASUREMENT OF THE THERMAL EMF OF UO2
CONF-660511 (1967) P.3.10.1-3.10.4 (NSA 21-20593) (NSA 21-
71823)
KEYWORDS 3 6 7 9 20
CATIONS U ANIONS O
- PEMBER L.A. - SEE NR 1061 1062 1109
- PENDLETON J. - SEE NR 754
- PENNINCKX R. - SEE NR 37 38 40 41 42 45 46
- SEE NR 47 48 582 861 862 863 864
- SEE NR 865 866 1587
- 1701 PEREZ R.B. 1968-A
CARROLL R.M. SISMAN O. MORGAN J.G.
IN-PILE THERMAL CONDUCTIVITY OF URANIUM DIOXIDE
ORNL-4229 (1968) P.138-41 (NSA 22-25462) (NSA 22-26093)
KEYWORDS 1 3 6 9 11 18 24 W
CATIONS U ANIONS O
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** 129 **

** 130 **

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** 131 **

** 132 **

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** 133 **

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1776 ROAKE W.E. 1963-B
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BNWL-CC-694 (1966) P.3-1-20 (NSA 21-46963)
KEYWORDS 2 6 11 W
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ROAKE W.E. - SEE NR 174

1778 ROBERT G. 1967-A
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THESIS (UNIVERSITY OF GRENOBLE, FRANCE) (1967) 81P.
KEYWORDS 2 5 6 11 16 20
CATIONS T ANIONS O ADDITIVES Y

** 134 **

ROBERT G. - SEE NR 941 942

ROBERTS B.F. - SEE NR 331

ROBERTS J.T.A. - SEE NR 2203

1779 ROBERTS L.E. 1965-A
BROCK P. FINDLAY J.R. FROST B.R.T.
RUSSELL L.E. SAYERS J.B. WAIT E.
THE BEHAVIOR OF UO2 AND OF (U,PU)O2 FUEL MATERIALS UNDER IRRADIATION
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KEYWORDS 3 6 7 11 W
CATIONS U M ANIONS O

ROBERTSON H.E. - SEE NR 1954

1780 ROBERTSON J.A.L. 1958-A
BAIN A.S. BOOTH A.H. HOWIESON J.
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KEYWORDS 3 7 11 30 W
CATIONS U ANIONS O

1781 ROBERTSON J.A.L. 1958-B
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MORISON W.G. ROBERTSON R.F.S.
BEHAVIOR OF URANIUM OXIDE AS A REACTOR FUEL
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KEYWORDS 3 7 11 30 W
CATIONS U ANIONS O

1782 ROBERTSON J.A.L. 1959-A
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KEYWORDS 1 3 6 7 11 W
CATIONS U ANIONS O

1783 ROBERTSON J.A.L. 1959-B
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KEYWORDS 1 3 6 7 11 30 W
CATIONS U ANIONS O

1784 ROBERTSON J.A.L. 1959-C
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KEYWORDS 1 3 6 7 11 30 W
CATIONS U ANIONS O

1785 ROBERTSON J.A.L. 1960-A
BAIN A.S. RIDAL A.
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KEYWORDS 3 6 7 11 16 W
CATIONS U ANIONS O ADDITIVES Y

1786 ROBERTSON J.A.L. 1960-B
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KEYWORDS 2 6 7 11 15 W
CATIONS U ANIONS O

1787 ROBERTSON J.A.L. 1960-C
DESIGN DATA FOR UO2 - CRITICAL REVIEWS WITH RECOMMENDED VALUES
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KEYWORDS 2 3 6 7 11 14 15 17 26 27 W
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1788 ROBERTSON J.A.L. 1961-A
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KEYWORDS 1 3 6 7 11 W
CATIONS U ANIONS O

1789 ROBERTSON J.A.L. 1962-A
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1790 ROBERTSON J.A.L. 1962-B
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TEMPERATURE DISTRIBUTION IN UO2 FUEL ELEMENTS
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KEYWORDS 1 2 3 6 7 8 11 23 30 W
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AECL-1529 (1962) 26P. (NSA 16-25745)
KEYWORDS 2 7 8 11 30 W
CATIONS U ANIONS O

1792 ROBERTSON J.A.L. 1962-D
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KEYWORDS 2 7 8 11 30 W
CATIONS U ANIONS O

** 135 **

** 136 **

- 1793 ROBERTSON J.A.L. 1963-A
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KEYWORDS 3 6 7 11 30 W
CATIONS U ANIONS O
- 1794 ROBERTSON J.A.L. 1964-A
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AECL-2017 (1964) 13P. (NSA 18-37730)
KEYWORDS 3 6 7 8 11 15 23 24 27 W
CATIONS U ANIONS O
- 1795 ROBERTSON J.A.L. 1965-A
BAIN A.S. MACEWAN J.R. NOTLEY M.J.F.
UO2 PERFORMANCE - THE IMPORTANCE OF TEMPERATURE DISTRIBUTION
PROC. 3RD INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 11
(1965) GENEVA P.395-404 (A/CONF.28/P/17) (NSA 18-37730) (NSA
20-36447)
KEYWORDS 3 6 7 8 11 15 23 24 27 W
CATIONS U ANIONS O
- 1796 ROBERTSON J.A.L. 1966-A
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KEYWORDS 1 2 3 6 7 8 11 14 30 W
CATIONS U ANIONS O
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KEYWORDS 2 11 15 W
CATIONS U ANIONS O
- ROBERTSON J.A.L. - SEE NR 117 118 119 297 350 984 1473
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- 1798 ROBERTSON R.F.S. 1958-A
ALLISON G.M.
IRRADIATION OF COMPACTED AND SINTERED URANIUM OXIDE IN THE X-2
LOOP TESTS X-2-F AND X-2-I
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KEYWORDS 1 3 6 11 W
CATIONS U ANIONS O
- ROBERTSON R.F.S. - SEE NR 1780 1781
- 1799 ROBINSON G.C. 1964-A
KERR J.M. HARRINSON E.N.
UNIRRADIATED FUEL THERMAL CONDUCTIVITY
RAW-3376-1 (1964) P.4-1/17 (NSA 19-9728)
KEYWORDS 1 2 5 7 9 11 23 W
CATIONS V ANIONS O
- 1800 ROBINSON G.C. 1965-A
KERR J.M. HARRINSON E.N.
UNIRRADIATED FUEL THERMAL CONDUCTIVITY
RAW-3376-2 (1965) P.4-1/8 (NSA 19-26878)
KEYWORDS 2 6 7 9 11 23 W
CATIONS V ANIONS O
- 1801 ROKIN M.A. 1965-A
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WATER MODERATED REACTORS
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KEYWORDS 1 3 6 7 11 W
CATIONS M ANIONS O
- ROROFF S.B. - SEE NR 981
- ROCCA U.V. - SEE NR 362 363 365 366
- ROCCINI G. - SEE NR 1434
- 1802 ROEGENER H. 1940-A
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- 1803 ROHSENOW W.M. 1959-A
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KEYWORDS 1 3 29 W
CATIONS U ANIONS O
- 1804 ROLAND H.C. 1967-A
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TEMPERATURE CALCULATIONS IN CYLINDRICAL GEOMETRY
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KEYWORDS 27 29 W
- ROLSTAD E. - SEE NR 1216 1217 1218 1219
- 1805 ROOF R.B. JR. 1960-A
AN EXPERIMENTAL DETERMINATION OF THE CHARACTERISTIC
TEMPERATURE FOR PUO2
J. NUCL. MATER. 2 (1960) P.39-42 (NSA 14-14094)
KEYWORDS 1 2 6 21
CATIONS P ANIONS O
- 1806 ROOF R.B. JR. 1969-A
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LA-DC-12563 (1969) 11P. (CONF-710802-1) (NSA 25-49572)
KEYWORDS 2 17 27
CATIONS P ANIONS O
- 1807 ROOF R.B. JR. 1971-A
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LA-4742 (1971) 16P. (NSA 26-7235)
KEYWORDS 2 6 11 17
CATIONS P ANIONS O
- 1808 ROOF R.B. JR. 1971-B
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238PUO2, PART II
LA-DC-72-602 (1971) 5P. (CONF-720801-1) (NSA 26-38823)
KEYWORDS 2 17 27
CATIONS P ANIONS O
- ROONEY T.A. - SEE NR 1308
- ROSE F.K. - SEE NR 1648
- 1809 ROSE R.G. 1958-A
A NOTE ON THE THERMAL CONDUCTIVITY OF UO2
IGR-TM/R-0175 (1958) 3P. (NSA 15-619)
KEYWORDS 2 3 6 7 11 30 W
CATIONS U ANIONS O
- ROSE R.G. - SEE NR 250
- 1810 ROSEN S. 1972-A
SIMMONS J.M. AITKEN E.A. FROST B.R.T.
TEVEBAUGH A.D. SHEELY W.F.
FUNDAMENTAL PROPERTIES AND BEHAVIOUR OF FUEL MATERIALS IN FAST
REACTOR ENVIRONMENTS
PROC. 4TH INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 4
(1972) GENEVA P.325-41 (A/CONF.49/P/069) (NSA 25-38004)
KEYWORDS 2 6 7 15 23 27 30 W
CATIONS M ANIONS O
- 1811 ROSS A.M. 1958-A
A LITERATURE SURVEY ON THE MEASUREMENT OF THERMAL CONDUCTIVITY
OF SEVERAL SOLIDS INCLUDING URANIUM DIOXIDE
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KEYWORDS 2 6 7 11 12 30 W
CATIONS U ANIONS O
- 1812 ROSS A.M. 1960-A
THE DEPENDENCE OF THE THERMAL CONDUCTIVITY OF URANIUM DIOXIDE
ON DENSITY, MICROSTRUCTURE, STOICHIOMETRY AND THERMAL-NEUTRON
IRRADIATION
AECL-1096 (CRFD-817) (1960) 61P. (NSA 15-5417)
KEYWORDS 2 4 6 11 14 15 17 W
CATIONS U ANIONS O
- 1813 ROSS A.M. 1962-A
STOUTE R.L.
HEAT TRANSFER COEFFICIENT BETWEEN UO2 AND ZIRCALOY-2
AECL-1552 (CRFD-1075) (1962) 72P. (NSA 16-25523)
KEYWORDS 2 6 8 11 W
CATIONS U ANIONS O
- ROSS A.M. - SEE NR 1207 1790
- 1814 ROSS W.J. 1966-A
PUECHL K.H. CALDWELL C.S. MILES J.
SHIPKO F. JUDD W.C.
POST-IRRADIATION EXAMINATION OF UO2-5 WT O/O PUO2 FUELS
TRANS. AMER. NUCL. SOC. 9 (1966) P.40-1 (NSA 20-33958) (NSA
21-1956)
KEYWORDS 3 6 7 11 15 W
CATIONS M ANIONS O
- 1815 ROSS W.J. 1966-B
PUECHL K.H. CALDWELL C.S. MILES J.
SHIPKO F. JUDD W.C.
POST-IRRADIATION EXAMINATION OF 5 W/O PUO2-UO2 FUELS
CONF-660606-53 (1966) 33P. (NSA 21-1956)
KEYWORDS 3 6 7 11 15 W
CATIONS M ANIONS O
- 1816 ROSS W.J. 1966-C
CALDWELL C.S. PUECHL K.H. MILES J.
SHIPKO F.
POSTIRRADIATION EXAMINATION OF 20 WT O/O PUO2-UO2 FUELS
TRANS. AMER. NUCL. SOC. 9 (1966) P.411-2 (NSA 21-8155)
KEYWORDS 3 4 6 7 11 23 24
CATIONS M ANIONS O
- 1817 ROSS W.J. 1966-D
PUECHL K.H. CALDWELL C.S. MILES J.
SHIPKO F. JUDD W.C.
POST EXAMINATION OF UO2-5 W/O PUO2 FUELS
TID-22716 (1966) 3P. (NSA 20-19257)
KEYWORDS 3 6 7 11 15 W
CATIONS M ANIONS O
- ROSS W.J. - SEE NR 351
- 1818 ROSSILLON F. 1966-A
IRRADIATION FACILITIES FOR CERAMIC FUELS IN THE REACTORS OF
C.E.N. - GRENOBLE (IN FRENCH)
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KEYWORDS 3 6 7 9 W
CATIONS U ANIONS O
- 1819 ROTH J. 1964-A
DEVELOPMENT OF PLUTONIUM-BEARING FUEL MATERIALS
NUMEC-2389-1 (1964) P.18 (NSA 18-27863)
KEYWORDS 2 6 11 27
CATIONS M ANIONS O
- 1820 ROTH J. 1964-B
COEFFICIENT OF THERMAL EXPANSION
NUMEC-2389-4 (1964) P.35-50 (NSA 19-13896)
KEYWORDS 2 6 11 15 27
CATIONS M ANIONS O

** 137 **

1821 ROTH J., 1965-A
HALTEMAN E.K.
THERMAL EXPANSION OF COPRECIPITATED (U,PU)O₂ POWDERS BY X-RAY DIFFRACTION TECHNIQUES
NUMEC-2389-9 (1965) 67P. (NSA 20-5890)
KEYWORDS 2 6 11 27
CATIONS M ANIONS O

1822 ROTH J., 1966-A
ANOMALIES OBSERVED IN THE THERMAL EXPANSION OF (PU/U)O₂ SOLID SOLUTIONS BY X-RAY DIFFRACTION TECHNIQUES
TRANS. AMER. NUCL. SOC. 9 (1966) P.414 (NSA 21-8150)
KEYWORDS 2 6 11 27
CATIONS M ANIONS O

1823 ROTH J., 1966-B
CHERRY J.R., HUBERT M.E.
PUO₂-UO₂-ZRO₂ FUEL DEVELOPMENT PROGRAM - FUEL EVALUATION AND PHYSICAL PROPERTY MEASUREMENTS
NUMEC-3505-21 (1966) P.4-9 (EURAE-1767) (NSA 21-11277)
KEYWORDS 2 6 7 27
CATIONS M ANIONS O ADDITIVES ZR

1824 ROTH J., 1967-A
HUBERT M.E., CHERRY J.R., CALDWELL C.S.
THE EFFECTS OF STOICHIOMETRY ON THE THERMAL EXPANSION OF 20 WT O₂ PUO₂-UO₂ FAST REACTOR FUEL
TRANS. AMER. NUCL. SOC. 10 (1967) P.457-8 (NSA 22-4878)
KEYWORDS 2 6 11 15 27
CATIONS M ANIONS O

ROTH J., - SEE NR 352 424 501 939 1080

1825 ROTHMAN A.B., 1970-A
RENKEN C.J., STEWART R.R., TUCKER N.R., DICKERMAN C.E.
RESULTS OF TRANSIENT REACTOR TEST (TREAT) FACILITY TESTS ON MOTION DETECTOR INSTRUMENTATION
ANL-7610 (1970) P.270-3 (NSA 24-47877) (NSA 24-47805)
KEYWORDS 3 6 18 27 W
CATIONS M ANIONS O

ROTOLONI P.L., - SEE NR 362 363 364 365 1342 2041 2042

ROTOLONI R.P., - SEE NR 366

ROUGH F.A., - SEE NR 924 925 1501

1826 ROUTBORT J.L., 1959-A
TEMPERATURE DISTRIBUTION IN A UO₂ FUEL PELLET AND SURROUNDING METAL WALL
AGN-TM-364 (1959) 30P. (NSA 14-7510)
KEYWORDS 1 3 6 7 8 11 W
CATIONS U ANIONS O

ROWE G.H., - SEE NR 963

ROWLAND T.C., - SEE NR 1401 1402

1827 RUBIN P.F., 1967-A
NELSON R.C., PERRY K.J.
THE IRRADIATION OF STOICHIOMETRIC AND HYPOSTOICHIOMETRIC UO₂-PUO₂ FUELS TO EXPOSURES OF 125,000 MWD/MT
TRANS. AMER. NUCL. SOC. 10 (1967) P.102-3 (NSA 21-38643)
KEYWORDS 1 3 6 7 11 15 23 W
CATIONS M ANIONS O

1828 RUBIN P.F., 1970-A
SUMMARY OF (U,PU)O₂ PROPERTIES AND FABRICATION METHODS
GEAP-13592 (1970) P.20-39 (NSA 25-32774)
KEYWORDS 2 3 11 14 15 20 21 27 30 W
CATIONS M ANIONS O

1829 RUBIN P.F., 1971-A
TASK E - FUEL PROPERTIES AND PERFORMANCE EVALUATION
GEAP-10028-40 (1971) P.5.1-5.14 (NSA 26-40224)
KEYWORDS 4 7 26
CATIONS M ANIONS O

1830 RUBIN P.F., 1972-A
MELTING POINTS OF IRRADIATED MIXED OXIDES
GEAP-10028-41 (1972) P.5-22/5-23 (NSA 26-32791)
KEYWORDS 4 7 26
CATIONS M ANIONS O

RUBIN P.F., - SEE NR 1001

1831 RUBIO A., 1971-A
TRILLAT J.J.
COMPARATIVE STUDY OF THE RELATION BETWEEN THE ELECTRIC CONDUCTIVITY AND GRAIN SIZE IN SINTERED URANIUM DIOXIDE (IN FRENCH)
COMPT. REND. ACAD. SCI. (PARIS) VOL.272 SER.B (1971) P.1435-8 (NSA 25-59184)
KEYWORDS 2 6 11 20 23
CATIONS U ANIONS O

1832 RUBIO A., 1972-A
STUDY OF THE RESISTIVITY OF URANIUM DIOXIDE IN RELATION TO ITS MICROSTRUCTURE (IN FRENCH)
CEA-R-4358 (THESIS) (1972) 130P. (NSA 27-11213)
KEYWORDS 2 6 7 11 20 23
CATIONS U ANIONS O

RUBIO A., - SEE NR 1985

** 138 **

RUDMAN R.L., - SEE NR 1844 1845 1847

1833 RUDOLPH J., 1959-A
ON THE CONDUCTION MECHANISM OF OXIDE SEMICONDUCTORS AT HIGH TEMPERATURES (IN GERMAN)
Z. NATURFORSCH. 14A (1959) P.727-37
KEYWORDS 2 5 6 15 20
CATIONS T ANIONS O

1834 RUEDORFF W., 1952-A
VALET G.
ON THE CERIUM-URANIUM BLUE AND THE SEMICONDUCTIVE PROPERTIES OF THE MIXED-CRYSTAL SERIES UO₂-CEO₂ (IN GERMAN)
Z. NATURFORSCH. 7B (1952) P.57 (NSA 6-2062)
KEYWORDS 2 6 16 20
CATIONS U ANIONS O ADDITIVES CE

1835 RUEDORFF W., 1953-A
VALET G.
ON THE CERIUM-URANIUM BLUE AND MIXED-CRYSTALS IN THE SYSTEM CEO₂-UO₂-U₃O₈ (IN GERMAN)
Z. ANORG. ALLGEM. CHEM. 271 (1953) P.257-72 (NSA 7-3408)
KEYWORDS 2 6 11 15 16 20
CATIONS U V ANIONS O ADDITIVES CE

1836 RUEDORFF W., 1953-B
VALET G.
CERIUM-URANIUM BLUE AND MIXED CRYSTALS IN THE SYSTEM CEO₂-UO₂-U₃O₈
AEC-TR-2238 (1953) 14P. (NSA 7-3408) (NSA 9-7277)
KEYWORDS 2 6 11 15 16 20
CATIONS U V ANIONS O ADDITIVES CE

RULLI J.E., - SEE NR 79

1837 RUNFORS U., 1966-A
PROPERTIES OF SINTERED URANIUM DIOXIDE
KR-89 (1966) P.1-29 (NSA 20-36476) (NSA 20-35836)
KEYWORDS 2 3 6 7 10 11 30 W
CATIONS U ANIONS O

RUNFORS U., - SEE NR 1528 2098

1838 RUNNALLS O.J.C., 1959-A
URANIUM DIOXIDE FUEL ELEMENTS
AECL-754 (CRL-55) (1959) 37P. (NSA 13-14028)
KEYWORDS 1 2 3 6 7 11 23 27 30 W
CATIONS U ANIONS O

1839 RUNNALLS O.J.C., 1959-B
CURRENT TRENDS IN REACTOR FUELS. 2. UO₂ - FABRICATION AND PROPERTIES
NUCLEONICS 17 NO.10 (1959) P.104-11 (NSA 13-14028)
KEYWORDS 1 2 3 6 7 11 26 30 W
CATIONS U ANIONS O

1840 RUNNALLS O.J.C., 1959-C
URANIUM DIOXIDE FUEL ELEMENTS
NUCLEAR FUEL ELEMENTS (ED.) HAUSNER H.H., SCHUMAR J.F., (1959) P.22R-56 (NSA 14-10787)
KEYWORDS 2 3 6 7 11 26 30 W
CATIONS U ANIONS O

1841 RUNNALLS O.J.C., 1959-D
ECONOMIC FUELLING WITH URANIUM DIOXIDE
AECL-808 (CRL-56) (1959) 10P. (NSA 13-14504)
KEYWORDS 2 6 7 11 15 W
CATIONS U ANIONS O

1842 RUSSEL L.E., 1961-A
PLUTONIUM CERAMICS AS NUCLEAR FUELS
PROGRESS IN NUCLEAR ENERGY. SERIES IV VOL.4 (1961) P.147-65 (NSA 16-12835)
KEYWORDS 2 6 7 11 26
CATIONS M ANIONS O

RUSSELL L.E., - SEE NR 319 320 1779

RUST K., - SEE NR 1424 1425 1426

RUTTER I., - SEE NR 31

1843 RYSHKEWITCH E., 1960-A
THORIA
OXIDE CERAMICS (1960) P.407-28 (NSA 15-24043)
KEYWORDS 2 6 11 16 20 W
CATIONS T ANIONS O ADDITIVES ZR

SÄELZER H.G., - SEE NR 631

SAKAMOTO K., - SEE NR 35

1844 SALGADO P.G., 1969-A
THAMER B.J., RUDMAN R.L.
GROOVED MELT WIRES FOR TEMPERATURE MEASUREMENTS OF REACTOR FUEL
LA-4321 (1969) 11P. (NSA 24-11188)
KEYWORDS 4 6 7 9 W
CATIONS U ANIONS O

1845 SALGADO P.G., 1969-B
THAMER B.J., RUDMAN R.L.
GROOVED MELT WIRES FOR TEMPERATURE MEASUREMENT OF REACTOR FUEL
CONF-690910 (1969) P.330-49 (NSA 24-18707) (NSA 24-18699)
KEYWORDS 4 6 7 9 W
CATIONS U ANIONS O

** 139 **

** 140 **

1846 SALGADO P.G. 1971-A
SCHILLING F.P. BROCK G.T. HOLMAN K.L.
DETERMINATION OF PYROCARBON THERMAL CONDUCTIVITY BY THE BURST-
REACTOR TECHNIQUE
NUCL. TECHNOL. 11 (1971) P.131-43 (NSA 25-39358)
KEYWORDS 3 6 9 11 W
CATIONS U ANIONS O

1847 SALGADO P.G. 1972-A
THAMER B.J. RUDMAN R.L.
GROOVED MELT WIRES FOR TEMPERATURE MEASUREMENT OF NUCLEAR FUEL
TEMPERATURE, ITS MEASUREMENT AND CONTROL IN SCIENCE AND
INDUSTRY, VOLUME FOUR, PART 1 (1972) P.755-61 (ED.) PLUMB H.H.
KEYWORDS 4 6 7 9 W
CATIONS U ANIONS O

SALING J.H. - SEE NR 2049

SAMSONOV R.V. - SEE NR 1310 1311

1848 SANATHANAN C.K. 1965-A
CARTER J.C. BRITTAN R.O.
THE EFFECTS OF THE THERMAL CHARACTERISTICS OF UO2 UPON THE
DYNAMICS OF HIGH PERFORMANCE FAST REACTORS
ANL-7110 (1965) P.390-6 (NSA 20-20201)
KEYWORDS 1 3 6 18 22 29 W
CATIONS U ANIONS O

1849 SANATHANAN C.K. 1966-A
CARTER J.C. BRITTAN R.O.
TRANSIENT TEMPERATURE DISTRIBUTIONS IN FAST REACTOR FUELS WITH
WIDELY VARYING THERMAL DIFFUSIVITY
ANL-7120 (1966) P.478-85 (NSA 20-38470) (NSA 20-38489)
KEYWORDS 1 2 6 7 11 18 22 W
CATIONS M ANIONS O

SANATHANAN C.K. - SEE NR 397

SANDRERG R.O. - SEE NR 259

1850 SANDENAW T.A. 1961-A
HEAT CAPACITY OF PLUTONIUM DIOXIDE BELOW 320K
TID-15183 (1961) 25P. (LADC-5260) (NSA 17-6049)
KEYWORDS 2 5 21
CATIONS P ANIONS O

1851 SANDENAW T.A. 1962-A
HEAT CAPACITY OF PLUTONIUM DIOXIDE BELOW 325K
LADC-5555 (1962) 25P. (NSA 17-35688)
KEYWORDS 2 5 11 21
CATIONS P ANIONS O

1852 SANDENAW T.A. 1963-A
HEAT CAPACITY OF PLUTONIUM DIOXIDE BELOW 325K
J. NUCL. MATER. 10 (1963) (LADC-5555) P.165-72 (NSA 17-35688)
KEYWORDS 2 5 11 21
CATIONS P ANIONS O

1853 SANDERS J.P. 1966-A
APPROPRIATE VALUES FOR THE THERMAL CONDUCTIVITY OF UO2 FOR USE
IN THE DESIGN OF THE BONUS SUPERHEATERS
ORNL-TM-1450 (1966) 8P. (NSA 20-39403)
KEYWORDS 2 6 7 11 30 W
CATIONS U ANIONS O

SANDERSON R.J. - SEE NR 70

SANDUSKY D.W. - SEE NR 88

1854 SARI C. 1972-A
DETERMINATION OF THE RADIAL TEMPERATURE PROFILE IN MIXED
OXIDES
EURATOM COMMUNICATION NO.2833 (1972) JNRC - KARLSRUHE ESTAB.
P.27-30
KEYWORDS 3 6 7 11 W
CATIONS M ANIONS O

SARI C. - SEE NR 293 294 814 815 1731

SASAYAMA T. - SEE NR 1258

SATO K. - SEE NR 71

1855 SATOH H. 1969-A
HAYASHI H. MATSUMOTO K. KOBAYAKAWA T.
IRRADIATION TESTING OF PUO2-UO2 FUEL PINS IN JRR-2. DESIGN,
SPECIFICATION, FABRICATION AND SAFETY ANALYSIS
PNCT-9006 (PNCPU-REPORT-059) (1969) P.93-119
KEYWORDS 1 3 6 7 11 W
CATIONS M ANIONS O

1856 SATOH M. 1970-A
MASUYAMA S. KOIZUMI M. NORO K.
EFFECT OF SOLID FISSION PRODUCTS ON THE LATTICE PARAMETER OF
(U,PU)O2
PNC-N-831-70-2 (1970) P.49-53 (CONF-700345-5) (NSA 26-33851)
(NSA 26-33845)
KEYWORDS 3 6 11 16 27
CATIONS M ANIONS O ADDITIVES FS

SATOH M. - SEE NR 1171

SAUR G. - SEE NR 1021 1022

SAVAGE H. - SEE NR 1249

1857 SAYERS J.B. 1962-A
WORTH J.H.
COMPARISON OF THE IRRADIATION BEHAVIOUR OF 1 O/O PUO2 IN UO2
AND STOICHIOMETRIC UO2
POWER REACTOR EXPERIMENTS (VIENNA). IAEA (STI/PUB/51) VOL.1
(1962) P.171-83 (NSA 16-11248) (NSA 16-11256)
KEYWORDS 3 4 6 7 11 W
CATIONS M ANIONS O

SAYERS J.B. - SEE NR 487 1779

1858 SAYLES C.W. 1967-A
A THREE-REGION ANALYTICAL MODEL FOR THE DESCRIPTION OF THE
THERMAL BEHAVIOR OF LOW DENSITY OXIDE FUEL RODS IN A FAST
REACTOR ENVIRONMENT
TRANS. AMER. NUCL. SOC. 10 (1967) P.458-9 (NSA 22-4906)
KEYWORDS 1 3 29 W
CATIONS M ANIONS O

1859 SAYLES C.W. 1968-A
AN ANALYSIS OF THE EFFECTS OF SMEARED DENSITY ON THE THERMAL
AND BURNUP BEHAVIOR OF MIXED-OXIDE FAST REACTOR FUEL PINS
TRANS. AMER. NUCL. SOC. 11 (1968) P.509-10 (NSA 23-4229)
KEYWORDS 1 3 6 7 11 14 29 W
CATIONS M ANIONS O

1860 SAYLES C.W. 1969-A
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A SYSTEMATIC APPROACH TO THE PREDICTION OF FUEL PIN LIFETIMES
CERAMIC NUCLEAR FUELS (1969) P.244-52 (EDS.) KRUGER C.L.,
KAZNOFF A.I., (NSA 24-10134)
KEYWORDS 1 2 3 6 7 11 29 W
CATIONS M ANIONS O

1861 SAYLES C.W. 1971-A
NATHAN M.E.
THERMAL PERFORMANCE OF FUEL RODS AND THE PERFORMANCE OF
LMFBR'S
TRANS. AMER. NUCL. SOC. VOL.14 SUPPL. NO.1 (1971) P.16-7 (NSA
25-34370) (NSA 25-34361)
KEYWORDS 1 3 29 W
CATIONS M

1862 SAYLES C.W. 1971-B
NATHAN M.E.
THERMAL PERFORMANCE OF FUEL RODS AND THE PERFORMANCE OF LMFBR'S
PROC. OF THE CONF. ON FAST REACTOR FUEL ELEMENT TECHNOLOGY
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(NSA 26-60544) (NSA 26-60559)
KEYWORDS 1 3 11 26 29 W
CATIONS M ANIONS O

1863 SCHAEKERS J.M. 1969-A
LOVELL G.H.B.
THE FABRICATION AND PROPERTIES OF URANO-URANIC OXIDE (U3O8)
PEL-195 (1969) P.7-9 (NSA 24-23511)
KEYWORDS 2 6 11 27 W
CATIONS U ANIONS O

SCHANER B.E. - SEE NR 79

1864 SCHEIRE H. 1963-A
STEINKOPFF H. QUAECK I. HUETTIG W.
FISSIONABLE AND FERTILE MATERIALS (IN GERMAN)
WERKSTOFFE DER KERNTTECHNIK (1963) P.109-115 (PUBL.) VER
DEUTSCHER VERLAG DER WISSENSCHAFTEN (NSA 19-22883)
KEYWORDS 2 21 26 27 30 W
CATIONS U ANIONS O

1865 SCHEMMELE R.R. 1970-A
GORDON R.L.
INSULATION RESISTIVITY MEASUREMENTS AT HIGH TEMPERATURES
WHAN-SA-69 (1970) 17P. (CONF-701102-16) (NSA 25-15968)
KEYWORDS 2 7 9 20
CATIONS T ANIONS O

1866 SCHEMMELE R.R. 1972-A
PHILIPP L.D. GORDON R.L. BATES J.L.
RESISTIVITY MEASUREMENTS OF INSULATORS AT HIGH TEMPERATURES
USING THE FOUR-PROBE TECHNIQUE
HEDL-TME-72-73 (1972) 42P. (NSA 27-4343)
KEYWORDS 2 7 9 20
CATIONS T ANIONS O

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1867 SCHIKARSKI W. 1972-A
ONDRACEK G.
MEASUREMENTS ABOUT THE EFFECT OF GRAIN BOUNDARIES ON THE
ELECTRICAL RESISTIVITY OF URANIUM DIOXIDE
J. NUCL. MATER. 45 (1972) P.171-3 (KFK-1775) (NSA 27-8928)
KEYWORDS 2 6 20 24
CATIONS U ANIONS O

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SCHILLING F.P. - SEE NR 1846

1868 SCHILMOELLER N.H. 1969-A
WHITE D.
TRANSIENT SYSTEM FOR MEASUREMENT OF THERMAL PROPERTIES OF
NUCLEAR FUEL POWDERS OF VARYING DENSITIES
PROC. 8TH CONF. ON THERMAL CONDUCTIVITY (1969) WEST LAFAYETTE
P.857-70 (NSA 24-39711) (NSA 24-39646)
KEYWORDS 2 6 12 14 18 W
CATIONS U ANIONS O

SCHMID U.A. - SEE NR 1463

** 141 **

** 142 **

1869 SCHMIDT H.E. 1961-A
ELECTRICAL RESISTIVITY MEASUREMENTS OF SINTERED UO2 (IN FRENCH)
COMPTE RENDU D'ESSAI 231 (1961) CEA 31P.
KEYWORDS 2 6 11 16 20
CATIONS U ANIONS O ADDITIVES NB

1870 SCHMIDT H.E. 1961-B
ELECTRICAL RESISTIVITY MEASUREMENTS OF SINTERED UO2
EURAE-213 (1961) 33P. (NSA 16-16720)
KEYWORDS 2 6 11 16 20
CATIONS U ANIONS O

1871 SCHMIDT H.E. 1962-A
ELECTRICAL RESISTIVITY OF UO2-PUO2 COMPOUNDS BETWEEN 20C AND 700C (IN FRENCH)
EURAE-365 (APPENDIX 1) (1962) 4P. (NSA 17-6536)
KEYWORDS 2 6 11 20
CATIONS M ANIONS O

1872 SCHMIDT H.E. 1962-B
MEASUREMENTS OF THERMAL CONDUCTIVITY AT HIGH TEMPERATURES - PRELIMINARY STUDY (IN FRENCH)
COMPTE RENDU D'ESSAI 276 (1962) CEA 32P.
KEYWORDS 2 6 7 9 11 30 W

1873 SCHMIDT H.E. 1962-C
STUDY OF CERTAIN PHYSICAL PROPERTIES OF UO2-PUO2
EURAE-429 (1962) P.2-6 (NSA 17-3391)
KEYWORDS 2 6 11 20
CATIONS U M ANIONS O

1874 SCHMIDT H.E. 1963-A
A STUDY OF CERTAIN PHYSICAL PROPERTIES OF UO2 AND UO2-PUO2
EURAE-566 (1963) P.2-7 (NSA 18-8732)
KEYWORDS 2 6 11 15 20
CATIONS M ANIONS O

1875 SCHMIDT H.E. 1964-A
STUDY OF PHYSICAL PROPERTIES OF UO2 AND UO2-PUO2 (IN FRENCH)
COMPTE RENDU D'ESSAI 380 (1964) CEA 41P. (NSA 18-39894)
KEYWORDS 2 6 7 11 16 20 W
CATIONS M ANIONS O ADDITIVES NB

1876 SCHMIDT H.E. 1964-B
STUDY OF PHYSICAL PROPERTIES OF UO2-PUO2
EURAE-1110 (1964) 41P. (NSA 18-39894)
KEYWORDS 2 6 7 11 16 20 W
CATIONS M ANIONS O

1877 SCHMIDT H.E. 1966-A
RICHTER J. VAN DEN BERG M.
THERMAL CONDUCTIVITY MEASUREMENTS ON URANIUM-PLUTONIUM MIXED OXIDES
PROC. 6TH CONF. ON THERMAL CONDUCTIVITY (1966) DAYTON P.527-45
KEYWORDS 2 6 7 11 15 W
CATIONS M ANIONS O

1878 SCHMIDT H.E. 1967-A
VAN DEN BERG M.
MEASUREMENT OF THERMAL DIFFUSIVITY OF URANIUM-PLUTONIUM MIXED OXIDES AT HIGH TEMPERATURES (IN GERMAN)
INTERNAL REPORT NO.8 (1967) JNRC - KARLSRUHE ESTAB. 12P.
KEYWORDS 2 6 7 11 W
CATIONS M ANIONS O

1879 SCHMIDT H.E. 1967-B
STUDY OF PHYSICAL PROPERTIES (HEAT CONDUCTIVITY)
EURATOM COMMUNICATION NO.1580 (1967) JNRC - KARLSRUHE ESTAB. P.11-3
KEYWORDS 2 6 11 W
CATIONS M ANIONS O

1880 SCHMIDT H.E. 1967-C
STUDY OF PHYSICAL PROPERTIES (THERMAL CONDUCTIVITY)
EURATOM COMMUNICATION NO.1522 (1967) JNRC - KARLSRUHE ESTAB. P.17-21
KEYWORDS 2 6 7 11 15 16 W
CATIONS M ANIONS O ADDITIVES CE

1881 SCHMIDT H.E. 1967-D
RICHTER J.
THE INFLUENCE OF STOICHIOMETRY ON THE THERMAL CONDUCTIVITY OF (UO2)0.8(PUO2)0.2
SYMPOSIUM ON OXIDE FUEL THERMAL CONDUCTIVITY (STOCKHOLM). E-7474.5P (1967) 4P.
KEYWORDS 2 6 7 11 15 W
CATIONS M ANIONS O

1882 SCHMIDT H.E. 1967-E
NON-STEADY STATE METHODS FOR THE DETERMINATION OF HEAT TRANSPORT PARAMETERS IN SOLIDS AT HIGH TEMPERATURES
25TH STRUCTURES AND MATERIALS PANEL MEETING OF THE AGARD (1967) OTTAWA 17P.
KEYWORDS 2 7 9 11 30 W
CATIONS M ANIONS O

1883 SCHMIDT H.E. 1967-F
STUDY OF PHYSICAL PROPERTIES (THERMAL CONDUCTIVITY)
EURATOM COMMUNICATION NO.1745 (1967) JNRC - KARLSRUHE ESTAB. P.25-9
KEYWORDS 2 6 7 11 15 W
CATIONS M ANIONS O

1884 SCHMIDT H.E. 1968-A
STUDY OF PHYSICAL PROPERTIES (THERMAL CONDUCTIVITY AND DIFFUSIVITY)
EURATOM COMMUNICATION NO.2007 (1968) JNRC - KARLSRUHE ESTAB. P.22-6
KEYWORDS 2 6 7 11 15 20 W
CATIONS M ANIONS O

1885 SCHMIDT H.E. 1968-B
STUDY OF PHYSICAL PROPERTIES (THERMAL CONDUCTIVITY AND DIFFUSIVITY)
EURATOM COMMUNICATION NO.2172 (1968) JNRC - KARLSRUHE ESTAB. P.35-41
KEYWORDS 2 6 7 11 15 W
CATIONS M ANIONS O

1886 SCHMIDT H.E. 1969-A
PHYSICAL PROPERTY MEASUREMENTS (THERMAL CONDUCTIVITY)
EURATOM COMMUNICATION NO.2300 (1969) JNRC - KARLSRUHE ESTAB. P.26-31
KEYWORDS 2 6 7 11 20 W
CATIONS M ANIONS O

1887 SCHMIDT H.E. 1969-B
RICHTER J. VAN DEN BERG M.
NEW METHOD OF MEASURING THERMAL CONDUCTIVITY (IN GERMAN)
HIGH TEMP. - HIGH PRESSURES 1 (1969) P.185-97 (NSA 24-8187)
KEYWORDS 2 6 9 11 15 W
CATIONS M ANIONS O

1888 SCHMIDT H.E. 1969-C
VAN DEN BERG M. VAN DER HOEK L.
MEASUREMENT OF THE THERMAL DIFFUSIVITY BY THE METHOD OF MODULATED ELECTRON BEAM (IN GERMAN)
HIGH TEMP. - HIGH PRESSURES 1 (1969) P.309-25 (NSA 24-34871)
KEYWORDS 2 6 7 9 11 W
CATIONS M ANIONS O

1889 SCHMIDT H.E. 1969-D
ENERGY TRANSPORT
EURATOM COMMUNICATION NO.2434 (1969) JNRC - KARLSRUHE ESTAB. P.38-41
KEYWORDS 2 6 7 11 15 W
CATIONS M ANIONS O

1890 SCHMIDT H.E. 1970-A
RICHTER J. VAN DEN BERG M.
NEW METHOD FOR MEASUREMENT OF THERMAL CONDUCTIVITY (IN GERMAN)
BMBW-FB K 70-01 (1970) P.176-200 (NSA 24-34978) (NSA 24-34837)
KEYWORDS 2 6 9 11 15 W
CATIONS M ANIONS O

1891 SCHMIDT H.E. 1970-B
THE VARIATION OF THE THERMAL CONDUCTIVITY OF MIXED OXIDES WITH PLUTONIUM CONCENTRATION. INFLUENCE OF SELF-IRRADIATION INDUCED DEFECTS ON THE THERMAL CONDUCTIVITY OF PLUTONIUM DIOXIDE
EURATOM COMMUNICATION NO.2576 (1970) JNRC - KARLSRUHE ESTAB. P.29-30/83-5
KEYWORDS 2 6 7 11 15 17 W
CATIONS M ANIONS O

1892 SCHMIDT H.E. 1970-C
CALIGARA F.
THERMAL CONDUCTIVITY AND CONDUCTIVITY INTEGRALS OF URANIUM PLUTONIUM MIXED OXIDES (IN GERMAN)
REAKTORTAGUNG BERLIN, DEUTSCHES ATOMFORUM E.V. (1970) P.566-9 (CONF-700438) (NSA 25-56877)
KEYWORDS 1 2 3 6 7 11 15 29 W
CATIONS M ANIONS O

1893 SCHMIDT H.E. 1970-D
THERMAL CONDUCTIVITY INTEGRALS OF MIXED OXIDES
EURATOM COMMUNICATION NO.2664 (1970) JNRC - KARLSRUHE ESTAB. P.60
KEYWORDS 1 2 6 7 11 W
CATIONS M ANIONS O

1894 SCHMIDT H.E. 1970-E
VAN DEN BERG M. VAN DER HOEK L.
MEASUREMENT OF THE THERMAL DIFFUSIVITY BY THE METHOD OF ELECTRON BEAM (IN GERMAN)
BMBW-FB K 70-01 (1970) P.95-124 (NSA 24-34871) (NSA 24-34837)
KEYWORDS 2 6 7 9 11 W
CATIONS U ANIONS O

1895 SCHMIDT H.E. 1971-A
CONSIDERATIONS ON THE THERMAL CONDUCTIVITY OF UO2 AT HIGH TEMPERATURES
EURATOM COMMUNICATION NO.2750 (1971) JNRC - KARLSRUHE ESTAB. P.59-62
KEYWORDS 1 2 6 7 21 W
CATIONS U ANIONS O

1896 SCHMIDT H.E. 1971-B
THERMAL CONDUCTIVITY OF FISSION-DOPED MIXED OXIDE
EURATOM COMMUNICATION NO.2750 (1971) JNRC - KARLSRUHE ESTAB. P.62-4
KEYWORDS 3 6 11 15 16 W
CATIONS M ANIONS O

1897 SCHMIDT H.E. 1971-C
SOME CONSIDERATIONS ON THE THERMAL CONDUCTIVITY OF STOICHIOMETRIC URANIUM DIOXIDE AT HIGH TEMPERATURES
J. NUCL. MATER. 39 (1971) P.234-7 (NSA 25-29967)
KEYWORDS 1 2 7 11

1898 SCHMIDT H.E. 1971-D
ON THE HIGH-TEMPERATURE BEHAVIOUR OF THE THERMAL CONDUCTIVITY OF UO2 AND (U)UO2
INTERNAL REPORT NO.174 (1971) JNRC - KARLSRUHE ESTAB. 26P.
KEYWORDS 1 2 6 7 15 W
CATIONS U M ANIONS O

1899 SCHMIDT H.E. 1971-E
EXPERIMENTAL METHODS FOR THE STUDY OF PLUTONIUM-BEARING FUEL MATERIALS (IN GERMAN)
KFK-1418 (1971) P.17-20 (NSA 26-15672)
KEYWORDS 2 17 27 30 W
CATIONS P ANIONS O

** 143 **

** 144 **

- 1900 SCHMIDT H.E. 1971-F
EXPERIMENTAL FINDINGS ON HEAT TRANSFER BETWEEN FUEL AND CAN
(IN GERMAN)
KFK-1400 (EUR-4577.D) (1971) P.199-218 (NSA 26-30214)
KEYWORDS 2 3 8 30 W
- 1901 SCHMIDT H.E. 1971-G
THERMAL CONDUCTIVITY OF UNIRRADIATED CERAMIC NUCLEAR FUELS.
SOME REMARKS CONCERNING OUR PRESENT STATE OF KNOWLEDGE (IN
GERMAN)
KFK-1400 (EUR-4577.D) (1971) P.227-45 (NSA 26-30214)
KEYWORDS 2 3 11 15 30 W
CATIONS U M ANIONS O
- 1902 SCHMIDT H.E. 1971-H
THERMAL CONDUCTIVITIES OF URANIUM OXIDE AND OF MIXED URANIUM-
PLUTONIUM OXIDES UP TO THEIR MELTING POINTS (IN GERMAN)
HIGH TEMP. - HIGH PRESSURES 3 (1971) P.345-53 (NSA 26-25982)
KEYWORDS 2 6 7 21 W
CATIONS M ANIONS O
- 1903 SCHMIDT H.E. 1971-I
RICHTER J.
THE INFLUENCE OF SELF-IRRADIATION ON THE CONDUCTIVITY OF
ACTINIDE OXIDES (ABSTRACT)
HIGH TEMP. - HIGH PRESSURES 3 (1971) P.6 (ABSTRACTS)
KEYWORDS 2 6 17 20 W
CATIONS P ANIONS O
- 1904 SCHMIDT H.E. 1971-J
EXPERIMENTAL FINDINGS ON HEAT TRANSFER BETWEEN FUEL AND CAN
EURFNR-968 (1971) P.184-200 (NSA 26-58058) (NSA 26-58368)
KEYWORDS 2 3 8 30 W
CATIONS M ANIONS O
- 1905 SCHMIDT H.E. 1971-K
THERMAL CONDUCTIVITY OF UNIRRADIATED CERAMIC NUCLEAR FUELS
EURFNR-968 (1971) P.210-19 (NSA 26-56589) (NSA 26-58368)
KEYWORDS 2 3 11 15 30 W
CATIONS U M ANIONS O
- 1906 SCHMIDT H.E. 1972-A
VAN DEN BERG M.
CONSIDERATIONS ON THE THERMAL CONDUCTIVITY OF MIXED OXIDES
WITH DIFFERENT STOICHIOMETRIES AT HIGH TEMPERATURES
EURATOM COMMUNICATION NO.2833 (1972) JNRC - KARLSRUHE ESTAB.
P.31-6
KEYWORDS 1 2 6 7 21 W
CATIONS M ANIONS O
- 1907 SCHMIDT H.E. 1972-B
THERMAL CONDUCTIVITY OF FISSION DOPED MIXED OXIDES
EURATOM COMMUNICATION NO.2833 (1972) JNRC - KARLSRUHE ESTAB.
P.36-9
KEYWORDS 2 3 6 7 11 16 W
CATIONS M ANIONS O ADDITIVES FS
- 1908 SCHMIDT H.E. 1972-C
VAN DEN BERG M.
IN PILE EXPERIMENT TREGAP
EURATOM COMMUNICATION NO.2874 (1972) JNRC - KARLSRUHE ESTAB.
P.52-5
KEYWORDS 3 9 29 W
- 1909 SCHMIDT H.E. 1972-D
THERMAL CONDUCTIVITY OF URANIUM DIOXIDE AND OF URANIUM-
PLUTONIUM DIOXIDES AT HIGH TEMPERATURES (IN GERMAN)
FORSCH. INGENIEURW. 38 (1972) P.149-51 (NSA 27-25122)
KEYWORDS 2 6 7 21 W
CATIONS M ANIONS O
- 1910 SCHMIDT H.E. 1972-E
TASMAN H.A. VAN DEN BERG M.
IN-PILE EXPERIMENT TRESON
EURATOM COMMUNICATION NO.2939 (1972) JNRC - KARLSRUHE ESTAB.
P.32-5
KEYWORDS 3 7 9 W
CATIONS M ANIONS O
- 1911 SCHMIDT H.E. 1972-F
VAN DEN BERG M.
IN-PILE EXPERIMENT TREGAP
EURATOM COMMUNICATION NO.2939 (1972) JNRC - KARLSRUHE ESTAB.
P.35-9
KEYWORDS 3 6 7 9 W
CATIONS M ANIONS O
- 1912 SCHMIDT H.E. 1973-A
VAN DEN BERG M.
PREPARATION OF THERMAL IN-PILE MEASUREMENTS (TREGAP)
EURATOM COMMUNICATION NO.3014 (1973) JNRC - KARLSRUHE ESTAB.
P.40-1 (TUSR-14)
KEYWORDS 8 9 W
CATIONS M ANIONS O
- 1913 SCHMIDT H.E. 1973-B
THE THERMAL CONDUCTIVITY OF AMERICIUM OXIDE
EURATOM COMMUNICATION NO.3014 (1973) JNRC - KARLSRUHE ESTAB.
P.111-3 (TUSR-14)
KEYWORDS 2 17 W
CATIONS X ANIONS O
- SCHMIDT H.E. - SEE NR 703 1750 1751 1766 1767 1768 1769
- SEE NR 2034 2086 2087 2088
- 1914 SCHMITTEN IN DER W. 1966-A
PROPERTIES OF VIBRATORY COMPACTED UO2
KR-89 (1966) P.30-54 (NSA 20-35888) (NSA 20-36476)
KEYWORDS 2 6 7 12 14 23 30 W
CATIONS U ANIONS O
- 1915 SCHMITTEN IN DER W. 1966-B
COMPARISON BETWEEN VIBRATORY COMPACTED, SWAGED AND PELLET
FILLED ELEMENTS
KR-89 (1966) P.181-96 (NSA 20-36476) (NSA 20-35861)
KEYWORDS 1 2 6 7 11 12 30 W
CATIONS U ANIONS O
- 1916 SCHMITZ F. 1969-A
STRUCTURES AND PROPERTIES OF (U+PU)O2 CONTAINING NON-ACTIVE
FISSION PRODUCTS. A SIMULATION OF IRRADIATED NUCLEAR FUEL (IN
FRENCH)
CEA-R 3795 (1969) 41P. (NSA 23-32070)
KEYWORDS 2 6 11 16 W
CATIONS M ANIONS O ADDITIVES FS
- 1917 SCHMITZ F. 1970-A
DEAN G. HOUSSEAU M. DE KEROULAS F.
VAN CRAEYNEST J.C.
INFLUENCE OF FISSION-PRODUCTS ON THE PROPERTIES OF MIXED
OXIDES (U+PU)O2 (IN FRENCH)
NOTE TECHNIQUE SECBPU-115 (1970) CEA 15P.
KEYWORDS 2 3 6 11 16 20 W
CATIONS M ANIONS O ADDITIVES FS
- 1918 SCHMITZ F. 1970-B
DEAN G. HOUSSEAU M. DE KEROULAS F.
VAN CRAEYNEST J.C.
INFLUENCE OF FISSION PRODUCTS ON THE PROPERTIES OF THE MIXED
OXIDES (U+PU)O2(2+-X)
FAST REACTOR FUEL AND FUEL ELEMENTS (1970) P.396-410 (EDS.)
DALLE DONNE M., KUMMERER K., SCHROETER K., (NSA 25-47159)
KEYWORDS 2 3 6 11 16 W
CATIONS M ANIONS O ADDITIVES FS
- 1919 SCHMITZ F. 1971-A
DEAN G. HALACHMY M.
APPLICATION OF LATTICE CONSTANT MEASUREMENTS FOR STOICHIOMETRY
DETERMINATION IN IRRADIATED U-PU MIXED OXIDE FUELS
J. NUCL. MATER. 40 (1971) P.325-37 (NSA 25-52461)
KEYWORDS 1 3 6 7 11 15
CATIONS M ANIONS O
- SCHMITZ F.K. - SEE NR 502 503
- 1920 SCHOEERLE D.F. 1963-A
HEESTAND J. MILLER L.B.
A METHOD OF CALCULATING TRANSIENT TEMPERATURES IN A
MULTIREGION, AXISYMMETRIC, CYLINDRICAL CONFIGURATION. THE
ARGUS PROGRAM, 1089/RE248, WRITTEN IN FORTRAN II
ANL-6654 (1963) P.118+1(ERRATA) (NSA 18-23763)
KEYWORDS 1 3 18 29 W
- SCHOEERLE D.F. - SEE NR 989
- 1921 SCHOENERBERG R. 1971-A
ERNST H.
PROBABILITY OF ROD- AND PELLET FAILURE IN FAST REACTORS (HLB)
(IN GERMAN)
NUCL. ENG. DES. 16 (1971) P.87-99 (NSA 25-51105)
KEYWORDS 1 3 18 29 W
- 1922 SCHOLES W.A. 1950-A
THERMAL CONDUCTIVITY OF BODIES OF HIGH BEO CONTENT
J. AMER. CERAM. SOC. 33 (1950) P.111-7 (NSA 4-3436)
KEYWORDS 2 6 16 20 W
CATIONS T ANIONS O ADDITIVES AL BE
- SCHONFELD F.W. - SEE NR 1309
- 1923 SCHREIBER R.E. 1967-A
A GAMMA THERMOMETER
CONF-660511 (1967) P.6.3.1-6.3.15 (NSA 21-21823) (NSA 21-
19797)
KEYWORDS 3 9 W
- SCHROEDER T.F. - SEE NR 374
- SCHULTE J.W. - SEE NR 790 1752
- 1924 SCHULZ B. 1971-A
BURN-UP DEPENDENCE OF THE THERMAL CONDUCTIVITY OF UO2 AND
(U+PU)O2 (IN GERMAN)
KFK-1400 (EUR-4577.D) (1971) P.247-51 (NSA 26-30214)
KEYWORDS 3 6 7 W
CATIONS U M ANIONS O
- 1925 SCHULZ B. 1971-B
BURNUP DEPENDENCE OF THE THERMAL CONDUCTIVITY OF UO2 AND
(U+PU)O2
EURFNR-968 (1971) P.220-4 (NSA 26-56590) (NSA 26-58368)
KEYWORDS 3 6 7 W
CATIONS U M ANIONS O
- 1926 SCHULZ B. 1972-A
CALCULATION OF THE TEMPERATURE DISTRIBUTION UNDER IRRADIATION
(IN GERMAN)
KFK-1272/1 (1972) P.112-18/112-20 (EUR-4844.D) (NSA 27-19072)
KEYWORDS 3 30 W
CATIONS M ANIONS O
- SCHULZ B. - SEE NR 657 1030 1656 1657 1658 1659
- SCHUMACHER G. - SEE NR 293 294

** 145 **

** 146 **

SCHURIG C. - SEE NR 2003

SCHWARTZ A.G. - SEE NR 93

SCHWARTZ C.M. - SEE NR 1540 2091

1927 SCHWARZWAELDER R. 1967-A
INVESTIGATION ON THE HEAT TRANSFER BETWEEN FUEL AND CLADDING AND ON THE INTERACTIONS BETWEEN FUEL AND CLADDING DURING SHORT-DURATION IRRADIATIONS UNDER BOILING WATER REACTOR CONDITIONS (IN GERMAN)
ATOMKERNENERGIE 12 (1967) P.343-56 (NSA 21-42840)
KEYWORDS 3 6 8 11 W
CATIONS U ANIONS O

SCHWEINBERG R.N. - SEE NR 1594 1595

SCOTT J.H. - SEE NR 552

1928 SCOTT J.L. 1964-A
MICHELSON C. DECARLO V.A. ADAMS R.E.
THERMAL CONDUCTIVITY DETERMINATIONS BASED ON IRRADIATION TEST DATA
ORNL-3523 (1964) P.341-3 (NSA 18-15530) (NSA 18-15534)
KEYWORDS 3 6 7 12 W
CATIONS U K ANIONS O

1929 SCOTT J.L. 1964-B
MORGAN J.G. DECARLO V.A.
IRRADIATION EVALUATION OF FUEL ELEMENTS FOR THE PBRE AND AVR REACTORS
ORNL-P-1507 (1964) 4P. (NSA 19-44749)
KEYWORDS 3 6 12 W
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1930 SCOTT J.L. 1965-A
FUELED-GRAPHITE IRRADIATION TESTS
ORNL-3870 (1965) P.204-7 (NSA 20-4306)
KEYWORDS 3 12 W
CATIONS K ANIONS O

SCOTT J.L. - SEE NR 1515 1516 1649

1931 SCOTT R. 1958-A
THERMAL CONDUCTIVITY OF UO2
AERE-M/R-2526 (1958) 13P. (NSA 12-12891)
KEYWORDS 2 6 7 11 20 W
CATIONS U ANIONS O

SCUDERI T.G. - SEE NR 2104

1932 SEDDON B.J. 1960-A
URANIUM CERAMICS DATA MANUAL
DEG-REPORT-120 (1960) 68P. (AMENDMENT 1964) (NSA 15-4280)
KEYWORDS 2 3 6 7 11 20 21 26 30 W
CATIONS U ANIONS O

1933 SEDDON B.J. 1968-A
PHYSICAL PROPERTIES OF SOME PLUTONIUM CERAMIC COMPOUNDS - A DATA MANUAL
TRG-REPORT 1601 (R) (1968) 54P. (NSA 22-43651)
KEYWORDS 2 6 7 11 20 26 27 30 W
CATIONS P M ANIONS O

SEGRE G.J. - SEE NR 362 516

1934 SEIDL K. 1963-A
URANIUM DIOXIDE AS A NUCLEAR FUEL (IN CZECH)
JAD. ENERGIJA (1963) P.49-58 (NSA 17-18805)
KEYWORDS 2 11 21 30 W
CATIONS U ANIONS O

SEIFERT R.L. - SEE NR 2116 2117

SEKI Y. - SEE NR 1251 1252 1253 2025 2026

SELANDER W.N. - SEE NR 263

SELTORP L. - SEE NR 235

SENIN M.D. - SEE NR 1715 1716

SENN R.L. - SEE NR 767

1935 SERIZAWA M. 1966-A
INOUE K. TANIGUCHI K.
UO2 THERMAL DIFFUSIVITY MEASUREMENTS WITH A MODULATED ELECTRON BEAM TECHNIQUE
J. NUCL. SCI. TECHNOL. (TOKYO) 3 (1966) P.550-1 (NSA 21-22918)
KEYWORDS 2 6 7 9 11 W
CATIONS U ANIONS O

1936 SERIZAWA M. 1968-A
KANEKO H. YOKOUCHI Y. KOIZUMI M.
THERMAL DIFFUSIVITY MEASUREMENT OF CERAMICS BY A MODULATED ELECTRON BEAM TECHNIQUE
PNCPU-REPORT-031 (PNCT-9004) (1968) P.78-92
KEYWORDS 2 6 7 9 11 W
CATIONS U ANIONS O

1937 SERIZAWA M. 1969-A
THERMAL DIFFUSIVITY MEASUREMENTS OF CERAMICS BY A MODULATED ELECTRON BEAM TECHNIQUE
JAP. J. APPL. PHYS. 8 (1969) P.792-6
KEYWORDS 2 6 7 9 11 W
CATIONS U ANIONS O

1938 SERIZAWA M. 1969-B
KANEKO H. KOIZUMI M.
THERMAL DIFFUSIVITY MEASUREMENT OF HYPOSTOICHIOMETRIC UO2 BY AN ELECTRON BEAM TECHNIQUE
J. NUCL. SCI. TECHNOL. (TOKYO) 6 (1969) P.419-23 (NSA 23-44011)
KEYWORDS 2 6 7 11 15 W
CATIONS U ANIONS O

1939 SERIZAWA M. 1969-C
KANEKO H. YOKOUCHI Y. KOIZUMI M.
THERMAL DIFFUSIVITY MEASUREMENTS OF UO(2-X) AND (PU,U)O2 BY A MODULATED ELECTRON BEAM TECHNIQUE
PNCT-AR-68 (1969) P.60-1 (NSA 24-10145)
KEYWORDS 2 6 7 11 15 W
CATIONS M ANIONS O

1940 SERIZAWA M. 1969-D
KANEKO H. YOKOUCHI Y. KOIZUMI M.
THERMAL DIFFUSIVITY MEASUREMENTS OF HYPOSTOICHIOMETRIC URANIUM DIOXIDE AND URANIUM-PLUTONIUM OXIDE BY A MODULATED ELECTRON BEAM TECHNIQUE
PROC. 8TH CONF. ON THERMAL CONDUCTIVITY (1969) WEST LAFAYETTE P.549-67 (EDS.) HO C.Y., TAYLOR R.E., (NSA 24-39706) (NSA 24-39646)
KEYWORDS 2 6 7 11 15

1941 SERIZAWA M. 1969-E
YOKOUCHI Y. KOIZUMI M.
THERMAL DIFFUSIVITY MEASUREMENT OF UO(2-X) AND PUO2-UO2 BY THE MODULATED ELECTRON BEAM HEATING TECHNIQUE
PNCPU-REPORT-040 VOL.5 (1969) P.96-104 (JAPNFR-6) (PNCT-9005) (NSA 24-23540)
KEYWORDS 2 6 7 9 15 W
CATIONS U M ANIONS O

1942 SERIZAWA M. 1969-F
KANEKO H.
THEORETICAL ANALYSIS OF THERMAL CONDUCTIVITY FOR POROUS CERAMIC FUEL
PROC. 8TH CONF. ON THERMAL CONDUCTIVITY (1969) WEST LAFAYETTE P.547 (EDS.) HO C.Y., TAYLOR R.E., (NSA 24-39646)
KEYWORDS 2 6 11 14 W
CATIONS U ANIONS O

1943 SERIZAWA M. 1970-A
KANEKO H. YOKOUCHI Y. KOIZUMI M.
THERMAL DIFFUSIVITY AND THERMAL CONDUCTIVITY OF URANIUM-PLUTONIUM DIOXIDE
J. NUCL. MATER. 34 (1970) P.224-6 (NSA 24-14916)
KEYWORDS 2 6 11 W
CATIONS M ANIONS O

1944 SERIZAWA M. 1970-B
THERMAL DIFFUSIVITY MEASUREMENTS OF CERAMICS BY A MODULATED ELECTRON BEAM TECHNIQUE
N 831-70-01 (NP-18353) (1970) P.24-33 (NSA 24-48874)
KEYWORDS 2 6 7 9 11 W
CATIONS M ANIONS O

SGARLATA D. - SEE NR 424 501

SHA W.T. - SEE NR 397

1945 SHACKELFORD M.H. 1954-A
THE THERMAL CONDUCTIVITY OF UO2 POWDER
KAPL-M-MMS-23 (1954) 11P. (NSA 10-10793)
KEYWORDS 2 6 12 W
CATIONS U ANIONS O

SHANSTROM R. - SEE NR 784 785

1946 SHAPIRO H. 1959-A
POWERS R.M.
URANIUM DIOXIDE FUEL MATERIALS WITH IMPROVED THERMAL CONDUCTIVITY
SCNC-271 (1959) 22P. (NSA 13-17002)
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES NB Y CE

1947 SHAPIRO H. 1959-B
POWERS R.M.
HIGH CONDUCTIVITY UO2
SCNC-294 (1959) 43P. (NSA 14-7767)
KEYWORDS 2 6 11 16 20 27 W
CATIONS U ANIONS O ADDITIVES NB Y CE

1948 SHAPIRO H. 1959-C
POWERS R.M.
THORIA-URANIA PELLETT PREPARATION
SCNC-290 (1959) 34P. (NSA 14-594)
KEYWORDS 2 16 27 W
CATIONS V ANIONS O ADDITIVES Y

1949 SHAPIRO H. 1959-D
POWERS R.M.
ADDITIVE IMPROVES UO2 THERMAL CONDUCTIVITY
NUCLEONICS 17 NO.11 (1959) P.156
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES NB Y CE

SHAPIRO H. - SEE NR 1724 1725

1950 SHAW D. 1968-A
GOLDSMITH L.A. LITTLE A.J.
SUITABILITY OF THE FLASH METHOD FOR MEASUREMENTS OF THE THERMAL DIFFUSIVITY OF URANIUM DIOXIDE SPECIMENS CONTAINING CRACKS
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KEYWORDS 2 6 7 9 11 14 21 W
CATIONS U ANIONS O

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- SHEELY W.F. - SEE NR 1810
- 1951 SHEETS H.D. 1961-A
SPECIFIC HEAT
URANIUM DIOXIDE (ED.) BELLE J. (1961) P.189-90 (NSA 15-26602)
KEYWORDS 2 6 7 11 21 30
CATIONS U ANIONS O
- 1952 SHEETS H.D. 1961-B
THERMAL EXPANSION, MELTING POINT
URANIUM DIOXIDE (ED.) BELLE J. (1961) P.192-7 (NSA 15-26602)
KEYWORDS 2 6 11 26 27 30
CATIONS U ANIONS O
- 1953 SHEIRLEY D.W. 1966-A
FOWLER M.H.
INFRARED SPECTRA OF VARIOUS METAL OXIDES IN THE REGION OF 2 TO
26 MICRONS
NASA-TN-D-3750 (1966) P.50/55 (N-67-12798) (NSA 21-19538)
KEYWORDS 2 6 22
CATIONS T ANIONS O
- 1954 SHEPARD R.L. 1972-A
FITTS R.B. ROBERTSON H.E. HYLAND R.F.
THERMOELECTRIC, RESISTANCE, AND ULTRASONIC CENTERLINE
THERMOMETRY FOR A (U,Pu)O₂ FUEL PIN
TRANS. AMER. NUCL. SOC. 15 (1972) P.766-7 (CONF-721109) (NSA
27-5608)
KEYWORDS 3 7 9 11 20 W
CATIONS M ANIONS O
- SHEPPARD D.O. - SEE NR 550
- SHERWOOD E.M. - SEE NR 367
- 1955 SHEWMON P.G. 1972-A
DICKERMAN C.E. CUNNINGHAM G.W. HINES D.P.
HOMAN F.J. LAST G.A. MURRAY P.
ANALYTICAL METHODS TO DESIGN AND PREDICT PERFORMANCE OF FAST
REACTOR FUEL ELEMENTS
PROC. 4TH INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 10
(1972) GENEVA P.123-39 (A/CONF.49/P/R38) (CONF-710901-45) (NSA
25-39251)
KEYWORDS 1 3 29 30 W
- SHIELDS R.P. - SEE NR 331
- SHIMANOUCI T. - SEE NR 2063
- SHIMRO K. - SEE NR 1171 1172
- SHIMOKAWA J. - SEE NR 1258 1591
- SHIPKO F. - SEE NR 1814 1815 1816 1817
- 1956 SHIRAI E. 1970-A
KITAHARA T. FUKUSHIMA M. KUMAGAI K.
MURATA H. KAIEDA K. TOYOSHIMA N.
YAMADA T.
THERMAL CONDUCTIVITY OF VIPAC UO₂ FUEL. - II. IN-PILE
MEASUREMENT IN TLG-1 (IN JAPANESE)
JAERI-MEMO-4128 (1970) 37P. (NSA 25-2813)
KEYWORDS 3 6 7 8 12 W
CATIONS U ANIONS O
- SHIRAI E. - SEE NR 1108
- SHIRAIISHI S. - SEE NR 1856
- SHISHAKOV N.A. - SEE NR 1255
- SIEGEL S. - SEE NR 1024
- 1957 SIEVERS A.J. 1964-A
POHL R.O.
POINT DEFECT, OPTIC MODE, AND CRITICAL SCATTERING OF PHONONS
AT LOW TEMPERATURES
PROC. 4TH CONF. ON THERMAL CONDUCTIVITY (1964) SAN FRANCISCO
P.1-R-1/11 (NSA 19-1483) (NSA 21-6877) (NSA 21-7338)
KEYWORDS 1 2 5 10 20 W
CATIONS U ANIONS O
- 1958 SIEVERS A.J. 1964-B
POHL R.O.
POINT DEFECT, OPTIC MODE, AND CRITICAL SCATTERING OF PHONONS
AT LOW TEMPERATURES
NYO-2391-5 (1964) 12P. (NSA 19-1483)
KEYWORDS 1 2 5 10 20 W
CATIONS U ANIONS O
- SIEVERS A.J. - SEE NR 77
- 1959 SIGOYER DE B.B. 1963-A
JAQUES F. THOME P.
ZIRCALOY-SHEATED FUEL ELEMENT RODS FITTED WITH THERMOCOUPLES
(IN FRENCH)
CEA-2290 (1963) 39P. (NSA 18-575)
KEYWORDS 2 3 6 7 9 11 W
CATIONS U ANIONS O
- 1960 SIGOYER DE B.B. 1964-A
DELMAS R. GOINGUENET A.
NEW MEASUREMENTS OF APPARENT THERMAL CONDUCTIVITY OF UO₂
SINTERED UNDER IRRADIATION
EURAC-860 (1964) P.16-27 (NSA 18-14387)
KEYWORDS 3 6 7 8 11 W
CATIONS U ANIONS O
- 1961 SIGOYER DE B.B. 1964-B
APPARENT THERMAL CONDUCTIVITY OF SINTERED UO₂ UNDER
IRRADIATION (EXPERIMENT CC 5 BIS)
EURAC-933 (1964) P.20-1 (NSA 18-30157)
KEYWORDS 3 6 7 11 W
CATIONS U ANIONS O
- 1962 SIGOYER DE B.B. 1965-A
BRUN M. GUILLOUX E. VALLAIS P.
JANVIER J.C.
THE BEHAVIOR OF SINTERED UO₂ UNDER IRRADIATION (IN FRENCH)
EUR-2314.F (1965) P.29-32 (NSA 19-44595)
KEYWORDS 3 6 7 11 W
CATIONS U ANIONS O
- 1963 SIGOYER DE B.B. 1965-B
BRUN M. GUILLOUX E. VALLAIS P.
JANVIER J.C.
THE BEHAVIOR OF SINTERED UO₂ UNDER IRRADIATION
EURAC-1338 (1965) P.61-9 (NSA 19-44595)
KEYWORDS 3 6 7 11 W
CATIONS U ANIONS O
- 1964 SIGOYER DE B.B. 1966-A
LAVAUD B.
IRRADIATION FACILITIES FOR CERAMIC FUELS IN THE EL 3 REACTOR
(IN FRENCH)
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KEYWORDS 3 6 7 9 11 W
CATIONS U ANIONS O
- SIGOYER DE B.B. - SEE NR 1121 2010 2011
- SIMAN TOV M. - SEE NR 2065
- SIMMONS J.M. - SEE NR 1810
- SIMONATO J. - SEE NR 717
- 1965 SINGH N. 1964-A
KARKHANAVALA M.D.
STUDIES OF THE ELECTRICAL PROPERTIES OF URANIUM OXIDES
AET/C.D./27 (1964) 7P. (NSA 19-16054)
KEYWORDS 2 6 11 15 20
CATIONS U ANIONS O
- 1966 SINGH N. 1964-B
KARKHANAVALA M.D.
STUDIES OF THE ELECTRICAL PROPERTIES OF URANIUM OXIDES. IV.
NON-STOICHIOMETRIC UO₃
AET/C.D./33 (1964) 31P. (NSA 19-22963)
KEYWORDS 2 5 11 15 20
CATIONS U ANIONS O
- 1967 SINGH N. 1966-A
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PHYS. STATUS SOLIDI 17 (1966) P.501-8 (NSA 21-2306)
KEYWORDS 2 6 20
CATIONS U ANIONS O
- SISMAN O. - SEE NR 303 385 386 390 396 1701 1702
- SJODAHL L.H. - SEE NR 311 990
- 1968 SKAVDAHL R.E. 1965-A
PHASE EQUILIBRIA IN PU-O AND U-O SYSTEMS
ANL-7120 (1965) P.389-91 (NSA 20-38468) (NSA 20-38489)
KEYWORDS 2 7 11 15 26
CATIONS U ANIONS O
- 1969 SKAVDAHL R.E. 1967-A
ZEBROSKI E.L.
SODIUM-COOLED REACTORS FAST CERAMIC REACTOR DEVELOPMENT
PROGRAM
GEAP-5491 (1967) P.5.1-2/5.16-20 (NSA 21-38457)
KEYWORDS 2 3 6 7 11 21 W
CATIONS U M ANIONS O
- 1970 SKAVDAHL R.E. 1967-B
CHIKALLA T.D.
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P.249-98 (ED.) WICK O.J. (NSA 22-2699) (NSA 22-2087)
KEYWORDS 2 6 7 26 27 30
CATIONS M Q ANIONS O
- 1971 SKAVDAHL R.E. 1968-A
SPALARIS C.N. ZEBROSKI E.L.
U.S. EXPERIENCE ON IRRADIATION PERFORMANCE OF UO₂-PUO₂ FAST
REACTOR FUEL
NUCLEAR METALLURGY VOL. 13 (1968) P.439-593 (NSA 23-10155)
KEYWORDS 3 6 7 8 11 30 W
CATIONS M ANIONS O
- 1972 SKAVDAHL R.E. 1968-B
ZEBROSKI E.L.
TASK E - FUEL PERFORMANCE EVALUATION
GEAP-5700 (1968) P.53-65 (NSA 23-37507)
KEYWORDS 3 6 7 11 27 W
CATIONS M ANIONS O
- 1973 SKAVDAHL R.E. 1968-C
ZEBROSKI E.L.
TASK E - FUEL PERFORMANCE EVALUATION
GEAP-5677 (1968) P.47 (NSA 26-37506)
KEYWORDS 3 6 7 8 W
CATIONS M ANIONS O

** 149 **

** 150 **

1974 SKAVDAHL R.E. 1968-D
ZEBROSKI E.L.
TASK E - FUEL PERFORMANCE EVALUATION
GEAP-5584 (1968) P.25-42 (NSA 22-32790)
KEYWORDS 4 7 26
CATIONS M ANIONS O

1975 SKAVDAHL R.E. 1968-E
ZEBROSKI E.L.
TASK E - FUEL PERFORMANCE EVALUATION
GEAP-5631 (1968) P.51-67 (NSA 22-50732)
KEYWORDS 4 6 27
CATIONS M ANIONS O

SKAVDAHL R.E. - SEE NR 429 800 802 807 1498 2220 2221

SKIRA O.V. - SEE NR 1157 1158

1976 SKINNER B.J. 1957-A
THE THERMAL EXPANSION OF THORIA, PERICLASE AND DIAMOND
THE AMER. MINERALOGIST 42 (1957) P.39-55 (NSA 11-3827)
KEYWORDS 2 6 27
CATIONS T ANIONS O

1977 SLAGLE O.D. 1968-A
SINGLE CRYSTAL ELASTIC CONSTANTS OF NUCLEAR CERAMICS
BNWL-842 (1968) P.5.6-7 (NSA 25-11474)
KEYWORDS 2 6 10 27
CATIONS U ANIONS O

1978 SLESAREVSKII S.O. 1971-A
KOROTENKO M.N. NAZARCHUK M.M. PILIPETS D.T.
STELMAKH S.S.
FUEL ELEMENTS TEMPERATURE AS FUNCTION OF COOLING DURING
REACTOR WWR-M SHUT-DOWN (IN RUSSIAN)
ATOMNAYA ENERGIYA 31 (1971) P.515-6 (NSA 26-14539)
KEYWORDS 3 6 18 29 W
CATIONS U ANIONS O

1979 SMALLEY A.K. 1967-A
REFRACTORY FUEL AND FERTILE MATERIALS
REACTOR MATERIALS 5 NO.3 (1967) P.15 (NSA 16-13637)
KEYWORDS 2 6 7 11 30 W
CATIONS U ANIONS O

SMALLEY W.R. - SEE NR 34

SMITH C.A. - SEE NR 377

SMITH R.A. - SEE NR 1681

SMOLDERS A. - SEE NR 778 1509

1980 SNECMA 1963-A
HEAT TRANSFER IMPROVEMENT IN BOILING WATER REACTORS
EURAE-832 (1963) P.3-4 (NSA 18-11452)
KEYWORDS 1 3 6 7 W
CATIONS U ANIONS O

1981 SNOWDEN D.P. 1960-A
MEASUREMENT OF THE DISPERSION OF CONDUCTIVITY, APPLICATION TO
TWO URANIUM OXIDE-ALUMINIUM OXIDE SAMPLES
GAMD-1234 (1960) 12P. (NSA 14-25934)
KEYWORDS 2 6 11 16 20
CATIONS U ANIONS O ADDITIVES AL

1982 SNYDER M.J. 1957-A
ENGLE G.B. LOCH L.D.
PROPERTIES OF SOME REFRACTORY FUEL COMPOUNDS
TID-7530 (PT.1) (1957) P.141-3 (NSA 11-6713)
KEYWORDS 2 6 7 11 26 27 30 W
CATIONS U ANIONS O

1983 SNYDER T.M. 1955-A
KAMM R.L.
SOME PHYSICAL CONSTANTS IMPORTANT IN THE DESIGN OF AN ATOMIC
POWER PLANT
C-192 (1955) 56P. (NSA 10-3680)
KEYWORDS 2 6 9 20 27 30 W
CATIONS U ANIONS O

1984 SNYDER W.A. 1962-A
BROWN J.E.
QUARTERLY PROGRESS REPORT. RESEARCH AND DEVELOPMENT PROGRAMS
EXECUTED FOR THE DIVISION OF REACTOR DEVELOPMENT APRIL, MAY,
JUNE 1962
HW-74761 (1962) P.3.26-4.47 (NSA 17-7548) (NSA 17-7546) (NSA
17-7547)
KEYWORDS 2 6 7 10 11 26 27 W
CATIONS U P ANIONS O

SNYDER W.A. - SEE NR 95 96 97

SOFFA T.P. - SEE NR 252 301

SOKOLOVA N.P. - SEE NR 1255

1985 SORRIAUX A. 1968-A
RUBIO A.
MEASURING THE LOCAL ELECTRIC RESISTIVITY IN URANIUM DIOXIDE
ROASTING (IN FRENCH)
NUCL. INSTR. AND METH. 64 (1968) P.233-4 (NSA 22-49829)
KEYWORDS 2 3 6 9 15 20
CATIONS U ANIONS O

1986 SORRIAUX A. 1968-B
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IRRADIATION (IN FRENCH)
COMPT. REND. ACAD. SCI. (PARIS) A AND B 266 (1968) P.1451-4
(NSA 22-43669)
KEYWORDS 3 9 12 20
CATIONS U ANIONS O

1987 SORRIAUX A. 1970-A
DETERMINATION OF THE ENERGY GAP AND THE ENERGY LEVELS OF
ACCEPTORS IN NATURAL URANIUM DIOXIDE (IN FRENCH)
COMPT. REND. ACAD. SCI. (PARIS) 270 SER.B (1970) P.77-9 (NSA
24-12904)
KEYWORDS 1 2 5 6 20
CATIONS U ANIONS O

1988 SORRIAUX A. 1971-A
DJERASSI H.
STUDY OF THE ELECTRICAL CONDUCTIVITY AND THERMOELECTRIC POWER
OF URANIUM DIOXIDE UO(2+X) AT HIGH TEMPERATURES (IN FRENCH)
COMPT. REND. ACAD. SCI. (PARIS) 272 SER.B (1971) P.1373-6 (NSA
25-59191)
KEYWORDS 2 6 7 11 20
CATIONS U ANIONS O

1989 SORRIAUX A. 1972-A
THERMOELECTRIC PROPERTIES OF STABLE AND ENRICHED OXIDES OF
NATURAL U IN AND OUTSIDE THE NEUTRON FLUX (IN FRENCH)
CEA-R-4321 (THESIS) (1972) 159P. (NSA 26-37740)
KEYWORDS 2 3 6 20
CATIONS U ANIONS O

SORRIAUX A. - SEE NR 601 602 664

1990 SOUTHARD J.C. 1941-A
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OF SILICA, WOLLASTONITE AND THORIUM DIOXIDE ABOVE 25C
J. AMER. CHEM. SOC. 63 (1941) P.3142-6
KEYWORDS 2 6 12 21
CATIONS T ANIONS O

1991 SOUTHERN RES. INST. 1963-A
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OR THEIR DESTRUCTION TEMPERATURES
ASD-TDR-62-765 (1963) P.99/122/136/165/206 (AD-298061) (NSA
17-16636)
KEYWORDS 2 6 7 27
CATIONS T ANIONS O

SOWDEN R.G. - SEE NR 577

1992 SPALARIS C.N. 1962-A
URANIUM DIOXIDE-CLADDING INTERACTIONS - AXIAL EXPANSION OF UO2
COLUMN IN FUEL ELEMENTS
TRANS. AMER. NUCL. SOC. 5 (1962) P.228-9 (NSA 16-24609)
KEYWORDS 3 4 6 7 11 27
CATIONS U ANIONS O

1993 SPALARIS C.N. 1963-A
URANIUM DIOXIDE-CLADDING INTERACTIONS. AXIAL EXPANSION OF UO2
COLUMN IN FUEL ELEMENTS
NUCL. SCI. ENG. 17 (1963) P.381-91 (NSA 18-2260)
KEYWORDS 3 4 6 7 11 27
CATIONS U ANIONS O

SPALARIS C.N. - SEE NR 536 1971

SPASOJEVIC D. - SEE NR 50

SPEAR K.E. - SEE NR 1341

SPHAR C.D. - SEE NR 909

SPIELER K. - SEE NR 1026 1027 1028

1994 SPIES J. 1966-A
MEASUREMENT OF THE THERMAL CONDUCTIVITY OF SOLIDS ESPECIALLY
OF CERAMIC NUCLEAR FUELS AT HIGH TEMPERATURES (IN GERMAN)
KFK-415 (1966) 45P. (NSA 21-11297)
KEYWORDS 2 6 7 9 11 W
CATIONS U ANIONS O

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GERMAN PATENT, AUSLEGESCHRIFT 1.219.596 (1966) 2P. (NSA 20-
46180)
KEYWORDS 2 11 14 16 20 W
CATIONS U ANIONS O ADDITIVES RE

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CYLINDRICAL SOLID, WITH APPLICATION TO LITHIUM FLUORIDE
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KEYWORDS 1 6 7 22 W

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CONDUCTION OF INFRARED RADIATION (EXTENSION TO UO2)
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KEYWORDS 1 2 7 22 W
CATIONS U ANIONS O

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LAGEDROST J.F.
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MEASUREMENTS OF THO2-UO2 FUEL MATERIALS (LWBR DEVELOPMENT
PROGRAM)
BMI-X-10210 (1967) 146P. (NSA 22-47703)
KEYWORDS 2 6 7 11 21 27 W
CATIONS V ANIONS O

** 151 **

** 152 **

1999 SPRINGER J.R. 1968-A
 LAGEDROST J.F.
 THERMAL PROPERTIES OF BETTIS-FABRICATED THO2-UO2 FUEL
 MATERIALS (LWBR DEVELOPMENT PROGRAM)
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 KEYWORDS 2 6 7 11 W
 CATIONS V ANIONS O

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STANG J.H. - SEE NR 2204

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 WARER J.T.
 REFRACTIVE INDICES AND APPROXIMATE DISPERSION OF SOME METAL
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 KEYWORDS 2 6 22
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 ALCOCK C.B.
 FACTORS INFLUENCING THE PERFORMANCE OF SOLID OXIDE
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 CATIONS T ANIONS O ADDITIVES Y CA

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 CATIONS U ANIONS O

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STEIN J.M. - SEE NR 784 785

STEINER R. - SEE NR 343

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 CATIONS U ANIONS O

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 KEYWORDS 1 3 11 14 W
 CATIONS M ANIONS O

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 KEYWORDS 1 3 6 7 11 14 W
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 CATIONS U ANIONS O

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 LAVAUD B. RINGOT C.
 THERMAL CONDUCTIVITY OF SINTERED URANIUM OXIDE UNDER IN-PILE
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 KEYWORDS 3 6 7 11 W
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 SIGOYER DE B.B. DELMAS R. DESCHAMPS P.
 LAVAUD B. RINGOT C.
 THERMAL CONDUCTIVITY OF SINTERED URANIUM OXIDE UNDER IN-PILE
 CONDITIONS
 EURAEC-1095 (1964) 117P. (NSA 19-7982)
 KEYWORDS 3 6 7 11 W
 CATIONS U ANIONS O

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 CAVARD A.
 MEASUREMENT OF THE APPARENT HEAT CONDUCTIVITY OF UO2 SINTERED
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 KEYWORDS 2 6 7 11 14 23 W
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 IRRADIATION DEVICE CYRANO. 2. RESULTS OF THE CYRANO 1 AND 2
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STORNIK V.W. - SEE NR 1502

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 BMI-1598 (1962) P.26-8 (ED.) ENDEBROCK R.W. (NSA 17-5575)
 KEYWORDS 2 27 30
 CATIONS P ANIONS O

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STOUTE R.L. - SEE NR 1417 1418 1420 1421 1473 1474 1475
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STREET R.S. - SEE NR 732 733 1503 1734

STREKALOVSKIY V.N. - SEE NR 2050 2051

STRUMANE R. - SEE NR 38 40 41 42 45 46 47
 ** - SEE NR 48

2019 SUBBARAO E.C. 1965-A
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 DEFECT STRUCTURE AND ELECTRICAL CONDUCTIVITY OF THO2-Y2O3
 SOLID SOLUTIONS
 J. AMER. CERAM. SOC. 48 (1965) P.443-6 (NSA 20-843)
 KEYWORDS 2 6 7 11 16 20
 CATIONS T ANIONS O ADDITIVES Y

** 153 **

2020 SUBBARAO E.C. 1970-A
CHAUDHARY C.B. MEHROTRA A.K. PATIL R.N.
DEFECT STRUCTURE AND IONIC CONDUCTIVITY OF ZIRCONIA AND THORIA
INIS-MF-18 (1970) 7P. (CONF-700218-17) (NSA 25-25227)
KEYWORDS 2 6 16 20
CATIONS T ANIONS O ADDITIVES CA

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SUESSMAN G.S. - SEE NR 379

SUGE Y. - SEE NR 1197

SUTTER P.H. - SEE NR 2019

SUZUKI S. - SEE NR 1591

SUZUKI T. - SEE NR 2027

SVEEN A. - SEE NR 927

SWARTZ L.M. - SEE NR 958

2021 SYLVANIA CORNING 1960-A
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KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES Y

2022 SYLVANIA CORNING 1960-B
INFORMAL LETTER PROGRESS REPORT
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KEYWORDS 2 3 6 7 11 16 W
CATIONS U ANIONS O ADDITIVES Y

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SZOMANSKI E. - SEE NR 966

2023 SZWARC R. 1969-A
THE DEFECT CONTRIBUTION TO THE EXCESS ENTHALPY OF URANIUM
DIOXIDE-CALCULATION OF THE FRENKEL ENERGY
J. PHYS. CHEM. SOLIDS 30 (1969) P.705-11 (NSA 23-22669)
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CATIONS U ANIONS O

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TAGIROVA R.K. - SEE NR 1527

2024 TAKAHASHI S. 1955-A
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FRENCH AND ENGLISH)
LE VIDE 55 (1955) P.352-4
KEYWORDS 2 6 7 15 20
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2025 TAKAHASHI S. 1964-A
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IRRADIATION TEST ON SWAGED UO2 FUEL
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KEYWORDS 1 3 6 7 12 W
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2026 TAKAHASHI S. 1964-B
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NOHARA T.
IRRADIATION TEST ON SWAGED UO2 FUEL. (IV) METALLOGRAPHY AND
THE ESTIMATION OF CENTER TEMPERATURE (IN JAPANESE)
NIPPON GENSIRYOKU GAKKAISHI 6 (1964) P.569-75 (NSA 19-4727)
KEYWORDS 3 6 7 12 W
CATIONS U ANIONS O

2027 TAKAHASHI S. 1965-A
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ITO C. TAKASHIMA A. AKIMOTO Y.
SUZUKI T. DOI H.
DEVELOPMENT OF ROD AND TUBULAR SWAGED UO2 FUEL ELEMENTS AND
THEIR IRRADIATION BEHAVIOUR
PROC. 3RD INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 11
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KEYWORDS 3 6 7 12 W
CATIONS U ANIONS O

TAKAHASHI S. - SEE NR 1251 1252 1253 1620

TAKAHASHI Y. - SEE NR 1154 1567 1568 2153

TAKASHIMA A. - SEE NR 2027

2028 TAKEMURA T. 1969-A
KASHIMA S. MATSUI H. KOIZUMI M.
THERMAL EXPANSION OF (PU-U)O2-X
PNCT-AR-68 (1969) P.59-60 (NSA 24-10145)
KEYWORDS 2 6 11 27
CATIONS M ANIONS O

TAKEMURA T. - SEE NR 1232

** 154 **

TAKETANI K. - SEE NR 1098

2029 TALLAN N.M. 1969-A
BRANSKY I.
OBSERVATION OF MIXED THERMOELECTRIC POWER IN ThO2 (ABSTRACT)
J. ELECTROCHEM. SOC. 116 (1969) P.292C
KEYWORDS 2 6 7 11 20
CATIONS T ANIONS O

2030 TALLAN N.M. 1971-A
BRANSKY I.
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KEYWORDS 2 6 7 15 20
CATIONS T ANIONS O

TALLAN N.M. - SEE NR 310 2178 2179

TANIGUCHI K. - SEE NR 1935

2031 TARABA F.R. 1958-A
THE CALCULATION OF RADIAL TEMPERATURE DISTRIBUTIONS IN
CYLINDRICAL FUEL SPECIMENS DURING NEUTRON IRRADIATION
ANL-5873 (1958) 26P. (NSA 13-3364)
KEYWORDS 1 3 6 7 11 29 W
CATIONS V ANIONS O

TARE V.B. - SEE NR 1738

2032 TASMAN H.A. 1971-A
PREPARATION OF IN-PILE MEASUREMENTS, PROJECT TRESON
EURATOM COMMUNICATION NO.2750 (1971) JNRC - KARLSRUHE ESTAB.
P.66-8
KEYWORDS 3 6 7 9 W

2033 TASMAN H.A. 1972-A
IN-PILE ULTRASONIC THERMOMETRY, TRESON
EURATOM COMMUNICATION NO.2833 (1972) JNRC - KARLSRUHE ESTAB.
P.40-2
KEYWORDS 3 6 7 9 W

2034 TASMAN H.A. 1972-B
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OPERATING EXPERIENCE
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KEYWORDS 3 6 7 9 W
CATIONS M ANIONS O

2035 TASMAN H.A. 1973-A
PREPARATION OF THERMAL IN-PILE MEASUREMENTS (TRESON)
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P.38-40 (TUSR-14)
KEYWORDS 3 6 7 9 W
CATIONS M ANIONS O

TASMAN H.A. - SEE NR 1767 1768 1769 1910 2088

TATENO J. - SEE NR 860

TAYLOR A.J. - SEE NR 1132

2036 TAYLOR K.M. 1967-A
ANDERSEN J.C. STRASSER A. STAHL D.
FORBES R.L.
MONOXIDE-TYPE COMPOUNDS OF URANIUM AND PLUTONIUM - I.
OXYCARBIDES
J. AMER. CERAM. SOC. 50 (1967) P.321-5 (NSA 21-32986)
KEYWORDS 2 6 11 15 W
CATIONS U M ANIONS O

TAYLOR K.M. - SEE NR 833

TAYLOR R.G. - SEE NR 576

2037 TEBO F.J. 1958-A
SELECTED VALUES OF THE PHYSICAL PROPERTIES OF VARIOUS
MATERIALS
ANL-5914 (1958) P.99-100 (NSA 13-431)
KEYWORDS 2 6 11 21 30 W
CATIONS U ANIONS O

2038 TENNERY V.J. 1958-A
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CF-58-9-24 (1958) 31P. (NSA 12-17931)
KEYWORDS 2 3 6 7 11 30 W
CATIONS U ANIONS O

2039 TENNERY V.J. 1959-A
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ORNL-2656 (1959) 15P. (NSA 13-11870)
KEYWORDS 2 3 6 7 11 30 W
CATIONS U ANIONS O

2040 TERADA M. 1964-A
TSUBOI M.
INFRARED-ACTIVE LATTICE VIBRATIONS IN A FEW FLUORITE-TYPE
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KEYWORDS 2 6 22
CATIONS U T ANIONS O

TERADA M. - SEE NR 2063

** 155 **

TEREKHOV G.I. - SEE NR 1527

TERUNUMA T. - SEE NR 1172 1235 1581

2041 TESTA G. 1968-A
DORIA F. GRILLO P. NOBILI A.
ROTOLONI P.L.
IN-PILE FUEL STUDIES FOR DESIGN PURPOSES
TRANS. AMER. NUCL. SOC. 11 (1968) P.492-3 (NSA 23-4251)
KEYWORDS 3 6 7 11 12 W
CATIONS U ANIONS O

2042 TESTA G. 1969-A
DORIA F. GRILLO P. NOBILI A.
ROTOLONI P.L.
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NUCL. APPL. TECHNOL. 7 (1969) P.550-60 (NSA 24-4175)
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CATIONS U ANIONS O

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TEVERAUGH A.D. - SEE NR 1810

2043 TEYTU A. 1971-A
NUCLEAR FUEL SIMULATION BY ELECTRICAL HEATERS (IN FRENCH)
CEA-R-4210 (1971) 21P. (NSA 26-6272)
KEYWORDS 2 3 6 9 W

THACKRAY R.W. - SEE NR 1572

THAMER R.J. - SEE NR 1844 1845 1847

THEISEN R. - SEE NR 2046

2044 THOMAS G.R. 1971-A
FIELD J.H.
OXIDE FUEL BEHAVIOR DURING TRANSIENT OVERPOWER CONDITIONS
TRANS. AMER. NUCL. SOC. 14 SUPPL. NO.1 (1971) P.30-1 (NSA 25-34361) (NSA 25-32852)
KEYWORDS 3 7 11 18 26 W
CATIONS M ANIONS O

THOMAS I.D. - SEE NR 1729 1730

THOMAS O.W. - SEE NR 331

THOMAS P. - SEE NR 246 247

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2045 THOMPSON D.H. 1971-A
MARR W.W.
PREDICTION OF MAXIMUM TEMPERATURE OR MELTING FRACTION IN A
LMFR FUEL ELEMENT
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KEYWORDS 3 7 11 26 29 W
CATIONS M ANIONS O

THOMPSON D.H. - SEE NR 1459

THOMS K.R. - SEE NR 757 760 765 776

THORN R.J. - SEE NR 7

2046 THUEMMLER F. 1967-A
THEISEN R. PATRASSI E.
PHASE RELATIONS, PRODUCTION, AND CHARACTERISTICS OF
SUBSTOICHIOMETRIC OXIDE FUELS UO(2-x) AND (U,P)O(2-x). (IN
GERMAN)
KFK-543 (EUR-3546.D) (1967) P.14-9/25 (NSA 21-28837)
KEYWORDS 2 6 7 11 15 30 W
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2047 THUEMMLER G. 1969-A
GERHARDT E.
PART 1.1 OXIDE COMPOUNDS, PART 2.113 EFFECTS ON THERMAL
CONDUCTIVITY AND MELTING POINT (IN GERMAN)
REAKTORWERKSTOFFE, TEIL 2 - KERAMISCHE UND
PULVERMETALLURGISCHE WERKSTOFFE (1969) P.28-47 (NSA 23-45987)
KEYWORDS 2 6 7 20 21 26 27 30 W
CATIONS U ANIONS O

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TICHY J. - SEE NR 927

TIMOFEEV G.A. - SEE NR 1157 1158

2048 TIPPETS F.E. 1956-A
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CYLINDRICAL FUEL ELEMENTS FOR NUCLEAR REACTORS
HW-41896 (1956) 65P. (NSA 10-8659)
KEYWORDS 1 3 18 29 W

2049 TITUS G.W. 1963-A
SALING J.H.
HIGH-TEMPERATURE IRRADIATION OF UO2-BEO BODIES
IDO-28600 (1963) 46P. (NSA 17-18856)
KEYWORDS 1 3 6 7 11 16 26 W
CATIONS U ANIONS O ADDITIVES BE

** 156 **

TJOONK J. - SEE NR 47

2050 TKACHENKO E.V. 1963-A
NEUYMANN A.D. VLASOV V.G. STREKALOVSKIY V.N.
ELECTRIC CONDUCTIVITY OF HIGH URANIUM OXIDES AS A FUNCTION OF
TEMPERATURE (IN RUSSIAN)
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KEYWORDS 2 6 11 15 20
CATIONS U ANIONS O

2051 TKACHENKO E.V. 1964-A
NEUYMANN A.D. VLASOV V.G. STREKALOVSKIY V.N.
TEMPERATURE DEPENDENCE OF THE ELECTRICAL CONDUCTIVITY OF THE
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PHYS. METALS METALLOGR. 16 (1964) P.30-4 (NSA 18-39198)
KEYWORDS 2 6 11 15 20
CATIONS U ANIONS O

TODREAS N. - SEE NR 1112

2052 TOKAR M. 1972-A
NUTT A.W.
THERMAL EXPANSION OF PUO2 FROM 25 TO 1420C
TRANS. AMER. NUCL. SOC. 15 (1972) P.210-1 (CONF-720607) (NSA
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KEYWORDS 2 6 7 11 27
CATIONS M ANIONS O

2053 TOKAR M. 1973-A
NUTT A.W. KEENAN T.K.
LINEAR THERMAL EXPANSION OF PLUTONIUM DIOXIDE
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KEYWORDS 2 6 7 11 27
CATIONS P ANIONS O

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2054 TONG L.S. 1961-A
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NUCL. SCI. ENG. 11 (1961) P.340-3 (NSA 16-3175)
KEYWORDS 1 3 18 29 W

2055 TONG L.S. 1967-A
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NUCL. ENG. DES. 6 (1967) P.301-24 (NSA 22-14155)
KEYWORDS 3 6 8 W

TONG L.S. - SEE NR 1087

2056 TOTM I. 1970-A
SZARADOS L. GRILLO P.
BIOT - A 3-DIMENSIONAL STEADY STATE AND TRANSIENT HEAT
CONDUCTION CODE
KFK1-70-35 RPT (1970) 19P. (NSA 25-23735)
KEYWORDS 1 3 18 29 W

2057 TOULOUKIAN Y.S. 1970-A
POWELL R.W. HO C.Y. KLEMENS P.G.
THERMAL CONDUCTIVITY - NONMETALLIC SOLIDS
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KEYWORDS 2 6 7 30 W
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BUYCO E.H.
SPECIFIC HEAT - NONMETALLIC SOLIDS
THERMOPHYSICAL PROPERTIES OF MATTER, THE TPRC DATA SERIES
VOL.5 (1970) (PUB.) IFI/PLENUM N.Y., WASH.
KEYWORDS 2 6 7 21 30
CATIONS T ANIONS O

2059 TOULOUKIAN Y.S. 1972-A
DEWITT D.P.
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KEYWORDS 2 6 7 22
CATIONS T ANIONS O

2060 TOULOUKIAN Y.S. 1973-A
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THERMOPHYSICAL PROPERTIES OF MATTER, THE TPRC DATA SERIES
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KEYWORDS 2 6 7 W
CATIONS U T M ANIONS O

TOYOSHIMA N. - SEE NR 1956

2061 TPRC 1966-A
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KEYWORDS 2 5 6 7 10 11 30 W
CATIONS U V ANIONS O

2062 TREMMEL F. 1965-A
A STANDARD FOR THE THERMAL CONDUCTIVITY OF UO2-PUO2 FUEL WITH
87 O/O TO 93 O/O OF THE THEORETICAL DENSITY (IN GERMAN)
ARBEITSBLATT A6/65 PSB KARLSRUHE (1965) 1P.
KEYWORDS 2 6 7 11 W
CATIONS M ANIONS O

TREZZA G. - SEE NR 1342

- ** 157 **
- TRICE J.B. - SEE NR 349 1723
- TRILLAT J.J. - SEE NR 1831
- TRIPLER A.B. - SEE NR 325
- TSAKIRIS J. - SEE NR 347
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** 159 **

** 160 **

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** 161 **

** 162 **

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GEAP-3771-2 (EURAEAC-170) (1961) 49P. (NSA 16-17296)
KEYWORDS 3 6 7 11 24 26 W
CATIONS U ANIONS O

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GEAP-3771-3 (EURAEAC-277) (1962) 28P. (NSA 16-32112)
KEYWORDS 3 6 7 11 24 26 W
CATIONS U ANIONS O

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HIGH PERFORMANCE UO2 PROGRAM
GEAP-3771-4 (EURAEAC-437) (1962) 45P. (NSA 17-11086)
KEYWORDS 3 6 7 11 23 26 W
CATIONS U ANIONS O

2126 WEIDENBAUM B. 1962-C
HIGH PERFORMANCE UO2 PROGRAM
GEAP-3771-5 (EURAEAC-489) (1962) 78P. (NSA 17-28429)
KEYWORDS 3 6 7 11 23 24 26 W
CATIONS U ANIONS O

2127 WEIDENBAUM B. 1962-D
HIGH PERFORMANCE UO2 PROGRAM
GEAP-3771-6 (EURAEAC-503) (1962) 88P. (NSA 17-22219)
KEYWORDS 3 6 7 11 23 24 26 W
CATIONS U ANIONS O

2128 WEIDENBAUM B. 1963-A
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GEAP-3771-7 (EURAEAC-578) (1963) 85P. (NSA 17-20513)
KEYWORDS 3 6 7 11 23 24 26 W
CATIONS U ANIONS O

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HIGH PERFORMANCE UO2 PROGRAM
GEAP-3771-8 (EURAEAC-642) (1963) 100P. (NSA 17-25829)
KEYWORDS 3 6 7 11 23 24 26 W
CATIONS U ANIONS O

2130 WEIDENBAUM B. 1963-C
HIGH PERFORMANCE UO2 PROGRAM
GEAP-3771-9 (EURAEAC-767) (1963) 73P. (NSA 17-36193)
KEYWORDS 3 6 7 11 23 24 26 W
CATIONS U ANIONS O

2131 WEIDENBAUM B. 1963-D
HIGH PERFORMANCE UO2 PROGRAM
GEAP-3771-10 (EURAEAC-847) (1963) 73P. (NSA 18-654)
KEYWORDS 3 6 7 11 23 24 26 W
CATIONS U ANIONS O

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GEAP-3771-11 (EURAEAC-944) (1964) 58P. (NSA 18-11411)
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CATIONS U ANIONS O

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KEYWORDS 3 6 7 11 23 26 W
CATIONS U ANIONS O

** 163 **

** 164 **

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GEAP-3771-12 (EURAEC-1049) (1964) 63P. (NSA 18-24855)
KEYWORDS 3 6 7 11 23 26 W
CATIONS U ANIONS O
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- 2137 WEILPACHER J.C. 1970-A
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** 165 **

** 166 **

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2181 WISNYI L.G. 1956-A
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** 167 **

** 168 **

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- YELLOWLEES J.M. - SEE NR 2077
- YENISCAVICH W. - SEE NR 571
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CATIONS M ANIONS O ADDITIVES FS

** 169 **

** 170 **

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 AT HIGH BURNUP
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 LYON W.L. BAILY W.F.
 EFFECT OF STOICHIOMETRY ON THE PROPERTIES OF MIXED OXIDE U-PU
 FUEL
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 PROGRAM
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 CATIONS M ANIONS O

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 FUEL
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 KEYWORDS 2 6 7 11 W
 CATIONS M ANIONS O

2220 ZEROSKI E.L. 1966-C
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 CATIONS M ANIONS O

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 COMPOSITION (IN RUSSIAN)
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 CATIONS U ANIONS O

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 CATIONS U ANIONS O

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 CATIONS U ANIONS O

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 CATIONS U ANIONS O ADDITIVES CE CA

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2233 ZUROMSKY G. 1962-C
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 IRRADIATION TESTING OF CERAMIC FUELS
 CEND-158 (NYO-2998) (1962) P.89-188 (NSA 17-36339)
 KEYWORDS 2 3 6 7 9 11 16 26 27 W
 CATIONS U ANIONS O ADDITIVES ZR CE CA

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 IRRADIATION TESTING OF CERAMIC FUELS
 CEND-190 (1963) 88P. (NSA 18-14532)
 KEYWORDS 1 3 6 7 11 16 W
 CATIONS U ANIONS O ADDITIVES ZR CA

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 KOZIOL J.J. CHERNOCK W.P.
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 CATIONS U ANIONS O ADDITIVES ZR CE

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 KEYWORDS 2 6 7 11 23 W
 CATIONS U ANIONS O

** 171 **

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** 172 **

** 173 **

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TID-7650 BOOK II (1962) P.509-10 (NSA 17-28468) (NSA 17-28447)
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FLUM P.
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NUCLEAR POWER 5 (1960) P.122-3 (NSA 14-17028)
KEYWORDS 2 6 11 W
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6 ACCARY A. 1961-B
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GENIE ATOMIQUE TOME 4 VOL.1 (1961) P.A6-XIV (11-8) (NSA 16-
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KEYWORDS 2 6 20 27 W
CATIONS U ANIONS C

7 ACCARY A. 1965-A
URANIUM CARBIDES (IN FRENCH)
GENIE ATOMIQUE TOME 4 VOL.1 (1965) P.A3-I-1 (347-89)
KEYWORDS 2 6 7 15 20 27 30 W
CATIONS U ANIONS C

8 ACCARY A. 1965-B
URANIUM NITRIDES (IN FRENCH)
GENIE ATOMIQUE TOME 4 VOL.1 (1965) P.A3-I-2 (391-410)
KEYWORDS 2 6 7 20 27
CATIONS U ANIONS N

9 ACCARY A. 1965-C
THORIUM CARBIDES (IN FRENCH)
GENIE ATOMIQUE TOME 4 VOL.1 (1965) P.A3-III (415-26)
KEYWORDS 2 7 11 20 27 30 W
CATIONS T ANIONS C

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KEYWORDS 2 6 11 20 27 30 W
CATIONS U ANIONS N

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IMOTO S.
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KEYWORDS 2 6 11 W
CATIONS V ANIONS S

14 ADAMS R.M. 1964-A
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KEYWORDS 2 7 26
CATIONS V ANIONS F

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MONOSULFIDE SOLID SOLUTIONS
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CATIONS U P M ANIONS S

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THERMAL DIFFUSIVITY OF CERAMIC MATERIALS
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KEYWORDS 2 6 11 W
CATIONS P ANIONS C

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CEA-CONF-1140 (1968) 16P. (CONF-681116-1) (NSA 23-18208)
KEYWORDS 2 6 7 11 21
CATIONS U ANIONS C N

18 AFFORTIT C. 1969-A
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KEYWORDS 2 6 7 11 21
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19 AFFORTIT C. 1969-B
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RFP-TRANS-67 (1969) 12P. (NSA 24-44792)
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CATIONS U ANIONS C N

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KEYWORDS 2 6 7 11 21
CATIONS U ANIONS C N

21 AFFORTIT C. 1970-B
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COMPOUNDS (IN FRENCH)
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KEYWORDS 2 6 7 21 30
CATIONS U P ANIONS C N

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AKIMOTO Y. - SEE NR 339 721

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25 ALEXANDER C.A. 1964-A
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CATIONS U ANIONS C

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TEMPERATURE HEAT CAPACITY AND ENTROPY OF THREE URANIUM
CARBIDES
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KEYWORDS 2 5 11 21
CATIONS U ANIONS C

** 174 **

** 175 **

- 29 ANDRIFSSSEN H. 1962-A
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BN-6201-01 (1962) P.18-9 (NSA 16-32084)
KEYWORDS 2 6 27
CATIONS U ANIONS C
- ANNO J.N. - SEE NR 797
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- 30 ARAKAWA E.T. 1970-A
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OPTICAL PROPERTIES OF PARAMAGNETIC UN
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- 31 ARAKAWA E.T. 1971-A
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KEYWORDS 2 6 11 22
CATIONS U ANIONS N
- 32 ARGONNE NAT. LAB. 1965-A
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V AND VI)
ARGONNE NATL. LAB. REV. 2 NO.1 (1965) P.14-5 (NSA 19-13288)
KEYWORDS 2 6 7 20 26
CATIONS U P T ANIONS F S
- 33 ARGONNE NAT. LAB. 1966-A
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CATIONS U P ANIONS F
- 34 ARGONNE NAT. LAB. 1966-B
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KEYWORDS 2 6 20
CATIONS U P T ANIONS N S
- 35 ARGONNE NAT. LAB. 1967-A
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ANL-7349 (1967) P.99-100 (NSA 21-40694) (NSA 21-40534)
KEYWORDS 2 6 9 W
CATIONS P ANIONS F S
- ARNOLD G.P. - SEE NR 115 116
- 36 ARONSON S. 1967-A
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CATIONS T ANIONS C F
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- 37 ARRIGHI J. 1966-A
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KEYWORDS 1 2 6 7 8 11 W
CATIONS U ANIONS C
- ARTAMONOV V.V. - SEE NR 613 614
- 38 ARTHUR G. 1961-A
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CATIONS U P ANIONS C N
- 39 ARTHUR G. 1961-B
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CATIONS U ANIONS C
- 40 ARTIGAS R. 1970-A
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UN-PUN TREAT ANALYSIS
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CATIONS M ANIONS N
- 41 ARTIGAS R. 1970-B
GRONBECK H.D. CYBULSKIS P.
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KEYWORDS 1 3 18
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- 42 ASKEY D.F. 1967-A
PARDUE W.M.
FUEL AND FERTILE MATERIALS - PLUTONIUM COMPOUNDS
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CATIONS P ANIONS C
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KEYWORDS 2 6 7 11 30 W
CATIONS M ANIONS N
- 44 ASKEY D.F. 1968-A
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KEYWORDS 2 6 11 30 W
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PLUTONIUM COMPOUNDS
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CATIONS U P ANIONS C
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- 47 AUSKERN A.B. 1965-A
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KEYWORDS 2 5 6 11 15 20
CATIONS T ANIONS C
- 48 AUSKERN A.B. 1966-A
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KEYWORDS 2 5 6 11 15 20
CATIONS T ANIONS C
- 49 AUSKERN A.B. 1967-A
ARONSON S.
ELECTRICAL PROPERTIES OF THORIUM NITRIDES
J. PHYS. CHEM. SOLIDS 28 (1967) P.1069-71 (NSA 22-4879)
KEYWORDS 2 6 11 20
CATIONS T ANIONS N
- 50 AUSKERN A.B. 1967-B
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ELECTRICAL PROPERTIES OF NONSTOICHIOMETRIC THORIUM CARBIDES
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KEYWORDS 2 5 6 15 20
CATIONS T ANIONS C
- 51 AUSKERN A.B. 1968-A
ARONSON S.
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SOLID SOLUTIONS
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CATIONS V ANIONS C
- 52 AUSKERN A.B. 1968-B
ARONSON S.
ELECTRICAL PROPERTIES OF THORIUM BORIDES
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CATIONS T ANIONS F ADDITIVES B
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** 176 **

** 177 **

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** 179 **

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** 181 **

** 180 **

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- 131 BURNHAM J.B. 1962-A
SKAVDAHL R.E. CHIKALLA T.D.
PLUTONIUM BEARING REFRACTORY CARBIDES
HW-SA-3131 (1962) 30P. (CONF-206-6) (NSA 18-22484)
KEYWORDS 2 6 11 17
CATIONS P ANIONS C
- 132 BURNHAM J.B. 1963-A
SKAVDAHL R.E.
PLUTONIUM CARBIDES
HW-76300 (1963) P.2.3-2.4 (NSA 17-23866)
KEYWORDS 2 6 17 27
CATIONS P ANIONS C
- 133 BURNHAM J.B. 1963-B
SKAVDAHL R.E. CHIKALLA T.D.
PLUTONIUM BEARING REFRACTORY CARBIDES
HW-SA-3131 (1963) 30P. (NSA 18-22484)
KEYWORDS 2 6 11 17
CATIONS P ANIONS C
- 134 BURNHAM J.B. 1964-A
SKAVDAHL R.E. CHIKALLA T.D.
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CARBIDES IN NUCLEAR ENERGY 1 (1964) P.51-68 (ED.) RUSSELL L.E.
(CONF-206-3A) (NSA 18-22484) (NSA 20-9392)
KEYWORDS 2 6 11 17
CATIONS P ANIONS C
- BURNHAM J.B. - SEE NR 670
- 135 BUSH S.H. 1970-A
MATERIALS FOR NUCLEAR REACTORS
BNWL-SA-3426 (1970) P.20-7 (CONF-700934-1) (NSA 25-8828)
KEYWORDS 2 6 7 11 30 W
CATIONS U ANIONS C N S
- BUXTON K. - SEE NR 160
- BUYCO E.H. - SEE NR 733
- CAILLAT R. - SEE NR 3
- 136 CAMAGNI P. 1963-A
CINGOLANI A. MANARA A.
MEASUREMENTS OF THE CONDUCTIVITY AND POLARIZABILITY OF U AND
UC AT OPTICAL FREQUENCIES
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- 137 CAMAGNI P. 1966-A
MANARA A. MERLINI A.
RESEARCH ACTIVITIES OF THE SOLID STATE PHYSICS LABORATORY OF
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OF NUCLEAR MATERIALS
NEUE TECHNIK 8 (B) (1966) P.350-9 (NSA 21-24859)
KEYWORDS 2 6 10 22
CATIONS U ANIONS C
- 138 CAPE J.A. 1961-A
TAYLOR R.E.
THERMAL PROPERTIES OF REFRACTORY MATERIALS
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KEYWORDS 2 6 7 15 20 21
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- 139 CAPE J.A. 1961-B
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THERMAL PROPERTIES OF REFRACTORY MATERIALS
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KEYWORDS 2 6 7 15 20 21
CATIONS U ANIONS I
- CARLANDER R. - SEE NR 621
- 140 CARLSEN F.L. JR. 1964-A
HARMS W.O.
THERMAL EXPANSION OF UN
ORNL-3670 (1964) P.143-4 (NSA 18-44152)
KEYWORDS 2 6 11 27
CATIONS U ANIONS N

** 182 **

** 183 **

- 141 CARLSON O.N. 1971-A
STEVENS E.R.
THORIUM PHASE DIAGRAMS
NUCL. ENG. DES. 17 (1971) P.439-46 (NSA 26-15774)
KEYWORDS 2 7 26
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- 142 CARNIGLIA S.C. 1963-A
SINGLE CRYSTAL AND DENSE POLYCRYSTALLINE URANIUM CARBIDE -
THERMAL, MECHANICAL, AND CHEMICAL PROPERTIES
NAA-SR-MEMO-9015 (1963) P.6-8 (CONF-206-A) (NSA 18-10537) (NSA
20-9392)
KEYWORDS 2 6 10 13 20 27 30 W
CATIONS U ANIONS C
- 143 CARNIGLIA S.C. 1964-A
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L.E. (NSA 18-10537)
KEYWORDS 2 6 10 13 20 27 30 W
CATIONS U ANIONS C
- 144 CARROLL D.F. 1962-A
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- 145 CARROLL D.F. 1963-A
THERMAL EXPANSION OF PLUTONIUM NITRIDE
J. AMER. CERAM. SOC. 46 (1963) P.406 (NSA 17-3476)
KEYWORDS 2 6 11 27
CATIONS P ANIONS N
- 146 CARROLL R.M. 1968-A
PEREZ R.B. WATSON G.V. MORGAN J.G.
SISMAN O.
FISSION-GAS RELEASE AND PHYSICAL PROPERTIES OF FUEL MATERIALS
DURING IRRADIATION
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DETERMINATION OF AMOUNT OF NONFISSION HEATING REQUIRED FOR IN-
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ORNL-4350 (1969) P.67-72 (NSA 23-20534) (NSA 23-20557)
KEYWORDS 3 6 7 9 11 18 21 W
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- 148 CARROLL R.M. 1969-B
MORGAN J.G.
EFFECT OF TEMPERATURE, FISSION DENSITY, AND BURNUP ON THE
THERMAL DIFFUSIVITY AND FISSION-GAS RELEASE OF UN
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- 149 CARROLL R.M. 1969-C
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THE EFFECT OF STORED ENERGY IN UO₂ AND UN ON IN-REACTOR
MEASUREMENTS OF THERMAL DIFFUSIVITY
ORNL-4390 (1969) P.58-64 (NSA 23-25021) (NSA 23-24784)
KEYWORDS 1 3 6 11 18 21 W
CATIONS U ANIONS N
- CATHFY L. - SEE NR 676
- CAVIN O.B. - SEE NR 181
- 150 CEA 1963-A
STUDY OF THE SHAPING AND IRRADIATION OF URANIUM MONOCARBIDE
EURAE-562 (1963) P.11-5 (NSA 17-61364)
KEYWORDS 2 4 6 11 20 W
CATIONS U ANIONS C
- 151 CEA 1963-B
THE SHAPING AND IRRADIATION OF URANIUM CARBIDE
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CATIONS U ANIONS C
- 152 CHAFIK E. 1970-A
GROLL M. NEUER G.
MEASUREMENT OF THE THERMAL DIFFUSIVITY OF ZIRCONIUM CARBIDE
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KEYWORDS 2 6 7 11 16 W
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- 153 CHANG R. 1962-A
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NA-SR-7400 (1962) P.VII-36/9 (NSA 17-4242) (NSA 17-4248)
KEYWORDS 2 6 10 27
CATIONS U ANIONS C
- CHANG R. - SEE NR 279 280
- 154 CHASANOV M.G. 1973-A
FREDRICKSON D.R.
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A-RESISTANT HEATED DROP-CALORIMETRIC SYSTEM (U3SI)
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KEYWORDS 2 6 7 21
CATIONS U ANIONS I
- CHASANOV M.G. - SEE NR 258 259
- CHEBOTAREV N.T. - SEE NR 613 614
- 155 CHIKALLA T.D. 1965-A
SKAVDAHL R.E.
SELF RADIATION DAMAGE
BNWL-150 (1965) P.2.4-2.5 (NSA 20-7496)
KEYWORDS 2 6 17 27
CATIONS P ANIONS C
- 156 CHIKALLA T.D. 1966-A
SKAVDAHL R.E.
SELF-IRRADIATION DAMAGE OF PLUTONIUM COMPOUNDS
BNWL-198 (1966) P.1.9 (NSA 20-27474)
KEYWORDS 2 6 17 27
CATIONS P ANIONS C
- CHIKALLA T.D. - SEE NR 131 133 134 671 672 673
- 157 CHILDS B.G. 1963-A
OLGIVIE A. RUCKMAN J.C. WHITTON J.L.
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RADIATION DAMAGE IN REACTOR MATERIALS. IAEA (STI/PUR/56A)
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KEYWORDS 3 6 11 20
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(STI/PUR/77) (1963) VOL.2 P.1-17 (NSA 18-12566) (NSA 18-12754)
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- 159 CHILDS B.G. 1963-C
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CATIONS U ANIONS C
- 161 CHIOTTI P. 1949-A
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MELTING NITRIDES, CARBIDES, AND URANIUM DIOXIDE
AEC-3204 (1949) 24P. (ISC-44) (NSA 5-4416)
KEYWORDS 2 7 26
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- 162 CHIOTTI P. 1950-A
THORIUM-CARBON SYSTEM
AEC-3072 (1950) P.46-51 (ISC-103) (NSA 5-3141)
KEYWORDS 2 6 7 20 26
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- 163 CHIOTTI P. 1952-A
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- 164 CHIOTTI P. 1967-A
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ELECTRICAL RESISTIVITY AND PHASE RELATIONS FOR THE THORIUM-
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J. NUCL. MATER. 23 (1967) P.55-67 (IS-1508) (NSA 21-32997)
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- CHIOTTI P. - SEE NR 787 788
- 165 CHUBB W. 1960-A
ROUGH F.A.
RESEARCH ON URANIUM CARBIDE AND CARBIDE-TYPE FUEL MATERIALS AT
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KEYWORDS 2 6 13 30 W
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- 166 CHUBB W. 1961-A
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PROPERTIES OF URANIUM CARBIDES (ABSTRACT)
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KEYWORDS 2 3 6 13 26 27 30 W
CATIONS U ANIONS C
- 167 CHUBB W. 1962-A
PROPERTIES OF CARBIDES AND SULFIDES
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KEYWORDS 3 6 11 20
CATIONS U ANIONS C
- 168 CHUBB W. 1962-B
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PROPERTIES OF URANIUM CARBIDES
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KEYWORDS 2 6 11 20 30 W
CATIONS U ANIONS C

** 184 **

** 185 **

169 CHUBB W. 1962-C
URANIUM CARBIDES
BNI-1598 (1962) P.44-56 (ED.) ENDEBROCK R.W. (NSA 17-5575)
KEYWORDS 2 15 20 26 27 30 W
CATIONS U ANIONS C

170 CHUBB W. 1962-D
PROPERTIES OF URANIUM CARBIDES AND SULFIDES
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KEYWORDS 2 6 16 20 30
CATIONS U ANIONS C ADDITIVES ZR

171 CHUBB W. 1962-E
PROPERTIES OF URANIUM CARBIDES, NITRIDES, AND SULFIDES
REACTOR MATER. 5 NO.4 (1962) P.36-8 (NSA 17-11124) (NSA 17-11126)
KEYWORDS 2 6 16 20 30
CATIONS U T ANIONS F ADDITIVES ME

172 CHUBB W. 1963-A
REFRACTORY FUEL AND FERTILE MATERIALS
REACTOR MATERIALS 6 NO.2 (1963) P.42-3 (NSA 17-17442)
KEYWORDS 2 6 11 W
CATIONS U T ANIONS C N

173 CHUBB W. 1963-B
PROPERTIES OF URANIUM CARBIDES, NITRIDES, AND SULFIDES
REACTOR MATER. 6 NO.3 (1963) P.26 (NSA 17-40313)
KEYWORDS 2 6 21 30
CATIONS U ANIONS C

174 CHUBB W. 1964-A
DICKERSON R.F.
RESEARCH ON URANIUM CARBIDE - BATTELLE MEMORIAL INSTITUTE
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KEYWORDS 2 5 6 7 13 20 27
CATIONS U ANIONS C

175 CHUBB W. 1965-A
FUEL AND FERTILE MATERIALS - CARBIDE AND NITRIDE FUELS
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KEYWORDS 3 6 11 W
CATIONS M ANIONS C

176 CHUBB W. 1969-A
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KEYWORDS 2 6 7 11 15 20 30 W
CATIONS U ANIONS C N A

CHUBB W. - SEE NR 625 627 628

CIHI J. - SEE NR 708 712

CINGOLANI A. - SEE NR 136

CISNEY E. - SEE NR 36

CLAUSSEN N. - SEE NR 495

177 CLOUGH D.J. 1968-A
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FISSILE CERAMICS IN THE RANGE 150-1600C UP TO A DOSE OF 10 TO
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178 COLELLA R. 1969-A
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X-RAY DETERMINATION OF THE DEBYE TEMPERATURE OF URANIUM
MONOCARBIDE
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CATIONS U ANIONS C

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179 COMBARIEU DE A. 1963-A
COSTA P. MICHEL J.C.
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(IN FRENCH)
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KEYWORDS 2 5 13 21
CATIONS U ANIONS C

180 COMSTOCK M. 1960-A
PROPERTIES OF REFRACTORY NUCLEAR MATERIALS
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KEYWORDS 30 W
CATIONS U ANIONS C N

CONTE M. - SEE NR 488 489

181 COOK J.L. 1965-A
MILLER W.R. CAVIN O.B. THACKER L.H.
MEADOWS R.E.
PHASE STUDIES OF THE PSEUDOINARY SYSTEM UC₂-THC₂ IN THE
PRESENCE OF EXCESS GRAPHITE (THERMAL EXPANSION STUDIES)
ORNL-3807 (1965) P.27-9 (NSA 19-36959) (NSA 19-38181)
KEYWORDS 2 6 15 27
CATIONS T V ANIONS C

182 COQUERELLE M. 1970-A
SAMSEL G. WERNER P.
THERMAL FLUX TEMPERATURE MONITORING IRRADIATION EXPERIMENT
WITH URANIUM CARBIDES (C.E.N. BELGIUM)
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P.92-5
KEYWORDS 3 6 7 11 16 W

183 CORDFUNKE E.H.P. 1972-A
MUIS R.P.
THE HEAT CAPACITY OF URANIUM MONONITRIDE
J. NUCL. MATER. 42 (1972) P.233-4 (NSA 26-18159)
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CATIONS U ANIONS N

CORDY R.N. - SEE NR 683 684

184 COSTA P. 1963-A
LALLEMENT R.
RESISTIVITY AND THERMOELECTRIC POWER OF CARBIDES OF THORIUM,
URANIUM AND PLUTONIUM (IN FRENCH)
PHYS. LETT. 7 (1963) P.21-2 (NSA 18-2264)
KEYWORDS 2 5 6 12 20
CATIONS U P T ANIONS C

185 COSTA P. 1964-A
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186 COSTA P. 1964-B
FRANCOIS A.
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187 COSTA P. 1964-C
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188 COSTA P. 1964-D
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RESISTIVITY AND THERMOELECTRIC POWER OF THORIUM, URANIUM AND
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KEYWORDS 2 5 6 11 20
CATIONS U P T ANIONS C

189 COSTA P. 1966-A
LALLEMENT R.
RESISTIVITY AND THERMOELECTRIC POWER OF THE CARBIDES OF
THORIUM, URANIUM AND PLUTONIUM
LA-TR-66-30 (1966) 5P. (NSA 18-2264)
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CATIONS U P T ANIONS C

COSTA P. - SEE NR 179 205 208 215 418

190 COUNSELL J.F. 1966-A
DELL R.M. MARTIN J.F.
THERMODYNAMIC PROPERTIES OF URANIUM COMPOUNDS. PART 2. LOW-
TEMPERATURE HEAT CAPACITY AND ENTROPY OF THREE URANIUM
NITRIDES
TRANS. FARADAY SOC. 62 (1966) P.1736-47 (NSA 20-40921)
KEYWORDS 2 5 12 21
CATIONS U ANIONS N

191 COUNSELL J.F. 1967-A
DELL R.M. JUNKISON A.R. MARTIN J.F.
THERMODYNAMIC PROPERTIES OF URANIUM COMPOUNDS - PART 3. LOW-
TEMPERATURE HEAT CAPACITY AND ENTROPY OF U₂P₃ AND U₃P₄
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KEYWORDS 2 5 11 21
CATIONS U ANIONS F

192 COUNSELL J.F. 1968-A
MARTIN J.F. DELL R.M. JUNKISON A.R.
THERMODYNAMIC PROPERTIES OF URANIUM COMPOUNDS. PART 4. LOW-
TEMPERATURE HEAT CAPACITIES AND ENTROPIES OF U₂-UP SOLID
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162) (1968) P.385-94 (CONF-670915) (NSA 22-31470)
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CATIONS U ANIONS F S

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193 CRANE J. 1963-A
KALISH H.S. LITTON F.B.
THE DEVELOPMENT OF URANIUM CARBIDE AS A NUCLEAR FUEL
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KEYWORDS 2 6 11 27 W
CATIONS U ANIONS C

194 CRANE J. 1964-A
GORDON E.
THE DEVELOPMENT OF URANIUM CARBIDE AS A NUCLEAR FUEL
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KEYWORDS 2 6 11 13 15 20 27 W
CATIONS U ANIONS C

195 CRANE J. 1964-B
GORDON E.
PROGRESS IN PROPERTY DETERMINATIONS AND FABRICATION OF URANIUM
CARBIDE AT UNITED NUCLEAR CORPORATION
TID-7676 (1964) P.199-213 (NSA 18-14377) (NSA 18-14383)
KEYWORDS 2 6 11 15 27
CATIONS U ANIONS C

** 186 **

** 187 **

- 196 CRANE J. 1964-C
GORDON E.
ELEVATED-TEMPERATURE PROPERTIES OF URANIUM CARBIDE
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KEYWORDS 2 6 7 11 15
CATIONS U ANIONS C
- CRANE J. - SEE NR 356 357
- 197 CUNNINGHAM G.W. 1966-A
RECENT RESULTS ON NITRIDES
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(ED.) FERNET P.
KEYWORDS 2 6 11 W
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- CUNNINGHAM G.W. - SEE NR 25
- CURTIS C.E. - SEE NR 592 593
- 198 CYBULSKIS P. 1972-A
UN-PUN TREAT EXPERIMENTS
BMJ-1925 (1972) P.447-A56 (NSA 26-56579) (NSA 26-56578)
KEYWORDS 3 18 W
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- CYBULSKIS P. - SEE NR 40 41 222 223
- DALLAPORTA H. - SEE NR 200
- 199 DANAN J. 1971-A
GRIVEAU B. MARCON J.P. GATESOUE J.P.
DE NOVIION C.H.
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SPECIFIC HEAT OF THORIUM MONONITRIDE FROM 7 TO 300K
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KEYWORDS 2 5 21
CATIONS U T ANIONS N
- 201 DANAN J. 1973-A
SPECIFIC HEAT FROM 35 TO 300K FOR PLUTONIUM SESQUICARBIDE
PUC3 (IN FRENCH)
J. NUCL. MATER. 45 (1973) P.339-40 (NSA 27-20211)
KEYWORDS 2 5 6 21
CATIONS P ANIONS C
- DAVIES T.J. - SEE NR 246
- DAVIS H.L. - SEE NR 643 644
- 202 DAWSON J.K. 1963-A
SOWDEN R.G.
CERAMIC FUELS - URANIUM CARBIDES, PLUTONIUM CARBIDES, URANIUM
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CATIONS U P ANIONS C I
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PENNINGCK R.
THERMAL CONDUCTIVITY
PLG-467 (1972) P.1-18/1-22 (NP-19618) (NSA 27-21571) (NSA 27-
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KEYWORDS 1 2 5 6 9 W
CATIONS U ANIONS C ADDITIVES ME
- 204 DE CONINCK R. 1973-A
VAN LIERDE W. GJIS A.
THERMAL DIFFUSIVITY AND CONDUCTIVITY OF U2C3 UP TO 2200K
J. NUCL. MATER. 46 (1973) P.213-6 (NSA 27-22864)
KEYWORDS 2 6 7 15 W
CATIONS U ANIONS C
- DE CONINCK R. - SEE NR 751
- DE HALAS D.R. - SEE NR 367
- 205 DE NOVIION C.H. 1965-A
COSTA P. DEAN G.
EXISTENCE OF A MAGNETIC TRANSITION IN URANIUM SESQUICARBIDE
U2C3 (IN FRENCH)
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CATIONS U ANIONS C
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KEYWORDS 2 6 7 11 27
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- DELMAS R. - SEE NR 5

** 188 **

** 189 **

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219 DEMASTRY J.A. 1962-A
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DEVELOPMENT OF URANIUM-CONTAINING THORIUM COMPOUNDS
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KEYWORDS 2 6 11 W
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URANIUM DICARBIDE
BMI-159P (1962) P.32-43 (ED.) ENDEBROCK R.W. (NSA 17-5575)
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UN-PUN TREAT ANALYSIS
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230 DONNER D. 1973-A
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PART 1, CHAPT. IX - HIGH-MELTING COMPOUNDS OF URANIUM WITH
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** 190 **

** 191 **

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- 245 EURATOM ISPPA 1968-A
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- 247 FARKAS M.S. 1966-A
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- FILLNOW R.H. - SEE NR 99
- FINDLAY J.R. - SEE NR 118
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- 252 FISK Z. 1970-A
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CATIONS U ANIONS C
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- FUHRMAN N. - SEE NR 256 710
- 264 FULKERSON W. 1969-A
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CATIONS U ANIONS N

** 192 **

** 193 **

266 FULKERSON W. 1970-A
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 WILLIAMS R.K.
 ELECTRICAL AND THERMAL PROPERTIES OF THE NaCl STRUCTURED
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 TRANSIENT HEATING OF UC FUEL ELEMENTS IN THE KEWB FACILITY
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271 GIBBY R.L. 1968-A
 WEREP E.T.
 THERMAL DIFFUSIVITY AND CONDUCTIVITY OF (UO₂-PUO₂)₂N
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 MUSTACCHI C.
 HEAT TRANSFER IN A FUEL ELEMENT GAS GAP
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 KEYWORDS 1 6 8 W
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HIGH TEMPERATURE SEMICONDUCTING COMPOUNDS FOR THERMOELECTRIC
POWER GENERATION
FOS-1592-2M-5 (1961) 10P. (NSA 16-12090)
KEYWORDS 2 6 20
CATIONS U T ANIONS S
- 350 JORDAN C.B. 1962-A
HIGH TEMPERATURE SEMICONDUCTING COMPOUNDS FOR THERMOELECTRIC
POWER GENERATION
FOS-1592-FINAL (1962) 43P. (NSA 16-10524)
KEYWORDS 2 6 20 30
CATIONS U T ANIONS S
- 351 JUENKE E.F. 1964-A
A REVIEW OF RECENT RESEARCH ON REFRACTORY-METAL CARBIDES AND
BORIDES
GEMP-267 (1964) P.9 (NSA 26-20690)
KEYWORDS 2 6 20 26 27 30 W
CATIONS U T ANIONS C
- JUNKISON A.R. - SEE NR 27 191 192
- ** 199 **
- 352 KAEMPF H. 1967-A
TEMPERATURE DISTRIBUTION IN FUEL ELEMENTS (IN GERMAN)
KFK-700 (EUR-3713.D) (1967) P.IV/1-38 (NSA 22-33094) (NSA 22-
32771)
KEYWORDS 1 3 6 7 8 29 W
CATIONS M ANIONS C
- 353 KAEMPF H. 1967-B
THE TEMPERATURE DISTRIBUTION IN THE FUEL ELEMENT
EURFNR-472 (1967) P.IV-1/46 (NSA 22-53273) (NSA 22-33094)
KEYWORDS 1 3 6 7 8 29 W
CATIONS M ANIONS C
- 354 KAEMPF H. 1969-A
CARBIDE FUELS FOR FAST BREEDER REACTORS. XI. POSSIBILITIES OF
A FUEL ROD DESIGN (IN GERMAN)
KFK-1111 (EUR-4315.D) (1969) P.XI/1-27 (NSA 24-17226)
KEYWORDS 1 3 6 7 11 14 29 W
CATIONS M ANIONS C
- 355 KAEMPF H. 1969-B
CARBIDE FUELS FOR FAST BREEDER REACTORS - XI. POSSIBILITIES OF
FUEL ROD DESIGN
EURFNR-722 (EUR-4315.D) (1969) P.XI/1-33 (NSA 24-38542)
KEYWORDS 1 3 6 7 11 14 29 W
CATIONS M ANIONS C
- 356 KALISH H.S. 1962-A
CRANE J.
THE DEVELOPMENT OF URANIUM CARBIDES AS A NUCLEAR FUEL FOR
LOWERING THE COST OF NUCLEAR POWER (TASK 2)
UNC-5033 (1962) P.6-16 (NSA 16-33483)
KEYWORDS 2 6 11 27 W
CATIONS U ANIONS C
- 357 KALISH H.S. 1962-B
LITTON F.B. CRANE J.
PHYSICAL PROPERTY DETERMINATIONS OF URANIUM CARBIDE
UNC-5015 (1962) P.15-20 (NSA 16-30026)
KEYWORDS 2 6 13 27
CATIONS U ANIONS C
- KALISH H.S. - SEE NR 193
- KAMM R.L. - SEE NR 677
- 358 KANE J.L. 1959-A
LITERATURE SURVEY ON URANIUM MONOCARBIDE
MND-2081 (1959) 20P. (NSA 14-2665)
KEYWORDS 2 6 13 30
CATIONS U ANIONS C
- 359 KANGILASKI M. 1962-A
URANIUM SILICIDE
BMI-1598 (1962) P.97-100 (ED.) ENDEBROCK R.W. (NSA 17-5575)
KEYWORDS 30 W
CATIONS U ANIONS I
- 360 KANTER M.A. 1964-A
KAZMIEROWICZ C.W.
GALVANOMETRIC PROPERTIES OF FERROMAGNETIC URANIUM MONOSULFIDE
J. APPL. PHYS. 35 (PT.2) (1964) P.1053
KEYWORDS 2 5 6 20
CATIONS U ANIONS S
- 361 KARSTEN G. 1967-A
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KFK-700 (EUR-3713) (1967) P.II-1/19 (NSA 22-33095) (NSA 22-
32771)
KEYWORDS 2 6 30 W
CATIONS M ANIONS C N
- 362 KARSTEN G. 1967-B
FUEL SELECTION AND FABRICATION
EURFNR-472 (1967) P.II-1/21 (NSA 22-53273)
KEYWORDS 2 6 30 W
CATIONS M ANIONS C N
- 363 KARSTEN G. 1967-C
FUEL ROD PERFORMANCE (THE OPERATING BEHAVIOR OF A FUEL ROD)
(IN GERMAN)
KFK-700 (EUR-3713) (1967) (NSA-22-33095) (NSA 22-32771)
KEYWORDS 3 6 8 W
CATIONS M ANIONS C
- 364 KARSTEN G. 1967-D
THE OPERATING BEHAVIOR OF A FUEL ROD
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KEYWORDS 3 6 8 W
CATIONS M ANIONS C
- 365 KATZ J.J. 1951-A
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RELATED COMPOUNDS (1951) P.219-20 NUCLEAR ENERGY SERIES, DIV.
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KEYWORDS 2 6 7 21 30 W
CATIONS U ANIONS C
- 366 KAZMIEROWICZ C.W. 1963-A
GALVANOMETRIC PROPERTIES OF URANIUM MONOSULFIDE
ANL-6731 (1963) 28P. (NSA 17-36286)
KEYWORDS 2 5 6 20
CATIONS U ANIONS S
- KAZMIEROWICZ C.W. - SEE NR 360

** 200 **

** 201 **

KAZNOFF A.I. - SEE NR 292

KISSLING R. - SEE NR 80

367 KEENAN J.P. 1967-A
GOLDSMITH S. DE HALAS D.R.
FABRICATION AND IRRADIATION FACTORS INFLUENCING PLUTONIUM
RECYCLE ECONOMICS
BNWL-SA-1079 (1967) 17P. (NSA 21-14869)
KEYWORDS 2 6 11 30 W
CATIONS M ANIONS O

383 KIKUCHI T. 1969-A
PHYSICAL PROPERTIES OF CARBIDE FUELS AND THEIR EVALUATION
(INCLUDING OTHER COMPOUND FUELS HAVING THE CRYSTAL STRUCTURE
SIMILAR TO CARBIDE) (IN JAPANESE)
JAERI-13517 (1969) 26P. (JAERI-MEMO 3517) (NSA 25-42956)
KEYWORDS 2 3 6 7 30 W
CATIONS M ANIONS C N

368 KELLER D.L. 1961-A
DEVELOPMENT OF URANIUM MONONITRIDE
EURAE-77 (1961) 15P. (NSA 16-19347)
KEYWORDS 2 6 11 20 W
CATIONS U ANIONS N

384 KIKUCHI T. 1969-B
PHYSICAL PROPERTIES OF NITRIDE FUELS (IN JAPANESE)
GENSHIRYOKU KOGYO 15 (1969) P.75-9
KEYWORDS 2 27 30 W
CATIONS M ANIONS N

369 KELLER D.L. 1961-B
DEVELOPMENT OF URANIUM MONONITRIDE
BMI-X-178 (EURAE-169) (1961) P.2-5 (NSA 16-3450)
KEYWORDS 2 6 11 20 27 W
CATIONS U ANIONS N

385 KIKUCHI T. 1973-A
TAKAHASHI T. NASU S.
POROSITY DEPENDENCE OF THERMAL CONDUCTIVITY OF URANIUM
MONONITRIDE
J. NUCL. MATER. 45 (1973) P.284-92 (NSA 27-15147)
KEYWORDS 2 6 11 14 W
CATIONS U ANIONS N

370 KELLER D.L. 1962-A
DEVELOPMENT OF URANIUM MONONITRIDE
BMI-X-186 (EURAE-260) (1962) 5P. (NSA 16-15118)
KEYWORDS 2 6 11 20 W
CATIONS U ANIONS N

KIKUCHI T. - SEE NR 331 527 530 531 557 558 641

371 KELLER D.L. 1962-B
DEVELOPMENT OF URANIUM MONONITRIDE
BMI-X-10006 (EURAE-424) (1962) P.4-7 (NSA 16-33370)
KEYWORDS 2 6 11 20 27 W
CATIONS U ANIONS N

386 KILP G.R. 1960-A
BLANKENSHIP W.P. MITCHELL P.V. SANDBERG S.W.
THERMOELECTRIC NUCLEAR FUEL ELEMENT
WCAP-1513 (1960) P.4-6 (NSA 14-12946)
KEYWORDS 2 6 20
CATIONS U ANIONS S

372 KELLER D.L. 1962-C
DEVELOPMENT OF URANIUM MONONITRIDE
RMI-X-10019 (EURAE-466) (1962) P.2-4 (NSA 17-1921)
KEYWORDS 2 6 11 21 W
CATIONS U ANIONS N

387 KILP G.R. 1960-B
BLANKENSHIP W.P. GOODSPEED R.C. MARKLEY R.A.
MITCHELL P.V.
FISSILE THERMOELECTRIC MATERIALS STUDIES
WCAP-1630 (1960) P.3-5 (NSA 14-24495)
KEYWORDS 2 6 20
CATIONS U ANIONS S

373 KELLER D.L. 1963-A
DEVELOPMENT OF URANIUM MONONITRIDE
RMI-X-10027 (EURAE-556) (1963) P.2-4 (NSA 17-32483)
KEYWORDS 2 6 11 20 W
CATIONS U ANIONS N

KING E. - SEE NR 784

KINGERY W.D. - SEE NR 543

KELLER D.L. - SEE NR 128 244 575 580 682

388 KITTEL J.H. 1966-A
PHYSICAL PROPERTIES OF CARBIDES, SULFIDES AND PHOSPHIDES OF
PLUTONIUM
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KEYWORDS 2 5 6 20 27 W
CATIONS P ANIONS F S

374 KELLEY K.K. 1949-A
CONTRIBUTIONS TO THE DATA ON THEORETICAL METALLURGY - X. HIGH-
TEMPERATURE HEAT-CONTENT, HEAT-CAPACITY, AND ENTROPY DATA FOR
INORGANIC COMPOUNDS
BULLETIN 476 U.S. BUREAU OF MINES (1949) P.187
KEYWORDS 2 6 7 21
CATIONS T ANIONS N

KLEB R. - SEE NR 258

KLEIN D.J. - SEE NR 235

375 KELLEY K.K. 1960-A
CONTRIBUTION TO THE DATA ON THEORETICAL METALLURGY - XIII.
HIGH-TEMPERATURE HEAT-CONTENT, HEAT CAPACITY, AND ENTROPY DATA
FOR THE ELEMENTS AND INORGANIC COMPOUNDS
BULLETIN 584 U.S. BUREAU OF MINES (1960) P.189 (NSA 14-12583)
KEYWORDS 2 6 7 21
CATIONS T ANIONS N

KLEMENS P.G. - SEE NR 732

KEMMERICH M. - SEE NR 93

389 KLERSY R. 1966-A
IN-PILE THERMAL CONDUCTIVITY OF URANIUM CARBIDE
CERAMIC FUEL MEETING, (BRUSSELS) FEB. 28-MARCH 2 (1966) P.237-
9 (ED.) FERNET P.
KEYWORDS 3 6 7 13 W
CATIONS U ANIONS C

376 KEMPTER C.P. 1959-A
ELLIOTT R.O.
THERMAL EXPANSION OF (UN), (UO2), (UO2,THO2), AND (THO2)
J. CHEM. PHYS. 30 (1959) P.1524-6 (NSA 13-15087)
KEYWORDS 2 6 11 27
CATIONS U ANIONS N

390 KLEYKAMP H. 1972-A
WEDEMEYER H.
TRANSURANIUM COMPOUNDS WITH PHOSPHORUS (IN GERMAN)
GELINS HANDBUCH DER ANORGANISCHEN CHEMIE, BD.4 TRANSURANE
(1972) P.249-51 (PUBL.) VERLAG CHEMIE WEINHEIM/BERGSTRASSE
KEYWORDS 2 6 20 30 W
CATIONS P X ANIONS F

377 KEMPTER C.P. 1962-A
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SOME PROPERTIES OF THORIUM MONOCARBIDE AND DICARBIDE
J. LESS-COMMON METALS 4 (1962) P.244-51 (NSA 16-21060)
KEYWORDS 2 6 20
CATIONS T ANIONS C

KLEYKAMP H. - SEE NR 325 327 328

KOBAYASHI S. - SEE NR 523 524

378 KEMPTER C.P. 1965-A
MERRYMAN R.G.
THERMAL EXPANSION OF A URANIUM MONOCARBIDE-ZIRCONIUM
MONOCARBIDE SOLID SOLUTION
J. CHEM. PHYS. 43 (1965) P.1736-8 (NSA 19-39200)
KEYWORDS 2 6 16 27
CATIONS U ANIONS C ADDITIVES ZR

391 KOENIG N.R. 1960-A
WERB B.A.
PROPERTIES OF CERAMIC AND CERMET FUELS FOR SODIUM GRAPHITE
REACTORS
NAA-SR-3880 (1960) 50P. (NSA 14-18165)
KEYWORDS 2 5 6 11 13 16 20 27 30 W
CATIONS U K ANIONS C I

379 KEMPTER C.P. 1969-A
DERBYE TEMPERATURES OF SOME METAL MONOCARBIDES
PHYS. STATUS SOLIDI 36 (1969) P. K137-9 (NSA 24-8195)
KEYWORDS 1 2 6 10 27
CATIONS U ANIONS C

392 KOLLIE T.G. 1964-A
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THERMAL COMPARATOR MEASUREMENTS
ORNL-3670 (1964) P.25 (NSA 18-44148) (NSA 18-44044)
KEYWORDS 2 6 11 W
CATIONS U ANIONS N

380 KENDALL E.G. 1965-A
RILEY W.C.
REFRACTORY NUCLEAR FUEL ELEMENT MATERIALS
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W.C. (1965) P.251-85 (NSA 20-7513)
KEYWORDS 2 6 30 W
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MOORE J.P.
ELECTRICAL RESISTIVITY AND THERMAL CONDUCTIVITY OF URANIUM
MONONITRIDE
ORNL-3670 (1964) P.142-3 (NSA 18-44044) (NSA 18-44152)
KEYWORDS 2 6 11 20 W
CATIONS U ANIONS N

381 KERR W.R. 1962-A
LITERATURE SURVEY - URANIUM MONONITRIDE
NAA-SR-MEMO-7208 (1962) P.8 (NAA-SR-TDR-7208) (NSA 16-22533)
KEYWORDS 2 6 7 20 26 27 30 W
CATIONS U ANIONS N

394 KOLLIE T.G. 1964-C
MCELROY D.L. GRAVES R.S. FULKERSON W.
A THERMAL COMPARATOR APPARATUS FOR THERMAL CONDUCTIVITY
MEASUREMENTS FROM 50 TO 400C
NUCLEAR METALLURGY VOL. X - IMD SPECIAL REPORT NO.13 (1964)
P.651-76 (NSA 18-35990)
KEYWORDS 2 6 9 11 W
CATIONS U ANIONS N

382 KERRISK J.F. 1971-A
HEAT TRANSFER ANALYSIS
LA-4693-MS (1971) P.13-4 (NSA 25-58344)
KEYWORDS 1 3 8 18 W
CATIONS M ANIONS C

- ** 202 **
- KOLLIE T.G. - SEE NR 266 762 763 764
- KORBITZ F.W. - SEE NR 164
- 395 KORBITZ F.W. JR. 1964-A
ELECTRICAL RESISTIVITY AND PHASE BOUNDARIES FOR THORIUM-CARBON ALLOYS
AD-608348 (THESIS) (1964) 70P. (NSA 19-30723)
KEYWORDS 2 6 7 11 15 20
CATIONS T ANIONS C
- 396 KOSTIK E. 1967-A
PHYSICO-CHEMICAL ASPECTS OF URANIUM NITRIDE PRODUCTION (IN SLOVAK)
NUKL. ENERGIJA 4 (1967) P.6-12 (NSA 22-7069)
KEYWORDS 2 6 20 21 30 W
CATIONS U ANIONS N
- KOTELNIKOV R.B. - SEE NR 477 478 479 480
- KOYAMA K. - SEE NR 691
- KRIKORIAN N.H. - SEE NR 116 117 377
- 397 KRIKORIAN O.H. 1960-A
THERMAL EXPANSION OF HIGH TEMPERATURE MATERIALS
UCRL-6132 (1960) 7P. (NSA 15-1832)
KEYWORDS 2 6 7 11 27 30
CATIONS U ANIONS C N
- 398 KRIKORIAN O.H. 1962-A
ESTIMATION OF HIGH-TEMPERATURE HEAT CAPACITIES OF CARBIDES
UCRL-6785 (1962) 5P. (NSA 16-17618)
KEYWORDS 2 7 11 21
CATIONS U ANIONS C
- KROLL H. - SEE NR 319
- 399 KRUGER O.L. 1961-A
PROPERTIES OF PUC
ANL-6330 (1961) P.82-9 (NSA 15-22692)
KEYWORDS 2 6 13 15 27
CATIONS P ANIONS C
- 400 KRUGER O.L. 1962-A
PREPARATION AND SOME PROPERTIES OF ARC-CAST PLUTONIUM MONOCARBIDE
ANL-PGF-321 (1962) 22P. (NSA 17-6637)
KEYWORDS 2 6 13 15 27
CATIONS P ANIONS C
- 401 KRUGER O.L. 1962-B
PREPARATION AND SOME PROPERTIES OF ARC-CAST PLUTONIUM MONOCARBIDE
J. NUCL. MATER. 7 (1962) P.142-50 (NSA 17-16688)
KEYWORDS 2 6 13 15 27
CATIONS P ANIONS C
- 402 KRUGER O.L. 1964-A
SAVAGE H.
HEAT CAPACITY OF PLUTONIUM MONOCARBIDE FROM 400 TO 1300K
J. CHEM. PHYS. 40 (1964) P.3324-8 (NSA 18-27995)
KEYWORDS 2 6 13 21
CATIONS P ANIONS C
- 403 KRUGER O.L. 1964-B
CONSTITUTION AND PROPERTIES OF PLUTONIUM MONOCARBIDE
NUCLEAR METALLURGY VOL. X - IMD SPECIAL REPORT NO.13 (1964)
P.37-94 (NSA 18-44227)
KEYWORDS 2 6 7 11 13 20 21 27 W
CATIONS P ANIONS C
- 404 KRUGER O.L. 1964-C
SAVAGE H.
HEAT CAPACITY OF PLUTONIUM MONOCARBIDE
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KEYWORDS 2 6 7 21
CATIONS P ANIONS C
- 405 KRUGER O.L. 1965-A
MOSER J.B.
PROPERTIES OF THE CARBIDES, SULFIDES, AND PHOSPHIDES OF PLUTONIUM
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KEYWORDS 2 6 11 27
CATIONS P ANIONS C F S
- 406 KRUGER O.L. 1965-B
MOSER J.B.
ELECTRICAL RESISTIVITY
ANL-7155 (1965) P.106-7 (NSA 21-11190) (NSA 21-11189)
KEYWORDS 2 6 11 20
CATIONS P ANIONS C F S
- 407 KRUGER O.L. 1965-C
MOSER J.B.
PLUTONIUM MONOSULFIDE
ANL-7000 (1965) P.84-6 (NSA 19-44586) (NSA 19-43985)
KEYWORDS 2 6 27
CATIONS P ANIONS S
- 408 KRUGER O.L. 1966-A
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KEYWORDS 2 6 7 11 27
CATIONS P ANIONS F S
- 409 KRUGER O.L. 1966-B
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PREPARATION OF THE SULFIDES AND PHOSPHIDES OF PLUTONIUM
J. INORG. NUCL. CHEM. 28 (1966) P.825-32 (NSA 20-20676)
KEYWORDS 2 7 26
CATIONS P ANIONS F S
- ** 203 **
- 410 KRUGER O.L. 1967-A
MOSER J.B.
ELECTRICAL PROPERTIES AND ELECTRONIC CONFIGURATION OF THE MONOCARBIDE, MONOPHOSPHIDE, AND MONOSULFIDE OF PLUTONIUM
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KEYWORDS 2 6 13 20
CATIONS P ANIONS C F S
- 411 KRUGER O.L. 1967-B
MOSER J.B.
ELECTRICAL PROPERTIES AND ELECTRONIC CONFIGURATIONS OF THE ACTINIDE METAL COMPOUNDS WITH NONMETALS OF GROUPS IV-VI
ANL-7299 (1967) P.126-30 (NSA 22-43631) (NSA 22-43519)
KEYWORDS 2 6 7 11 13 20
CATIONS P ANIONS C F S
- 412 KRUGER O.L. 1967-C
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PREPARATION, ELECTRONIC STRUCTURE, AND CONDUCTION PROCESSES OF ACTINIDE IVA-VIA COMPOUNDS
CHEM. ENGINEERING PROGRESS SYMPOSIUM SERIES 63 (1967) P.1-10
KEYWORDS 2 6 11 20 30 W
CATIONS P ANIONS C F S
- 413 KRUGER O.L. 1967-D
MOSER J.B.
LATTICE CONSTANTS AND MELTING POINTS OF ACTINIDE-GROUP IVA-VIA COMPOUNDS WITH NaCl-TYPE STRUCTURES
J. PHYS. CHEM. SOLIDS 28 (1967) P.2321-5 (NSA 22-9061)
KEYWORDS 2 26
CATIONS U ANIONS F S
- 414 KRUGER O.L. 1968-A
MOSER J.B.
COMPOUNDS OF PLUTONIUM, URANIUM, AND THORIUM
ANL-7417 (1968) P.28-9 (NSA 24-25768)
KEYWORDS 2 7 16 26
CATIONS U P ANIONS F S ADDITIVES ME
- KRUGER O.L. - SEE NR 299 300 503 504 505 506 507
** - SEE NR 508 509 510 511 512 513 514
** - SEE NR 515 516
- KRUMMEICH W. - SEE NR 112
- KRYGER B. - SEE NR 488 489
- 415 KUBOTA T. 1964-A
SEKI Y.
THERMAL CONDUCTIVITY OF UO₂, UC AND UC₂
J. NUCL. SCI. TECHNOL. (TOKYO) 1 (1964) P.93-100 (NSA 18-34172)
KEYWORDS 2 6 9 11 15 W
CATIONS U ANIONS C
- KUEHN H. - SEE NR 319
- KUNNETSOVA V.G. - SEE NR 614
- KUTAITSEV V.I. - SEE NR 614
- KUZIN N.I. - SEE NR 613 614
- KUZNETSOVA V.G. - SEE NR 613
- 416 KUZNIETZ M. 1971-A
THE PRESENTLY KNOWN ELECTRONIC AND MAGNETIC PROPERTIES OF URANIUM MONOPHTIIDES AND MONOCHALCOGENIDES
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P.162-7
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CATIONS U ANIONS N F
- KUZNIETZ M. - SEE NR 297
- 417 LAGEDROST J.F. 1966-A
STORHOK V.W.
SELECTED PHYSICAL PROPERTIES OF NITRIDE FUEL
BMI-1784 (1966) P.A-10/A-14 (NSA 21-18308)
KEYWORDS 2 6 11 W
CATIONS U ANIONS N
- 418 LALLEMENT R. 1965-A
COSTA P.
PASCARD R.
LOW TEMPERATURE RESISTIVITY AND MAGNETIC SUSCEPTIBILITY OF PLUTONIUM MONOCARBIDE (IN FRENCH)
J. PHYS. CHEM. SOLIDS 26 (1965) P.1255-60 (NSA 19-42870)
KEYWORDS 2 5 11 20
CATIONS P ANIONS C
- 419 LALLEMENT R. 1968-A
SOME ELECTRICAL AND MAGNETIC PROPERTIES OF COMPOUNDS OF RARE EARTHS AND ACTINIDES
PROC. BRIT. CERAMIC. SOC. 10 (1968) P.115-28 (NSA 22-26498)
KEYWORDS 1 2 5 20
CATIONS U P X ANIONS C N
- LALLEMENT R. - SEE NR 184 185 187 188 189 212 213
- LAND C.C. - SEE NR 553 554 555
- 420 LANGER S. 1964-A
PHYSICO-CHEMICAL PROPERTIES OF CARBIDES FOR NUCLEAR APPLICATIONS
MATERIALS AND FUELS FOR HIGH-TEMPERATURE NUCLEAR ENERGY APPLICATIONS (1964) P.250-2 (EDS.) SIMNAD M.T., ZUMWALT L.R. (NSA 18-22518)
KEYWORDS 2 6 7 15 26 W
CATIONS U P T ANIONS C

** 204 **

** 205 **

421 LARIN A.A. 1972-A
VLASOV V.G.
ELECTRICAL PROPERTIES OF URANIUM OXYCARBIDES (IN RUSSIAN)
Zh. NEORG. KHIM. 17 (1972) P.291-4 (NSA 26-37776)
KEYWORDS 2 20
CATIONS U ANIONS A

422 LASL 1965-A
SELF-RADIATION DAMAGE OF REFRACTORY PU COMPOUNDS
LA-3431-MS (1965) P.44 (NSA 20-8390)
KEYWORDS 2 6 17 27
CATIONS M ANIONS N

423 LASL 1965-B
THERMAL CONDUCTIVITY OF (U,P)C
LA-3431-MS (1965) P.45 (NSA 20-8390)
KEYWORDS 2 6 13 W
CATIONS M ANIONS C

LATIMER T.W. - SEE NR 303

424 LEARY J.A. 1963-A
MARAMAN W.J. MINER W.N. SCHONFELD F.W.
QUARTERLY STATUS REPORT ON SOLID PLUTONIUM FUELS PROGRAM FOR
PERIOD UP TO JUNE 30, 1963
LAMS-2949 (1963) P.12-3 (NSA 17-34325)
KEYWORDS 2 6 13 15 27 W
CATIONS M ANIONS C

425 LEARY J.A. 1963-B
THOMAS R.L. OGARD A.E. WONN G.C.
THERMAL CONDUCTIVITY AND ELECTRICAL RESISTIVITY OF UC, (U,P)C
AND PUC
LADC-5924 (1963) 16P. (CONF-206-4) (NSA 18-2223)
KEYWORDS 2 6 13 20 W
CATIONS U P M ANIONS C

426 LEARY J.A. 1963-C
MARAMAN W.J. MINER W.N. SCHONFELD F.W.
PROPERTIES OF MATERIALS
LAMS-3023 (1963) P.6 (NSA 18-7126)
KEYWORDS 2 6 20
CATIONS M ANIONS C

427 LEARY J.A. 1964-A
PLUTONIUM FUELS
LA-DC-6712 (1964) 7P. (NSA 19-9606)
KEYWORDS 2 6 13 20
CATIONS U P ANIONS C

428 LEARY J.A. 1964-B
THOMAS R.L. OGARD A.E. WONN G.C.
THERMAL CONDUCTIVITY AND ELECTRICAL RESISTIVITY OF UC, (U,P)C
AND PUC
CARRIDES IN NUCLEAR ENERGY 1 (1964) P.365-72 (ED.) RUSSELL
L.E. (CONF-206-A) (NSA 18-2223) (NSA 20-9392)
KEYWORDS 2 6 13 20 W
CATIONS U P M ANIONS C

429 LEARY J.A. 1964-C
MARAMAN W.J. MINER W.N. SCHONFELD F.W.
PROPERTIES OF MATERIALS
LAMS-3054 (1964) P.6-11 (NSA 18-18290)
KEYWORDS 2 6 20 W
CATIONS M ANIONS C

430 LEARY J.A. 1966-A
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KEYWORDS 2 6 7 11 13 30 W
CATIONS M ANIONS C

431 LEARY J.A. 1967-A
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KEYWORDS 2 6 11 13 W
CATIONS M ANIONS C

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KEYWORDS 2 6 11 13 W
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LEBEDEV I.G. - SEE NR 483 484 485

LEBLANC J.M. - SEE NR 29

LECLERE J. - SEE NR 488 489

433 LEHMANN J. 1967-A
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NOUVEAU TRAITE DE CHIMIE MINERALE, TOME XV, 4. FASCICULE
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KEYWORDS 2 6 20 30
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434 LEIBER C.O. 1971-A
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KEYWORDS 2 6 7 11 21
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436 LERNER P. 1967-A
ACCARY A.
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KEYWORDS 2 6 21
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KEYWORDS 2 7 11 21
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439 LIVEY D. 1963-A
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KEYWORDS 2 6 7 12 15 27 W
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440 LO R.K. 1970-A
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KEYWORDS 1 3 18 W
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KEYWORDS 2 6 7 9 W
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443 LORENZELLI R. 1970-A
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444 LORENZELLI R. 1970-B
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445 LOWRIE R. 1961-A
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** 206 **

** 207 **

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- 450 MACEWAN J.R. 1971-A
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- 451 MACLEOD A.C. 1967-A
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- MANARA A. - SEE NR 136 137
- MANFORD C. - SEE NR 784
- MANSARD B. - SEE NR 231 232
- MANSFIELD R.L. - SEE NR 237
- MARAMAN W.J. - SEE NR 424 426 429
- 454 MARCON J.P. 1969-A
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- MARCON J.P. - SEE NR 199 290
- MARDON P.G. - SEE NR 260
- MARKLEY R.A. - SEE NR 387
- 455 MARPLES J.A.C. 1970-A
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- 456 MARR W.W. 1971-A
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KEYWORDS 1 3 6 7 8 29 W
CATIONS M ANIONS O C
- 457 MARTIN J.F. 1967-A
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22-4114)
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- 458 MARTIN R.L. 1966-A
STORHOK V.W.
MEASUREMENTS OF SELECTED PHYSICAL PROPERTIES OF NITRIDE FUELS
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KEYWORDS 2 3 6 11 13 W
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STORHOK V.W.
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KEYWORDS 2 6 11
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- 462 MARTIN R.L. 1966-E
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- 463 MATERIALS ENGINEER. 1970-A
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CATIONS U ANIONS C
- MATHERS W.G. - SEE NR 448 449 716
- 465 MATOLICH J. JR. 1967-A
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CATIONS U ANIONS N
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SELECTED PHYSICAL PROPERTIES OF NITRIDE FUELS
BMI-1798 (1967) P.A-28/29 (NSA 21-32951)
KEYWORDS 2 6 9 W
CATIONS M ANIONS N
- 467 MATOLICH J. JR. 1967-C
STORHOK V.W.
SELECTED PHYSICAL PROPERTIES OF NITRIDE FUELS
BMI-1819 (1967) P.A-16/17 (NSA 22-15261)
KEYWORDS 2 6 9 W
CATIONS M ANIONS N
- 468 MATOLICH J. JR. 1968-A
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SELECTED PHYSICAL PROPERTIES OF NITRIDE FUELS
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KEYWORDS 2 6 11 15 W
CATIONS M ANIONS N
- 469 MATOLICH J. JR. 1968-B
STORHOK V.W.
SELECTED PHYSICAL PROPERTIES OF NITRIDE FUELS
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KEYWORDS 2 6 13 27 W
CATIONS M ANIONS N
- 470 MATOLICH J. JR. 1968-C
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SELECTED PROPERTIES OF NITRIDE FUELS
BMI-1845 (1968) P.A60-7 (NSA 23-1019) (NSA 23-1034)
KEYWORDS 2 6 13 15 27 W
CATIONS P M ANIONS N
- 471 MATSON L.K. 1963-A
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KEYWORDS 2 6 7 20 26
CATIONS U ANIONS S
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KEYWORDS 4 6 13 20
CATIONS U ANIONS C
- MATSUI H. - SEE NR 635

** 208 **

MATTHEWS J.C. - SEE NR 305

** 209 **

473 MATZ G. 1962-A
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ATOMPRAXIS 8 (1962) P.94-9 (NSA 16-15135)
KEYWORDS 1 2 3 6 11 30 W
CATIONS U ANIONS C

474 MATZKE H. 1964-A
LINDNER R.
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KEYWORDS 2 6 7 20 27 30 W
CATIONS U ANIONS C

486 MERCURIO J.P. 1969-A
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KEYWORDS 2 5 21
CATIONS T ANIONS F ADDITIVES B

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MERRYMAN R.G. - SEE NR 378

MEYER R.A. - SEE NR 237

MICHEL J.C. - SEE NR 179

475 MCELROY D.L. 1969-A
WILLIAMS R.K. BANKS T.E.
FUEL-CLADDING THERMAL CONDUCTANCE
ORNL-4350 (1969) P.56-62 (NSA 23-20534) (NSA 23-20536)
KEYWORDS 2 6 8 W
CATIONS M ANIONS N

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" - SEE NR 501 502 761 789 790 791 792
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487 MIHAILOVIC Z. 1962-A
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AEC-TR-5174 (1962) 31P. (APPENDIX I) (NSA 16-24179)
KEYWORDS 2 6 11 15 W
CATIONS U T ANIONS C

488 MIKAILOFF H. 1969-B
LECLERE J. KRYGER B. BLOCH J.
CONTE M.
IRRADIATION OF MIXED URANIUM AND PLUTONIUM CARBIDE AND NITRIDE
FUELS IN THE FAST NEUTRON LOOP 'MFBS'
EURFNR-688 (1969) 103P. (NSA 24-14964)
KEYWORDS 1 3 6 7
CATIONS M ANIONS C N

MCURTRY C.H. - SEE NR 722

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476 MCNEAL N.A. 1970-A
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PLUTONIUM DISTRIBUTIONS AND ITS EFFECT ON DOPPLER FEEDBACK
ANL-7610 (1970) P.332-5 (NSA 24-47877) (NSA 24-47805)
KEYWORDS 3 6 7 18 W
CATIONS M ANIONS C

MEADOWCROFT R.R. - SEE NR 450

MEADOWS R.E. - SEE NR 181

489 MIKAILOFF H. 1970-A
LECLERE J. KRYGER B. BLOCH J.
CONTE M.
IRRADIATION OF MIXED URANIUM AND PLUTONIUM CARBIDE AND NITRIDE
FUELS IN THE FAST NEUTRON LOOP 'MFBS' (IN FRENCH)
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KEYWORDS 1 3 6 7 W
CATIONS M ANIONS C N

477 MEERSON G.A. 1960-A
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AT. ENERG. (USSR) 9 (1960) P.387-412 (NSA 15-11550)
KEYWORDS 2 6 30 W
CATIONS U ANIONS C

490 MILET C. 1967-A
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CEA-R 3201 (1967) 44P. (NSA 21-28826)
KEYWORDS 2 6 7 11 16 20 W
CATIONS M ANIONS C ADDITIVES TI

478 MEERSON G.A. 1961-A
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URANIUM MONOCARBIDE
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KEYWORDS 2 6 30 W
CATIONS U ANIONS C

491 MILET C. 1967-B
INVESTIGATIONS OF URANIUM-PLUTONIUM-TITANIUM-CARBON COMPOUNDS
(IN FRENCH)
MEM. SCI. REV. METALLRG. 64 (1967) P.261-6 (NSA 21-32991)
KEYWORDS 2 6 11 16 20 W
CATIONS U M ANIONS C ADDITIVES TI

479 MEERSON G.A. 1961-B
KOTELNIKOV R.B. BASHLYKOV S.N.
URANIUM MONOCARBIDE (IN ITALIAN)
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KEYWORDS 2 6 20 30 W
CATIONS U ANIONS C

492 MILET C. 1968-A
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FRENCH)
CEA-R 3656 (THESIS) (1968) 77P. (NSA 23-17392)
KEYWORDS 2 6 7 11 16 W
CATIONS U M ANIONS C ADDITIVES TI

480 MEERSON G.A. 1962-A
KOTELNIKOV R.B. BASHLYKOV S.N.
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KEYWORDS 2 6 20 30 W
CATIONS U ANIONS C

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MILLER A.D. - SEE NR 216 678 679

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481 MENDEZ PENALOSA R. 1963-A
THERMAL EXPANSION OF URANIUM MONOCARBIDE
NAA-SR-8538 (1963) 23P. (NSA 17-39539)
KEYWORDS 2 6 7 13 27
CATIONS U ANIONS C

493 MILNE J.M. 1964-A
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D.P. REPORT 284 (1964) 20P. (NSA 24-43755)
KEYWORDS 2 6 7 9 12 20 W
CATIONS M ANIONS C

482 MENDEZ PENALOSA R. 1964-A
TAYLOR R.E.
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KEYWORDS 2 6 7 13 27
CATIONS U ANIONS C

MIÑER W.N. - SEE NR 424 426 429

MIRARCHI U. - SEE NR 446

MITCHELL P.V. - SEE NR 386 387

483 MENSHIKOVA T.S. 1971-B
RESHETNIKOV F.G. MUKHIN V.S. RYMASHEVSKII G.A.
LEREDEV I.G. EPSHTEIN A.L.
PROPERTIES OF CARBIDE, NITRIDE, PHOSPHIDE, AND OTHER FUEL
COMPOSITIONS AND THEIR BEHAVIOR UNDER IRRADIATION (IN RUSSIAN)
ATOMNAYA ENERGIYA 31 (1971) P.393-402
KEYWORDS 2 5 7 30 W
CATIONS U ANIONS C N F S

494 MOCHALOV G.A. 1968-A
TAGIROVA R.K. TEREKHOV G.I. IVANOV O.S.
THE LINEAR EXPANSION AT UP TO 1100C AND THE DENSITY OF SOME
ALLOYS AND COMPOUNDS OF URANIUM (IN RUSSIAN)
FIZ.-KHIMIYA SPLAVOV I TUGOPLAVKIKH SOEDIN. S TORIEM I URANOM.
(1968) P.53-62 (NSA 23-41732)
KEYWORDS 2 6 27
CATIONS U ANIONS C I

484 MENSHIKOVA T.S. 1971-C
RESHETNIKOV F.G. MUKHIN V.S. RYMASHEVSKII G.A.
LEREDEV I.G. EPSHTEIN A.L.
PROPERTIES OF CARBIDE, NITRIDE, PHOSPHIDE, AND OTHER FUEL
COMPOSITIONS AND THEIR BEHAVIOR UNDER IRRADIATION
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KEYWORDS 2 6 7 30 W
CATIONS U ANIONS C N F S

495 MOENCH S. 1968-A
CLAUSSEN N.
PROPERTIES OF MIXTURES OF URANIUM NITRIDE AND URANIUM DIOXIDE
PROC. 4TH INT. CONF. ON 'SCIENCE OF CERAMICS' 1967
(MAASTRICHT). SCI. CERAM. 4 (1968) P.459-64 (NSA 23-12431)
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KEYWORDS 2 6 20 27
CATIONS U ANIONS B

485 MENSHIKOVA T.S. 1972-A
RESHETNIKOV F.G. RYMASHEVSKII G.A. LEBEDEV I.G.
MUKHIN V.S. EPSHTEIN A.L.
PROPERTIES AND IRRADIATION BEHAVIOUR OF CARBIDE, NITRIDE,
PHOSPHIDE AND OTHER FUEL COMPOSITIONS
PROC. 4TH INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 10
(1972) GENEVA P.217-38 (A/CONF.49/P/454) (CONF-710901-472)
KEYWORDS 2 6 20 21 27 W
CATIONS U ANIONS C N F

MOODY J.W. - SEE NR 471

496 MOORE J.P. 1967-A
WILLIAMS R.K. MCELROY D.L.
THERMAL CONDUCTIVITY OF UN
ORNL-4170 (1967) P.33 (NSA 22-8820) (NSA 22-8685)
KEYWORDS 2 6 11 W
CATIONS U ANIONS N

** 210 **

** 211 **

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| <p>497 MOORE J.P. 1967-B
GRAVES R.S. WILLIAMS R.K. MCELROY D.L.
HEAT FLOW RESULTS
ORNL-4170 (1967) P.39 (NSA 22-8685) (NSA 22-8731)
KEYWORDS 2 6 15 W
CATIONS U ANIONS N</p> <p>498 MOORE J.P. 1967-C
GRAVES R.S. WILLIAMS R.K.
COMPARATIVE LONGITUDINAL SYSTEM
ORNL-4170 (1967) P.39-40 (NSA 22-8731) (NSA 22-8685)
KEYWORDS 2 6 9 11 W
CATIONS U ANIONS N</p> <p>499 MOORE J.P. 1968-A
FULKERSON W. MCELROY D.L.
THERMAL CONDUCTIVITY, ELECTRICAL RESISTIVITY AND SEEBECK
COEFFICIENT OF URANIUM MONONITRIDE FROM 77 TO 400K
AMER. CERAM. SOC. BULL. 47 (1968) P.417 (ABSTRACT)
KEYWORDS 2 5 11 20 W
CATIONS U ANIONS N</p> <p>500 MOORE J.P. 1968-B
FULKERSON W. MCELROY D.L.
TRANSPORT PROPERTIES OF UN
ORNL-4370 (1968) P.26-B (NSA 23-8304) (NSA 23-8106)
KEYWORDS 2 5 11 20 W
CATIONS U ANIONS N</p> <p>501 MOORE J.P. 1970-A
FULKERSON W. MCELROY D.L.
THERMAL CONDUCTIVITY, ELECTRICAL RESISTIVITY, AND SEEBECK
COEFFICIENT OF URANIUM MONONITRIDE
J. AMER. CERAM. SOC. 53 (1970) P.76-82
KEYWORDS 2 5 11 20 W
CATIONS U ANIONS N</p> <p>502 MOORE J.P. 1970-B
FULKERSON W. MCELROY D.L.
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** 212 **

** 213 **

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** 214 **

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** 216 **

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580 PARDUE W.M. 1969-A
RAUER A.A. KELLER D.L.
POTENTIAL OF MIXED NITRIDE (U,P)N AS A FAST REACTOR FUEL
CERAMIC NUCLEAR FUELS (1969) P.166-78 (EDS.) KRUGER O.L.,
KAZNOFF A.I., (NSA 24-10206) (NSA 24-10134)
KEYWORDS 2 6 7 11 26 30 W
CATIONS M ANIONS N

PARDUE W.M. - SEE NR 26 42 630

581 PARKER R. 1967-A
FAGAN J.
IN-PILE CALORIMETRY
CONF-660511 (1967) P.3.3.1-3.3.13 (NSA 21-21823)
KEYWORDS 3 9 21
CATIONS U M ANIONS C

PARKINSON N. - SEE NR 634

582 PASCARD R. 1962-A
PRELIMINARY STUDIES ON THE SYSTEM PLUTONIUM-CARBON AND SOLID
SOLUTIONS OF URANIUM-CARBIDE-PLUTONIUM CARBIDE (IN FRENCH)
PROC. 4TH PLANSEE SEMINAR (1961) REUTTE/TYROL. POWDER
METALLURGY IN THE NUCLEAR AGE (1962) P.387-416 (ED.)
RENEUSOVSKY F. (NSA 17-1848)
KEYWORDS 2 6 11 20 27
CATIONS P M ANIONS C

583 PASCARD R. 1962-B
THE FUEL FOR RAPSODIE (II. CERAMIC SOLUTIONS)
AEC-TR-6359 (1962) P.6-10 (NSA 18-17290)
KEYWORDS 2 6 15 20
CATIONS M ANIONS C

584 PASCARD R. 1962-C
THE FUEL FOR RAPSODIE (II. CERAMIC SOLUTIONS) (IN FRENCH)
COMPT. RENDU D'ESSAI 253 (1962) CEA P.6-10 (NSA 18-17290)
KEYWORDS 2 6 15 20
CATIONS M ANIONS C

585 PASCARD R. 1966-A
USE OF MIXED URANIUM-PLUTONIUM CARBIDES AS FUEL FOR FAST
REACTORS (IN FRENCH)
PULL. INFORM. SCI. TECH. (PARIS) 100 (1966) P.41-56 (NSA 20-
19193)
KEYWORDS 1 2 3 6 7 11 30 W
CATIONS M ANIONS C

586 PASCARD R. 1968-A
PROPERTIES OF CARBIDES AND CARBONITRIDES
NUCLEAR METALLURGY VOL. 13 (1968) P.345-68 (NSA 23-10246) (NSA
23-10155)
KEYWORDS 2 6 7 11 13 30 W
CATIONS M ANIONS C

PASCARD R. - SEE NR 418

PAULSON D. - SEE NR 316

587 PEARLMAN H. 1965-A
DICKERSON R.F.
CARBIDE FUEL FABRICATION AND PERFORMANCE
PROC. 3RD INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 11
(1965) GENEVA P.438-49 (A/CONF.28/P/234) (NSA 18-32028)
KEYWORDS 2 6 7 11 20 30 W
CATIONS M ANIONS C

588 PEARSON J.A. 1962-A
THERMAL RESISTANCE OF THE JOINT BETWEEN A NUCLEAR FUEL AND ITS
CANNING MATERIAL
NUCL. ENERGY (1962) P.444-9 (NSA 17-6237)
KEYWORDS 1 2 6 8 W
CATIONS U ANIONS C

589 PEMBER L.A. 1963-A
PROPERTIES OF CERAMIC FUEL MATERIALS
HW-78260 CH (1963) 4P. (NSA 17-36296)
KEYWORDS 2 6 20 21 26 27 30 W
CATIONS U P T ANIONS C

** 217 **

PENNINCKX R. - SEE NR 203 751

PEREZ R.B. - SEE NR 146 147 149

590 PETERSON S. 1965-A
ADAMS R.E. DOUGLAS D.A. JR.
PROPERTIES OF THORIUM, ITS ALLOYS, AND ITS COMPOUNDS
ORNL-TM-1144 (1965) 29P. (NSA 19-41025)
KEYWORDS 2 20 21 26 27 30
CATIONS T ANIONS C

591 PETERSON S. 1966-A
ADAMS R.E. DOUGLAS D.A. JR.
PROPERTIES OF THORIUM, ITS ALLOYS AND ITS COMPOUNDS
UTILIZATION OF THORIUM IN POWER REACTORS (VIENNA), IAEA
(STI/DOC/10/52) (1966) P.292-312 (NSA 20-31767)
KEYWORDS 2 6 27 W
CATIONS T ANIONS C

592 PETERSON S. 1970-A
CURTIS C.E.
THORIUM CERAMICS DATA MANUAL. VOL.II NITRIDES
ORNL-4503 VOL.II (1970) 13P. (NSA 25-8927)
KEYWORDS 2 6 7 11 12 30 W
CATIONS U P T ANIONS O C N

593 PETERSON S. 1971-A
CURTIS C.E.
THORIUM CERAMICS DATA MANUAL. VOL.III CARBIDES
ORNL-4503 VOL.III (1971) 34P. (NSA 25-35548)
KEYWORDS 2 6 7 15 26 27 30
CATIONS T V R ANIONS C

594 PETERSON S. 1972-A
THORIUM CERAMICS DATA MANUAL. VOL.IV - BORIDES
ORNL-4503 VOL.IV (1972) P.115/117/121 (NSA 27-7817)
KEYWORDS 2 6 7 20 22 30 W
CATIONS T ANIONS B

595 PETERSON S. 1972-B
THORIUM CERAMICS DATA MANUAL. VOL.V - SULFIDES
ORNL-4503 VOL.V (1972) P.126-33 (NSA 27-7933)
KEYWORDS 2 6 20 21 26 W
CATIONS T V ANIONS S

PETIT P. - SEE NR 443 444

596 PHILLIPS W.M. 1959-A
FOSTER E.L. DICKERSON R.F.
PHYSICAL CHARACTERISTICS AND PROPERTIES OF URANIUM CARBIDES
BMI-1357 (1959) P.53-5 (NSA 13-21170)
KEYWORDS 2 6 13 20
CATIONS U ANIONS C

597 PHILLIPS W.M. 1959-B
FOSTER E.L. DICKERSON R.F.
METALLURGICAL AND ENGINEERING PROPERTIES OF URANIUM
MONOCARBIDE
BMI-1391 (1959) P.60-1 (NSA 14-14002)
KEYWORDS 2 6 13 15 20 W
CATIONS U ANIONS C

598 PHILLIPS W.M. 1960-A
PROPERTIES OF NUCLEAR CARBIDES
BMI-1441 (1960) P.3-8 (NSA 14-18107)
KEYWORDS 2 6 11 13 30 W
CATIONS U ANIONS C

599 PHILLIPS W.M. 1960-B
FOSTER E.L. DICKERSON R.F.
MECHANICAL AND PHYSICAL PROPERTIES OF URANIUM MONOCARBIDE
BMI-1442 (REV.) (1960) P.F-4/F-7 (NSA 14-19311)
KEYWORDS 2 6 16 20 27 W
CATIONS U ANIONS C ADDITIVES ZR

600 PIALOUX A. 1971-A
DODE M.
HIGH TEMPERATURE X-RAY STUDY OF CARBON REACTIONS WITH
REFRACTORY OXIDES. I. - UO2 PARAMETER IN THE PRESENCE OF C AND
CO, FROM 1400 TO 2180 DEG C. THE PARAMETER IN EQUILIBRIUM WITH
UC2 AND CO AT 1769 DEG C. (IN FRENCH)
REV. INT. HAUTES TEMP. REFRACT. 8 (1971) P.155-60 (NSA 26-611)
KEYWORDS 2 7 11 27
CATIONS U ANIONS O C

POPOVA N.M. - SEE NR 638

POTTER R.A. - SEE NR 229 781 782

POULIN E. - SEE NR 249

POWELL R.W. - SEE NR 732 734

POWERS J.A. - SEE NR 346

601 PRADOS J.W. 1965-A
DECARLO V.A. SCOTT J.L.
THERMAL CONDUCTIVITIES OF FUELED GRAPHITE SPHERES FROM
IRRADIATION TEST DATA
TRANS. AMER. NUCL. SOC. 8 (1965) P.37-8 (NSA 19-28900)
KEYWORDS 3 6 7 11 W
CATIONS U K V ANIONS C

PRADOS J.W. - SEE NR 656

PRICE C.E. - SEE NR 759 760

** 218 **

** 219 **

602 PRICE R.B. 1960-A
STAHL D. STANG J.H. SIMONS E.M.
IRRADIATION-CAPSULE STUDY OF URANIUM MONOCARBIDE
RMI-1425 (1960) P.31-8 (NSA 14-13014)
KEYWORDS 3 6 7 W
CATIONS U ANIONS C

QUIRK J.F. - SEE NR 304 441

RABINOWITCH F. - SEE NR 365

603 RADOSEVICH L.G. 1969-A
WILLIAMS W.S.
LOW-TEMPERATURE THERMAL CONDUCTIVITY OF URANIUM NITRIDE
J. AMER. CERAM. SOC. 52 (1969) P.514 (NSA 23-48534)
KEYWORDS 2 5 11 W
CATIONS U ANIONS N

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604 RAND M.H. 1962-A
STREET R.S.
HIGH TEMPERATURE X-RAY DIFFRACTION STUDIES. PART 3 - PLUTONIUM
NITRIDE AND PLUTONIUM SESQUICARBIDE
AFRE-M 973 (1962) 8P.
KEYWORDS 2 6 11 27
CATIONS P ANIONS C N

605 RAND M.H. 1964-A
STREET R.S.
ANOMALOUS THERMAL EXPANSIONS IN THE PLUTONIUM MONOCARBIDE
REGION
CARBIDES IN NUCLEAR ENERGY 1 (1964) P.108-12 (ED.) RUSSELL
L.E. (CONF-206-A) (NSA 20-9549) (NSA 20-9392)
KEYWORDS 2 6 11 27
CATIONS P ANIONS C

606 RAND M.H. 1966-A
THERMOCHEMICAL PROPERTIES
AT. ENERGY REV. 4 SPECIAL ISSUE NO.1 PLUTONIUM - PHYSICO-
CHEMICAL PROPERTIES OF ITS COMPOUNDS AND ALLOYS (1966) P.7-51
(NSA 20-93265)
KEYWORDS 2 6 7 21 26 30
CATIONS P ANIONS C

607 RAND M.H. 1968-A
A THERMOCHEMICAL ASSESSMENT OF THE PLUTONIUM-CARBON SYSTEM
IAEA PANEL MEETING (VIENNA) (1968) 17P.
KEYWORDS 2 6 7 21
CATIONS P ANIONS C

RAND M.H. - SEE NR 714

608 REAVIS J.G. 1968-A
BAKER C.W.
MELTING OF (U,PU)C
LA-3940-MS (1968) P.17-9 (NSA 22-27487)
KEYWORDS 2 7 15 26
CATIONS M ANIONS C

609 REAVIS J.G. 1968-B
MELTING OF (U,PU) MONOCARBIDES
LA-3993-MS (1968) P.35-6 (NSA 22-50841)
KEYWORDS 2 7 15 26
CATIONS M ANIONS C

610 REAVIS J.G. 1970-A
JOHNSON K.A. LEARY J.A.
MELTING BEHAVIOR OF (U,PU) MONOCARBIDES
PROC. 4TH INT. CONF. ON PLUTONIUM AND OTHER ACTINIDES (SANTA
FE). NUCLEAR METALLURGY VOL. 17 PART II (1970) P.791-8 (NSA
25-11507)
KEYWORDS 2 7 11 26
CATIONS M ANIONS C

611 REGAN M.C. 1961-A
HEGGER H.J.
THE PROPERTIES OF URANIUM MONOCARBIDE FABRICATED BY DIRECT
REACTION OF THE ELEMENTAL POWDERS
AFRE-R 3802 (1961) P.4 (NSA 17-1849)
KEYWORDS 2 11 13 20 30 W
CATIONS U ANIONS C

612 REGAN M.C. 1962-A
HEGGER H.J.
THE PROPERTIES OF URANIUM MONOCARBIDE FABRICATED BY DIRECT
REACTION OF THE ELEMENTAL POWDERS
PROC. 4TH PLANSER SEMINAR (1961) REUTTE/TYROL. POWDER
METALLURGY IN THE NUCLEAR AGE (1962) P.420-32 (ED.) BENESOVSKY
F. (NSA 17-1849)
KEYWORDS 2 11 13 20 30 W
CATIONS U ANIONS C

613 RESHETNIKOV F.G. 1967-A
ARTAMONOV V.V. GURVICH M.G. KUZNETSOVA V.G.
BAGROVA V.I. ALEKSEEV O.A. CHEBOTAREV N.T.
KUZIN N.I.
PREPARATION AND STUDIES OF SOME PROPERTIES OF PLUTONIUM
MONOCARBIDES
PROC. 3RD INT. CONF. ON PLUTONIUM (LONDON), PLUTONIUM 1965
(1967) P.751-67 (EDS.) KAY A.E., WALDRON M.B. (NSA 21-32960)
KEYWORDS 2 6 27
CATIONS P ANIONS C

614 RESHETNIKOV F.G. 1967-B
ARTAMONOV V.V. GURVICH M.G. KUTAITSEV V.I.
KUNFTSOVA V.G. BAGROVA V.I. ALEKSEEV O.A.
CHEBOTAREV N.T. KUZIN N.I.
PREPARATION AND STUDY OF SOME PROPERTIES OF PU MONOCARBIDE (IN
RUSSIAN)
ATOMNAYA ENERGIYA 22 (1967) P.445-50 (NSA 21-43577)
KEYWORDS 2 6 27
CATIONS P ANIONS C

RESHETNIKOV F.G. - SEE NR 483 484 485

615 RICE L.R. 1964-A
PREPARATION AND PROPERTIES OF URANIUM MONONITRIDE
TID-11295 (3RD. ED.) (1964) P.62 (NSA 18-41933)
KEYWORDS 2 20 21 27 30 W
CATIONS U ANIONS N

616 RICE L.R. 1964-B
URANIUM CARBIDES - THERMAL AND ELECTRICAL PROPERTIES
TID-11295 (3RD. ED.) (1964) P.71/74-6 (NSA 18-41933)
KEYWORDS 2 6 13 15 20 W
CATIONS U ANIONS C

617 RICE L.R. 1964-C
DEVELOPMENT OF URANIUM CARBIDE AS A NUCLEAR FUEL
TID-11295 (3RD. ED.) (1964) P.78-82 (NSA 18-41933)
KEYWORDS 2 6 11 13 W
CATIONS U ANIONS C

618 RICE L.R. 1964-D
URANIUM CARBIDE-PLUTONIUM CARBIDE
TID-11295 (3RD. ED.) (1964) P.93-4 (NSA 18-41933)
KEYWORDS 1 3 6 7
CATIONS M ANIONS C

619 RICHARDS H.K. 1971-A
THERMAL EXPANSION OF URANIUM AND TANTALUM MONOCARBIDES UP TO
2700C
NUCL. TECHNOL. 10 (1971) P.54-61 (NSA 25-52452)
KEYWORDS 2 6 7 26 27
CATIONS U ANIONS C

RILEY W.C. - SEE NR 380

620 ROAKE W.F. 1963-A
RADIATION DAMAGE IN CERAMIC NUCLEAR FUEL
RADIATION DAMAGE IN REACTOR MATERIALS (VENICE). IAEA
(STI/PUB/56A) (1963) P.187-216 (NSA 18-2365) (NSA 18-2370)
KEYWORDS 2 6 11 17 20
CATIONS U ANIONS C

621 ROBINSON L.E. 1965-A
DICKERMAN C.E. CARPLANDER R. AUGUST C.
MUELLER C.
BEHAVIOR OF URANIUM SULFIDE FAST REACTOR-TYPE FUEL SPECIMENS
UNDER TRANSIENT HEATING IN TREAT
NUCL. APPL. 1 (1965) P.168-75 (NSA 19-26909)
KEYWORDS 1 3 6 18 25 W
CATIONS U ANIONS S

ROBOFF S.B. - SEE NR 309

ROGER B. - SEE NR 231

622 ROGERS M.D. 1962-A
ADAM J.
RADIATION DAMAGE AND ITS RECOVERY IN URANIUM MONOCARBIDE AND
URANIUM MONONITRIDE
AERE-R 4046 (1962) 12P.
KEYWORDS 3 6 11 17 20
CATIONS U ANIONS C N

ROSSIGNOL D. - SEE NR 187

623 ROUGH F.A. 1957-A
PROPERTIES OF URANIUM COMPOUNDS
WASH-703 (1957) P.10-1 (NSA 14-15027)
KEYWORDS 2 6 21
CATIONS U ANIONS I

624 ROUGH F.A. 1958-A
SMITH C.A.
THE PHYSICAL PROPERTIES OF URANIUM MONOCARBIDE
NUCL. SCI. ENG. 1 (1958) P.119-20
KEYWORDS 2 6 13 W
CATIONS U ANIONS C

625 ROUGH F.A. 1959-A
CHUBB W.
MECHANICAL AND PHYSICAL PROPERTIES OF CARBIDE MATERIALS
BMI-1370 (1959) 14P. (NSA 13-21171)
KEYWORDS 2 6 13 20 27
CATIONS U ANIONS C

626 ROUGH F.A. 1960-A
DICKERSON R.F.
URANIUM MONOCARBIDE - FUEL OF THE FUTURE
NUCLEONICS 18 NO.2 (1960) P.74-7 (NSA 14-9804)
KEYWORDS 2 3 17 30 W
CATIONS U ANIONS C

627 ROUGH F.A. 1960-B
CHUBB W.
PROGRESS ON THE DEVELOPMENT OF URANIUM CARBIDE-TYPE FUELS -
PHASE II. REPORT ON THE AEC FUEL-CYCLE PROGRAM
BMI-1488 (1960) P.35-6/39 (NSA 15-7680)
KEYWORDS 2 6 7 20
CATIONS U ANIONS C

628 ROUGH F.A. 1961-A
CHUBB W.
PROGRESS ON THE DEVELOPMENT OF URANIUM CARBIDE-TYPE FUELS
BMI-1554 (1961) 58P. (NSA 16-4961)
KEYWORDS 2 3 6 11 20 27 W
CATIONS U ANIONS C

629 ROUGH F.A. 1961-B
STATUS OF IRRADIATION OF BULK URANIUM CARBIDE
TID-7614 (1961) P.117-43 (NSA 15-29718) (NSA 15-29776)
KEYWORDS 3 6 11 W
CATIONS U ANIONS C

** 220 **

630 ROUGH F.A. 1966-A
 PARDEE W.M.
 TECHNICAL ASSISTANCE ON NITRIDE FUELS, IRRADIATION EFFECTS ON SPECIFIC HEAT
 BMI-1784 (1966) P.A-19 (NSA 21-18308)
 KEYWORDS 1 3 17 21
 CATIONS U ANIONS N

ROUGH F.A. - SEE NR 165 257 577 579 674 675

631 ROUTHOURT J.L. 1971-A
 ADIABATIC ELASTIC CONSTANTS OF URANIUM MONOCARBIDE
 J. NUCL. MATER. 40 (1971) P.17-26 (NSA 25-40123)
 KEYWORDS 2 6 10 27
 CATIONS U ANIONS C

ROWE G.H. - SEE NR 308

RUCKMAN J.C. - SEE NR 157 158 160

632 RUSSELL L.E. 1963-A
 THE STRUCTURE AND PROPERTIES OF UC AND (U,PU)C ALLOYS
 NEW NUCLEAR MATERIALS INCLUDING NON-METALLIC FUELS (PRAGUE).
 IAEA (STI/PUR/77) (1963) VOL.1 P.409-28 (NSA 18-7256) (NSA 18-7259)
 KEYWORDS 2 6 11 13 27 W
 CATIONS U M ANIONS C

633 RUSSELL L.E. 1963-B
 THE STRUCTURE AND PROPERTIES OF U-C AND (U,PU)C ALLOYS
 AERE-R 4330 (1963) 26P. (NSA 18-7259)
 KEYWORDS 2 6 11 13 27 W
 CATIONS U M ANIONS C

634 RUSSELL L.E. 1965-A
 BRADBURY B.T. HEDGER H.J. PARKINSON N.
 SOWDEN R.G. WALDRON M.B.
 MONOCARBIDES AS REACTOR FUELS
 PROC. 3RD INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 11
 (1965) GENEVA P.300-9 (A/CONF.28/P/154) (NSA 18-38362)
 KEYWORDS 2 15 16 27 W
 CATIONS M ANIONS C

RUSSELL L.E. - SEE NR 260

RYMASHEVSKII G.A. - SEE NR 483 484 485

SADOFSKY J. - SEE NR 47 48

635 SAKANISHI K. 1972-A
 MATSUI H.
 ESTIMATION OF ELECTRICAL RESISTIVITY INCREASE DUE TO CARBON DEFICIENCY IN URANIUM MONOCARBIDES
 J. NUCL. SCI. TECHNOL. (TOKYO) 9 (1972) P.124-5 (NSA 26-22130)
 KEYWORDS 2 6 15 20
 CATIONS U ANIONS C

SALBREUX J.C. - SEE NR 748 749 750

636 SALGADO P.G. 1969-A
 SCHILLING F.P. BROCK G.T.
 MEASUREMENT OF PYROCARBON THERMAL CONDUCTIVITY BY THE FISSION COUPLE METHOD
 LA-4165 (1969) 16P. (NSA 23-41727)
 KEYWORDS 3 6 9 12 15 W
 CATIONS U K V ANIONS C

637 SALGADO P.G. 1971-A
 SCHILLING F.P. BROCK G.T. HOLMAN K.L.
 DETERMINATION OF PYROCARBON THERMAL CONDUCTIVITY BY THE BURST-REACTOR TECHNIQUE
 NUCL. TECHNOL. 11 (1971) P.131-43 (NSA 25-39358)
 KEYWORDS 3 6 9 11 W
 CATIONS U V ANIONS C

SALZANO F. - SEE NR 47

SALZANO F.J. - SEE NR 48

SAMSEL G. - SEE NR 182

638 SAMSONOV G.V. 1957-A
 POPOVA N.M.
 ON THE PREPARATION AND SOME PROPERTIES OF THORIUM SULFIDES (IN RUSSIAN)
 ZHUR. OBSHCHEI KHIM 27 (1957) P.3-10 (NSA 11-6290)
 KEYWORDS 2 6 26
 CATIONS T ANIONS S

SANDRENG S.W. - SEE NR 386

639 SANDENAW T.A. 1970-A
 GIRNEY R.B.
 LOW-TEMPERATURE HEAT CAPACITY OF PUC(0.81)
 PROC. 4TH INT. CONF. ON PLUTONIUM AND OTHER ACTINIDES (SANTA FE). NUCLEAR METALLURGY VOL. 17 PART I (1970) P.104-12 (NSA 25-11493)
 KEYWORDS 2 5 11 21
 CATIONS P ANIONS C

640 SANDENAW T.A. 1973-A
 GIRNEY R.B. HOLLEY C.E. JR.
 HEAT CAPACITY AND DERIVED THERMODYNAMIC FUNCTIONS OF NPC(0.91)
 FROM 15 TO 373K
 J. CHEM. THERMODYN. 5 (1973) P.41-7 (NSA 27-23826)
 KEYWORDS 2 5 21
 CATIONS X ANIONS C

** 221 **

SANDERSON M.J. - SEE NR 292

641 SANDO T. 1971-A
 IMOTO S. TANAKA K. AKIMOTO U.
 KIKUCHI T.
 RECENT WORKS AND TECHNICAL ASPECTS OF CARBIDE AND NITRIDE NUCLEAR FUELS FOR FAST BREEDER REACTOR (IN JAPANESE)
 NIPPON GENSIRYOKU GAKKAISHI 13 (1971) P.642-67 (NSA 26-41337)
 KEYWORDS 2 6 11 13 30 W
 CATIONS U P M ANIONS C N

SANO T. - SEE NR 528

SATO K. - SEE NR 518

642 SATOW T. 1967-A
 ELECTRICAL RESISTIVITY, MAGNETIC SUSCEPTIBILITY AND THERMAL EXPANSION OF THORIUM MONOCARBIDE
 J. NUCL. MATER. 21 (1967) P.343-4 (NSA 21-24841)
 KEYWORDS 2 6 7 20 27
 CATIONS T ANIONS C

SAVAGE H. - SEE NR 402 404

643 SCARRROUGH J.O. 1968-A
 DAVIS H.L. FULKERSON W. BETTERTON J.O. JR.
 SPECIFIC HEAT OF URANIUM MONONITRIDE FROM 1.3 TO 4.6K
 ORNL-4370 (1968) P.23 (NSA 23-8106) (NSA 23-8161)
 KEYWORDS 2 5 11 21
 CATIONS U ANIONS N

644 SCARRROUGH J.O. 1968-B
 DAVIS H.L. FULKERSON W. BETTERTON J.O. JR.
 SPECIFIC HEAT OF URANIUM MONONITRIDE FROM 1.3 TO 4.6K
 PHYS. REV. 176 (1968) P.661-71 (NSA 23-10281)
 KEYWORDS 2 5 11 21
 CATIONS U ANIONS N

645 SCARRROUGH J.O. 1970-A
 LOW-TEMPERATURE SPECIFIC HEAT OF UN
 ORNL-4570 (1970) P.22 (NSA 25-2601) (NSA 25-2729)
 KEYWORDS 2 5 11 21
 CATIONS U ANIONS N

SCHAEFER L. - SEE NR 318 319

SCHILLING F.P. - SEE NR 636 637

646 SCHILMOELLER N.H. 1968-A
 WHITE D.E.
 THERMAL PROPERTIES OF VIBRATORILY COMPACTED CERAMIC FUELS
 ANL-7417 (1968) P.31-3 (NSA 24-25768)
 KEYWORDS 1 2 9 12 W
 CATIONS U ANIONS O

647 SCHMIDT H.E. 1969-A
 CARBIDE FUELS FOR FAST BREEDER REACTORS. - VII. THERMAL CONDUCTIVITY (IN GERMAN)
 KFK-1111 (EUR-4315.D) (1969) P.VII/1-17 (NSA 24-17226)
 KEYWORDS 2 3 6 7 10 11 14 15 30 W
 CATIONS M ANIONS C A

648 SCHMIDT H.E. 1969-B
 CARBIDE FUELS FOR FAST BREEDER REACTORS - VII. THERMAL CONDUCTIVITY
 EURFNR-722 (EUR 4315.D) (1969) P.VII/1-21 (NSA 24-38542)
 KEYWORDS 2 3 6 7 10 11 14 15 30 W
 CATIONS M ANIONS C A

649 SCHMIDT H.E. 1970-A
 THE THERMAL CONDUCTIVITY OF CARBIDES
 EURATOM COMMUNICATION NO.2576 (1970) JNRC - KARLSRUHE ESTAB. P.27-9
 KEYWORDS 2 3 6 7 11 13 15 20 21 30 W
 CATIONS M ANIONS C A

650 SCHMIDT H.E. 1970-B
 THERMAL DIFFUSIVITY OF CARBIDES
 EURATOM COMMUNICATION NO.2664 (1970) JNRC - KARLSRUHE ESTAB. P.61
 KEYWORDS 2 6 7 11 W
 CATIONS M ANIONS C

651 SCHMIDT H.E. 1971-A
 THE THERMAL CONDUCTIVITY OF UNIRRADIATED CERAMIC NUCLEAR FUELS. SOME REMARKS CONCERNING OUR PRESENT STATE OF KNOWLEDGE (IN GERMAN)
 KFK-1400 (EUR-4577.D) (1971) P.227-45 (NSA 26-30214)
 KEYWORDS 2 3 11 15 30 W
 CATIONS U M ANIONS C

652 SCHMIDT H.E. 1971-B
 EXPERIMENTAL RESULTS CONCERNING HEAT TRANSFER BETWEEN FUEL AND CLAD (IN GERMAN)
 KFK-1400 (EUR-4577.D) (1971) P.199-218 (NSA 26-30214)
 KEYWORDS 2 3 8 30 W

653 SCHMIDT H.E. 1972-A
 THERMAL DIFFUSIVITY AND CONDUCTIVITY OF MIXED NITRIDES AND CARBONITRIDES
 EURATOM COMMUNICATION NO.2874 (1972) JNRC - KARLSRUHE ESTAB. P.55-7
 KEYWORDS 2 6 7 11 15 W
 CATIONS M ANIONS C N D

654 SCHMIDT H.E. 1973-A
 THE THERMAL DIFFUSIVITY AND THERMAL CONDUCTIVITY OF MIXED NITRIDES AND CARBONITRIDES
 EURATOM COMMUNICATION NO.3014 (1973) JNRC - KARLSRUHE ESTAB. P.41-3 (TUSR-14)
 KEYWORDS 2 6 7 11 15 W
 CATIONS M ANIONS C N D

** 222 **

** 223 **

SCHNEIDER G. - SEE NR 111

SCHONFELD F.W. - SEE NR 424 426 429

SCHUELF W. - SEE NR 230

SCHULZ P. - SEE NR 565

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CATIONS P ANIONS I

** 225 **

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CATIONS M ANIONS C

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- TAKAHASHI S. - SEE NR 415
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- TAKAHASHI Y. - SEE NR 519 526 775
- TANAKA K. - SEE NR 641
- 722 TAYLOR K.M. 1961-A
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- 724 TEREKHOV G.I. 1970-A
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MRAZEK F.
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- THACKER L.H. - SEE NR 181
- 731 THOMAS R.L. 1966-A
THERMAL CONDUCTIVITY
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- THURNAY K. - SEE NR 324
- 732 TOULOUKIAN Y.S. 1970-A
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** 232 **

** 233 **

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** 234 **

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 REV. INT. HAUTES TEMP. REFRACT. 8 (1971) P.25-30 (NSA 25-49518)
 KEYWORDS 2 6 11 16 W
 CATIONS U ANIONS O ADDITIVES MO

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 CATIONS U ANIONS O ADDITIVES MO

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 CATIONS U ANIONS O ADDITIVES SS

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ARMANTROUT C.E. - SEE NR 89

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 CATIONS U ANIONS O ADDITIVES MO

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 ISOSTATIC HOT PRESSING (IN GERMAN)
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 CATIONS U ANIONS O ADDITIVES MO CR

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18 CHAPMAN A.T. 1970-A
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 CATIONS U ANIONS O ADDITIVES MO

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 KEYWORDS 2 6 12 16 30 W
 CATIONS U ANIONS O ADDITIVES MO CR ME

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- 24 DANKO J.C. 1959-A
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 DIETRICH J.R. - SEE NR 142
 DIPPEL T. - SEE NR 28
- 29 DURAND R.F. 1954-A
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- 32 FARKAS M.S. 1967-A
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 MATERIALS WITH POTENTIAL FOR USE IN BROOKHAVEN'S PULSED FAST
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- 33 FEITH A.D. 1964-A
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 CATIONS U ANIONS O ADDITIVES CU
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 IMPROVEMENT IN THE PRODUCTION OF CERAMIC NUCLEAR FUELS (IN
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 CATIONS U ANIONS O ADDITIVES MO ME W
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- 38 FUHRMAN N. 1967-A
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 CATIONS U ANIONS O ADDITIVES NB
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- 39 FUSCHILLO N. 1970-A
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 ELECTRICAL AND TENSILE PROPERTIES OF CU-THO₂, AU-THO₂, PT-
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 CATIONS T ANIONS O ADDITIVES ME
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 CATIONS T ANIONS O ADDITIVES ME
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 CATIONS U ANIONS O ADDITIVES AL
- 42 GE APD 1966-A
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 KEYWORDS 2 6 7 11 16 W
 CATIONS U ANIONS O ADDITIVES W
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 HIGH TEMPERATURE MATERIALS PROGRAM
 GEMP-59A (1966) P.52-3 (NSA 20-33770)
 KEYWORDS 2 6 7 11 16 W
 CATIONS U ANIONS O ADDITIVES W
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 HIGH TEMPERATURE MATERIALS PROGRAM
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 CATIONS U ANIONS O ADDITIVES W
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 CATIONS U ANIONS O ADDITIVES W
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 CATIONS U ANIONS O ADDITIVES MO
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 CATIONS U ANIONS O ADDITIVES MO
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 CATIONS U ANIONS O ADDITIVES AL

** 238 **

** 239 **

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KEYWORDS 2 15 16 20 W
CATIONS U ANIONS O ADDITIVES AL

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CATIONS U K ANIONS O ADDITIVES W

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CATIONS U ANIONS O ADDITIVES MO W

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CATIONS U ANIONS O ADDITIVES MO

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CATIONS U ANIONS O ADDITIVES MO

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HOLDEN R.B. - SEE NR 38

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HOUSTON M.D. - SEE NR 108

HUSCHKA H. - SEE NR 10

HUSTON N.E. - SEE NR 35

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CATIONS U ANIONS O C ADDITIVES ME

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JOHNSTON W.D. - SEE NR 24

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KEYWORDS 2 6 11 16 27
CATIONS U ANIONS O ADDITIVES SS

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KEYWORDS 2 6 9 12 16 W
CATIONS U ANIONS O ADDITIVES MO

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MND-SF-1770 (1960) P.51-67 (NSA 14-18139)
KEYWORDS 2 6 12 16 W
CATIONS U ANIONS O ADDITIVES MO

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CATIONS U ANIONS O ADDITIVES MO

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CATIONS U ANIONS O ADDITIVES SS

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REACTOR CORE MATERIALS 4 NO.3 (1961) P.8
KEYWORDS 2 6 11 16 30 W
CATIONS U ANIONS O ADDITIVES ME

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KEYWORDS 2 6 7 16 20 27 W
CATIONS U ANIONS O ADDITIVES SS

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KEYWORDS 2 6 11 16 27
CATIONS U ANIONS O ADDITIVES MO W

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KEMPTER C.P. - SEE NR 120

KILP G.R. - SEE NR 24 25

65 KIZER D.E. 1962-A
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KEYWORDS 2 16 30 W
CATIONS U ANIONS O C N ADDITIVES ME

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CATIONS U ANIONS O ADDITIVES W

67 KIZER D.E. 1964-B
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CATIONS U ANIONS O ADDITIVES MO W

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KEYWORDS 2 6 16 20 30 W
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** - SEE NR 124 126

KLEIN D.J. - SEE NR 29

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COMPOSITION, BURNUP AND SOME PHYSICAL PROPERTIES OF CERMET FUELS
NAA-SR-MEMO-3730 (1959) 18P. (NSA 14-2729)
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES MO

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KEYWORDS 2 6 16 27
CATIONS U ANIONS O ADDITIVES MO

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LEARY J.A. - SEE NR 114

LIEBMANN B. - SEE NR 10

- ** 240 **
- LITTON F.B. - SEE NR 57
- LOZIER D.E. - SEE NR 108
- MARAMAN W.J. - SEE NR 114
- MARTIN W.J. - SEE NR 110
- 71 MCCREIGHT L.R. 1952-A
THERMAL CONDUCTIVITY DATA FOR SOME NUCLEAR FUELS
TID-10062 (1952) 19P. (NSA 12-947)
KEYWORDS 2 6 11 16 30 W
CATIONS U ANIONS O ADDITIVES ZR
- 72 MCCREIGHT L.R. 1952-B
THERMAL CONDUCTIVITY DATA FOR SOME NUCLEAR FUELS
KAPL-R22 (1952) 33P. (NSA 12-947)
KEYWORDS 2 6 11 16 30 W
CATIONS U ANIONS O ADDITIVES ZR
- 73 MCCREIGHT L.R. 1952-C
THERMAL EXPANSION MEASUREMENTS OF SIX FUEL MATERIALS
KAPL-M-LRM-7 (1952) 10P. (NSA 11-9743)
KEYWORDS 2 6 16 27
CATIONS U ANIONS O ADDITIVES ZR
- 74 MCELROY D.L. 1965-A
KOLLIF T.G. FULKERSON W. MOORE J.P.
GRAVES R.S. GODREE H.W.
PROGRESS REPORT - OAK RIDGE NATIONAL LABORATORY
PROC. 5TH CONF. ON THERMAL CONDUCTIVITY (1965) DENVER VOL.2
P.VI-ORNL/41-3
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES AL
- MCELROY D.L. - SEE NR 79 141
- MCINTEER C. - SEE NR 120
- 75 MENY L. 1962-A
RUFFET J. SAUVE C.
APPLICATION OF EXTRUSION AND SINTERING OF POWDERS FOR THE
FABRICATION OF DISPERSE FUEL ELEMENTS OF U-AL AND UO₂-SS (IN
FRENCH)
PROC. 4TH PLANSEE SEMINAR (1961) REUTTE/TYROL. POWDER
METALLURGY IN THE NUCLEAR AGE (1962) P.566-99 (ED.) BENESOVSKY
F. (NSA 17-1856)
KEYWORDS 2 6 11 16 27 W
CATIONS U ANIONS O ADDITIVES SS
- 76 MENY L. 1963-A
CHAMPIGNY M. GUYADER P.
FABRICATION AND PROPERTIES OF CYLINDRICAL AND TUBULAR
UO₂/STAINLESS STEEL FUEL ELEMENTS (IN FRENCH)
NEW NUCLEAR MATERIALS INCLUDING NON-METALLIC FUELS (PRAGUE).
IAEA (STI/PUR/77) VOL.2 (1963) P.427-65 (NSA 17-33276) (NSA
18-12566)
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES SS AL
- MILES J. - SEE NR 118
- 77 MILLER J.V. 1967-A
ESTIMATING THERMAL CONDUCTIVITY OF CERMET FUEL MATERIALS FOR
NUCLEAR REACTOR APPLICATION
NASA-TN-D-3898 (1967) 30P. (NSA 21-22911)
KEYWORDS 1 16 W
CATIONS U ANIONS O ADDITIVES W
- 78 MOORE J.P. 1966-B
THERMAL CONDUCTIVITY OF ALUMINIUM-UO₂ CERMETS
ORNL-3970 (1966) P.184 (NSA 21-13095)
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES AL
- 79 MOORE J.P. 1967-A
KOLLIF T.G. GRAVES R.S. MCELROY D.L.
THERMAL CONDUCTIVITY MEASUREMENTS ON SOLIDS BETWEEN 20 AND 150
C USING A COMPARATIVE-LONGITUDINAL APPARATUS. RESULTS ON MgO,
REO, ThO₂, Th(X)U(1-X)O(2+Y) AND AL-UO₂ CERMETS
ORNL-4121 (1967) 44P. (NSA 21-31088)
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES AL
- MOORE J.P. - SEE NR 74 141
- MUELLER N. - SEE NR 10
- MUSTACCHI C. - SEE NR 52
- 80 NAZARE S. 1970-A
ONDRACEK G.
THERMAL EXPANSION OF CERMETS
BMRW-FB K 70-01 (1970) P.631-41 (NSA 24-34947) (NSA 24-34837)
KEYWORDS 1 2 6 11 16 27
CATIONS U ANIONS O ADDITIVES SS MO CU
- 81 NAZARE S. 1970-B
ONDRACEK G. THUEMMLER F.
RELATIONS BETWEEN STEREOMETRIC MICROSTRUCTURE AND PROPERTIES
OF CERMETS AND POROUS MATERIALS
KFK-1236 (1970) 15P. (CONF-700709-1) (NSA 25-8944)
KEYWORDS 2 14 16 20 W
CATIONS U ANIONS O ADDITIVES ME
- 82 NAZARE S. 1971-A
ONDRACEK G.
PROPERTIES OF UO₂-PUO₂-STAINLESS STEEL CERMETS (IN GERMAN)
ATOMKERNENERGIE 17 (1971) P.251-4 (NSA 25-38010)
KEYWORDS 2 6 16 27 W
CATIONS U ANIONS O ADDITIVES SS
- ** 241 **
- 83 NAZARE S. 1971-B
ONDRACEK G. THUEMMLER F.
RELATIONS BETWEEN STEREOMETRIC MICROSTRUCTURE AND PROPERTIES
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HAUSNER H.H. (NSA 25-55628)
KEYWORDS 1 11 16 20 W
CATIONS U ANIONS O ADDITIVES ME
- 84 NAZARE S. 1971-C
ONDRACEK G.
PROPERTIES OF UO₂/PUO₂ STEEL CERMETS
EURFNR-957 (1971) P.34-43 (NSA 25-29931) (NSA 26-20689)
KEYWORDS 2 6 16 27 W
CATIONS U ANIONS O ADDITIVES SS
- 85 NAZARE S. 1971-D
ONDRACEK G.
PROPERTIES OF UO₂-PUO₂-STAINLESS STEEL-CERMETS (IN GERMAN)
KFK-1459 (1971) 4P. (PART III) (NSA 25-38010) (NSA 25-29931)
KEYWORDS 2 6 16 27 W
CATIONS U ANIONS O ADDITIVES SS
- 86 NAZARE S. 1972-A
ONDRACEK G. THUEMMLER F.
DIMENSIONAL AND MICROSTRUCTURAL ANALYSIS OF COEXTRUDED UO₂-
STAINLESS STEEL CERMET PINS (PROPERTIES OF UO₂-STAINLESS STEEL
CERMETS)
POWDER MET. 15 (1972) P.314-31 (KFK-1677) (NSA 27-9935)
KEYWORDS 2 6 11 15 16 23 27 W
CATIONS U ANIONS O ADDITIVES SS
- NEUMANN O. - SEE NR 10
- NEWSOM D.L. - SEE NR 20
- NIKOLOPOULOS P. - SEE NR 14
- 87 NORIN M.P. 1960-A
THERMAL CONDUCTIVITY OF SWAGED METAL FIBER-URANIUM DIOXIDE
FUEL ELEMENT
TRANS. AMER. NUCL. SOC. 3 (1960) P.142-3
KEYWORDS 2 6 12 16 W
CATIONS U ANIONS O ADDITIVES MO
- 88 NUMEC 1965-A
DATA PACKAGE FOR NUMEC'S IRRADIATION TESTING PROGRAM. CAPSULES
NU-17, NU-18, AND NU-19. APPENDIX C - HEAT TRANSFER
CALCULATIONS
NUMEC-3432-7 (1965) P.C-1/8 (NSA 19-25050)
KEYWORDS 1 3 6 7 11 16 29 W
CATIONS M ANIONS O ADDITIVES W
- NYKIEL F.R. - SEE NR 29
- 89 O HARE S.A. 1966-A
ARMANTROUT C.E.
SELECTED PROPERTIES OF THORIUM WITH LOW THORIA ADDITIONS
USRM-RC-1245 (1966) P.8 (NSA 20-41462)
KEYWORDS 2 6 16 20
CATIONS T ANIONS O ADDITIVES ME
- 90 OGAWA S.Y. 1964-A
CALCULATIONS PERFORMED TO ESTIMATE OPERATION TEMPERATURES OF
CERMET FUELS USED IN SPECIAL ASSEMBLY 9-L
GEAP-4435 (1964) P.38-46 (NSA 18-34086)
KEYWORDS 1 3 6 7 11 16 29 W
CATIONS U ANIONS O ADDITIVES MO
- OGAWA S.Y. - SEE NR 55
- 91 ONDRACEK G. 1969-A
SCHULZ B. THUEMMLER F.
MEASUREMENT OF THE THERMAL CONDUCTIVITY OF CERMETS WITH THE
RADIAL FLOW METHOD (IN GERMAN)
HIGH TEMP. - HIGH PRESSURES 1 (1969) P.439-47 (NSA 24-34944)
KEYWORDS 2 6 11 16 W
CATIONS U ANIONS O ADDITIVES W
- 92 ONDRACEK G. 1970-A
SCHULZ B.
THE ELECTRICAL CONDUCTIVITY OF CERMETS
REV. INT. HAUTES TEMP. REFRACT. 7 (1970) P.397-401 (NSA 25-
45608)
KEYWORDS 2 6 11 14 16 20
CATIONS U ANIONS O ADDITIVES MO CR
- 93 ONDRACEK G. 1970-B
SCHULZ B.
THE ELECTRICAL CONDUCTIVITY OF CERMETS
PROC. 2ND EUROPEAN CONF. ON THERMOPHYSICAL PROPERTIES OF
SOLIDS AT HIGH TEMPERATURES (SALFORD). REV. INT. HAUTES TEMP.
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25-45605)
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CATIONS U ANIONS O ADDITIVES MO CR
- 94 ONDRACEK G. 1970-C
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THE CONDUCTIVITY OF CERMETS (IN GERMAN)
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KEYWORDS 2 14 16 20 W
CATIONS U ANIONS O ADDITIVES ME
- 95 ONDRACEK G. 1971-A
SCHULZ B.
THE CONDUCTIVITY OF CERMETS AND OTHER MULTIPHASE MATERIALS (IN
GERMAN)
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KEYWORDS 1 2 16 20

** 242 **

** 243 **

ONDRACEK G. - SEE NR 46 47 80 81 82 83 84
 " - SEE NR 85 86 122

96 PAPROCKI S.J. 1958-A
 KELLER D.L. CUNNINGHAM G.W. KIZER D.E.
 FABRICATION OF CERMET FUEL ELEMENTS
 BMI-1259 (1958) P.28-30 (NSA 13-2175)
 KEYWORDS 2 6 11 16 20
 CATIONS U ANIONS O ADDITIVES SS

97 PAPROCKI S.J. 1958-B
 KELLER D.L. CUNNINGHAM G.W. KIZER D.E.
 DEVELOPMENT OF CERMET FUEL ELEMENTS
 BMI-1282 (1958) P.16P. (NSA 12-17107)
 KEYWORDS 2 6 11 16 20
 CATIONS U ANIONS O ADDITIVES SS

98 PAPROCKI S.J. 1959-A
 KELLER D.L. FACKELMANN J.M.
 PROPERTIES OF URANIUM DIOXIDE-STAINLESS STEEL DISPERSION FUEL
 PLATES
 BMI-1339 (1959) P.19-22 (NSA 13-15344)
 KEYWORDS 2 6 11 16 27
 CATIONS U ANIONS O ADDITIVES SS

99 PAPROCKI S.J. 1959-B
 KELLER D.L. CUNNINGHAM G.W. KIZER D.E.
 FABRICATION OF CERMET FUEL ELEMENTS
 BMI-1377 (1959) P.41-3 (NSA 14-16492)
 KEYWORDS 2 6 11 16
 CATIONS U ANIONS O ADDITIVES SS MO

100 PAPROCKI S.J. 1960-A
 KELLER D.L. CUNNINGHAM G.W. KIZER D.E.
 FABRICATION OF CERMET FUEL ELEMENTS
 BMI-1403 (1960) P.47-9 (NSA 14-15005)
 KEYWORDS 2 6 11 16 27
 CATIONS U ANIONS O ADDITIVES SS MO

101 PAPROCKI S.J. 1960-B
 KELLER D.L. CUNNINGHAM G.W. KIZER D.E.
 PREPARATION AND PROPERTIES OF UO2 CERMET FUELS
 BMI-1487 (1960) P.39-64 (NSA 15-7758)
 KEYWORDS 2 6 11 16 W
 CATIONS U ANIONS O ADDITIVES SS NB MO

102 PAPROCKI S.J. 1960-C
 KELLER D.L. HODGE E.S. BOYER C.B.
 FOX J.R. KIZER D.E. POREMBKA S.W.
 THERMAL CONDUCTIVITY
 BMI-1475 (1960) P.42-7 (NSA 15-5339)
 KEYWORDS 2 6 9 11 15 W
 CATIONS U ANIONS O ADDITIVES SS

103 PAPROCKI S.J. 1960-D
 KELLER D.L. CUNNINGHAM G.W. KIZER D.E.
 FABRICATION OF CERMET FUEL ELEMENTS
 BMI-1430 (1960) P.2-2 (NSA 15-17241)
 KEYWORDS 2 6 11 16 W
 CATIONS U ANIONS O ADDITIVES SS

104 PAPROCKI S.J. 1961-A
 KELLER D.L. KIZER D.E.
 FABRICATION OF CERMET FUEL ELEMENTS
 BMI-1541 (1961) P.21-2 (NSA 16-17966)
 KEYWORDS 2 6 11 16
 CATIONS U ANIONS N ADDITIVES CR

105 PAPROCKI S.J. 1962-A
 KELLER D.L. KIZER D.E.
 FABRICATION OF CERMET FUEL ELEMENTS
 BMI-1581 (1962) P.2-1 (NSA 16-28642)
 KEYWORDS 2 6 11 16
 CATIONS U ANIONS C ADDITIVES MO

106 PAPROCKI S.J. 1962-B
 KELLER D.L. KIZER D.E.
 FABRICATION OF CERMET FUEL ELEMENTS
 BMI-1589 (1962) P.2-1/D-2 (NSA 17-2)
 KEYWORDS 2 6 7 11 16 27
 CATIONS U ANIONS C ADDITIVES MO

107 PAPROCKI S.J. 1963-A
 STOLTZ D.L. KIZER D.E. KELLER D.L.
 FABRICATION OF CERMET FUEL ELEMENTS
 BMI-1630 (1963) P.2-1/4 (NSA 17-26944)
 KEYWORDS 2 6 11 16 W
 CATIONS U ANIONS O ADDITIVES MO W

PAPROCKI S.J. - SEE NR 22

108 PARDUE W.M. 1968-A
 SMITH R.A. HOUSTON M.D. LOZIER D.E.
 BROWN W.F. POBERESKIN M.
 SUMMARY REPORT ON DEVELOPMENT PROGRAM FOR FABRICATION OF
 COMPOSITE FUEL FORM OF 238PUO2. TASK 5. - PROPERTIES
 MEASUREMENTS OF THE COMPOSITE AND PERFORMANCE EVALUATION
 BMI-1849 (1968) P.85-99 (NSA 24-46766)
 KEYWORDS 2 6 7 11 14 16 27
 CATIONS P ANIONS O ADDITIVES MO

109 PARKER G.W. 1965-A
 WILHELM J.G.
 MELTING POINTS OF MIXTURES OF OXIDIZED FUEL CLADDING WITH UO2
 ORNL-3776 (1965) P.37-40 (NSA 19-22989) (NSA 19-22995)
 KEYWORDS 2 7 16 26
 CATIONS U ANIONS O ADDITIVES ZR SS

110 PARKER G.W. 1965-B
 PARTON C.J. CREEK G.E. WILHELM J.G.
 MARTIN W.J.
 MELTING POINTS OF MIXTURES OF OXIDIZED FUEL CLADDING WITH UO2
 ORNL-3789 (1965) P.261-2 (NSA 19-31478) (NSA 19-30066)
 KEYWORDS 2 7 16 26
 CATIONS U ANIONS O ADDITIVES ME

111 PETZOW G. 1968-A
 CLAUSSEN N. EXNER H.E.
 STRUCTURE AND PROPERTIES OF CERMETS (IN GERMAN)
 Z. METALLK. 59 (1968) P.170-9 (NSA 22-23894)
 KEYWORDS 2 6 11 16 20 30 W
 CATIONS U ANIONS O ADDITIVES ME

112 PETZOW G. 1968-B
 CLAUSSEN N. EXNER H.E.
 STRUCTURE AND PROPERTIES OF CERMETS
 ANL-TRANS-735 (1968) 28P. (NSA 23-22648)
 KEYWORDS 2 6 11 16 20 30 W
 CATIONS U ANIONS O ADDITIVES ME

POBERESKIN M. - SEE NR 108

POLIN F. - SEE NR 4 6

113 POLITIS C. 1971-A
 THUEMMLER F. WEDEMEYER H.
 STUDY OF THE SYSTEMS UN-MO AND UN-W AT HIGH TEMPERATURES (IN
 GERMAN)
 J. NUCL. MATER. 38 (1971) P.132-42 (NSA 25-16607)
 KEYWORDS 2 6 7 11 16 26
 CATIONS U ANIONS N ADDITIVES MO

POREMBKA S.W. - SEE NR 102

POWELL R.W. - SEE NR 134

114 PRITCHARD W.C. 1961-A
 JOHNSON K.A. LEARY J.A. MARAMAN W.J.
 COMPACTION AND SINTERING OF PUO2-MO POWDER MIXTURES
 LA-2671 (1961) P.34-6 (NSA 16-3474)
 KEYWORDS 2 7 11 16 20
 CATIONS P ANIONS O ADDITIVES MO

PROTTI A.M. - SEE NR 3 5

PUECHL K.H. - SEE NR 118

115 RAUCH W.G. 1954-A
 URANIA-ZIRCONIUM CERMETS
 ANL-5268 (1954) P.8 (NSA 8-6457)
 KEYWORDS 2 6 11 16 W
 CATIONS U ANIONS O ADDITIVES ZR

116 RIDDLE J.R. 1959-A
 THERMAL EXPANSION DATA ON AL-U3O8 CERMETS
 ORNL-2839 (1959) P.295-8 (NSA 14-8676)
 KEYWORDS 2 6 11 16 27
 CATIONS U ANIONS O ADDITIVES AL

117 RIDDLE J.R. 1961-A
 THERMAL EXPANSION OF STAINLESS STEEL-UO2 COMPACT
 ORNL-3160 (1961) P.129-30 (NSA 15-29716)
 KEYWORDS 2 6 11 12 16 27
 CATIONS U ANIONS O ADDITIVES SS

RILEY R.E. - SEE NR 120

118 ROSS W.J. 1966-A
 CALDWELL C.S. PUECHL K.H. MILES J.
 SHIPKO F.
 POSTIRRADIATION EXAMINATION OF 20 WT O/O PUO2-UO2 FUELS
 TRANS. AMER. NUCL. SOC. 9 (1966) P.411-2 (NSA 21-8155)
 KEYWORDS 3 4 6 7 16 23 24
 CATIONS M ANIONS O ADDITIVES W

119 ROWLEY J.C. 1970-A
 LAWTON R.G. SAUNDERS C.R.
 ELASTIC MODULI AND THERMAL EXPANSION OF HIGH-POROSITY MO-UO2
 CERMETS
 70 C 53-ED (1970) P.12-7 (CONF-701039) (NSA 26-15610)
 KEYWORDS 2 6 11 14 15 16 27
 CATIONS U ANIONS O ADDITIVES MO

120 ROWLEY J.C. 1971-A
 SAUNDERS C.R. MCINTEER C. KEMPTER C.P.
 RILEY R.F.
 ELASTIC MODULI AND THERMAL EXPANSION OF POROUS MOLYBDENUM-
 URANIUM CERMETS
 LA-4825 (1971) 17P. (NSA 26-15576)
 KEYWORDS 2 6 7 16 27
 CATIONS U ANIONS O ADDITIVES MO

SAUNDERS C.R. - SEE NR 119 120

SAUVE C. - SEE NR 75

121 SCHMIDT H.E. 1971-A
 THERMAL CONDUCTIVITY OF AL-UO2 COMPACTS
 EURATOM COMMUNICATION NO.2750 (1971) JNRC - KARLSRUHE ESTAB.
 P.134-7
 KEYWORDS 2 6 11 16
 CATIONS U ANIONS O ADDITIVES AL

SCHMIDT H.E. - SEE NR 41

122 SCHULZ B. 1970-A
 THUEMMLER F. ONDRACEK G.
 MEASUREMENT OF THE THERMAL CONDUCTIVITY OF CERMETS WITH THE
 RADIAL FLOW METHOD
 BMW-FB K 70-01 (1970) P.136-44 (NSA 24-34944)
 KEYWORDS 2 6 11 16 W
 CATIONS U ANIONS O ADDITIVES SS W

** 244 **

** 245 **

SCHULZ B. - SEE NR 91 92 93 94 95

SHIPKO F. - SEE NR 118

SIEMMANS W. - SEE NR 28

SMALLEY A.K. - SEE NR 17

123 SMITH R.A. 1963-A
STOLTZ D.L. KIZER D.E. KELLER D.L.
FABRICATION OF CERMET FUEL ELEMENTS
BMI-1655 (1963) P.D-1/2 (NSA 18-15664)
KEYWORDS 2 6 11 16 20 W
CATIONS U ANIONS O ADDITIVES W

124 SMITH P.A. 1964-A
STOLTZ D.L. KIZER D.E. KELLER D.L.
FABRICATION OF CERMET FUEL ELEMENTS
RMI-1661 (1964) P.D-1/D-2 (NSA 18-20450)
KEYWORDS 2 6 11 16 27
CATIONS U ANIONS O ADDITIVES W

125 SMITH R.A. 1969-A
CERMETS (OVER 50 VOL O/O CERAMIC PHASE)
REACTOR MATER. 12 (1969) P.79 (NSA 23-45989) (NSA 23-45988)
KEYWORDS 2 6 16 30 W
CATIONS U ANIONS O ADDITIVES W

SMITH R.A. - SEE NR 108

126 SPEIDEL F.O. 1968-A
KIZER D.F. KELLER D.L.
PREPARATION AND PROPERTIES OF UO₂, UN, AND UC CERMET FUELS
PMI-1842 (1968) P.30-70 (NSA 22-36524)
KEYWORDS 2 6 11 16 20 27 W
CATIONS U ANIONS O ADDITIVES MO CR W

STEELE R.M. - SEE NR 50

127 STOLTZ D.L. 1967-A
FUEL AND FERTILE MATERIALS - DISPERSION FUELS
REACTOR MATERIALS 9 (1967) P.207-8 (NSA 21-20466)
KEYWORDS 2 6 7 11 16 30 W
CATIONS U ANIONS O ADDITIVES W

STOLTZ D.L. - SEE NR 63 64 107 123 124

STONE D.H. - SEE NR 17

128 STOOBS R.F. 1964-A
HALLER M.W.
A NUCLEAR FUEL CONSISTING OF VERY SMALL UNIFORMLY DISPERSED UC PARTICLES IN A URANIUM MATRIX
NCS-2081-9 (EURAC-1412) (1964) P.14-5/33 (NSA 19-39127)
KEYWORDS 2 6 9 16 20 W
CATIONS U ANIONS C ADDITIVES U

129 STORA J.P. 1972-A
ABOUT THERMAL CONDUCTIVITY OF TWO PHASE SOLID BODIES
COMPTRE RENDU NO. 10-72 CEA-GRENOBLE (1972) 15P.
KEYWORDS 1 2 6 7 16 20 W
CATIONS U ANIONS O ADDITIVES FE ME NI

130 STORA J.P. 1973-A
THERMAL CONDUCTIVITY OF TWO-PHASE SOLID BODIES
NUCL. TECHNOL. 17 (1973) P.225-33 (NSA 27-15176)
KEYWORDS 1 2 6 7 16 20 W
CATIONS U ANIONS O ADDITIVES FE ME NI

STORA J.P. - SEE NR 36 37

131 STORHOK V.W. 1967-A
PLUTONIUM - PLUTONIUM METAL AND ALLOYS
REACTOR MATERIALS 9 (1966-67) P.206 (NSA 21-20465) (NSA 21-20466)
KEYWORDS 2 6 15 16 30 W
CATIONS U ANIONS O ADDITIVES W

132 SUNDQUIST L. 1959-A
SWAGED METAL FIBER-UO₂ FUEL ELEMENTS
MND-SF-1714 (1959) P.21-7 (NSA 14-3787)
KEYWORDS 2 6 9 12 16 W
CATIONS U ANIONS O ADDITIVES MO

133 SWAMY C.S. 1970-A
WEIMAR P.
ELECTRIC CONDUCTIVITY OF CERMETS WITH IDEALIZED STRUCTURE BETWEEN ROOM TEMPERATURE AND 1000C
POWDER MET. INT. 2 (1970) P.134-8
KEYWORDS 2 6 7 11 16 20
CATIONS U ANIONS O ADDITIVES MO

THOMAS G.L. - SEE NR 24

THUEMMLER F. - SEE NR 13 14 28 46 81 83 86
** - SEE NR 91 94 113 122 138 139 140

134 TOULOUKIAN Y.S. 1970-A
POWELL R.W. HO C.Y. KLEMENS P.G.
THERMAL CONDUCTIVITY - NONMETALLIC SOLIDS
THERMOPHYSICAL PROPERTIES OF MATTER. THE TPRC DATA SERIES
VOL.2 (1970) (PUB.) IFI/PLENUM N.Y. WASH.
KEYWORDS 2 6 7 11 16 30 W
CATIONS U ANIONS C ADDITIVES MO CR ME

135 TUMMALA R.R. 1969-A
FRIEDBERG A.L.
THERMAL EXPANSION OF CERMETS CONTAINING URANIUM DIOXIDE
J. NUCL. MATER. 32 (1969) P.354-6 (NSA 23-46132)
KEYWORDS 2 6 11 16 27
CATIONS U ANIONS O ADDITIVES SS

136 UCHIDA M. 1971-A
ICHIKAWA M.
ANISOTROPIC THERMAL EXPANSION OF URANIUM-REFRACTORY METAL-CARBIDES - UWC2 AND UMOC2
J. NUCL. SCI. TECHNOL. (TOKYO) 8 (1971) P.651-3 (NSA 26-12742)
KEYWORDS 2 6 16 27
CATIONS U ANIONS C ADDITIVES MO W

137 UHLMANN W. 1961-A
RADIATION EFFECTS ON SOLID URANIUM - BASED NUCLEAR FUEL MATERIALS
VDIT - 16.1 (1961) 73P. (NSA 15-16141)
KEYWORDS 3 4 16 17 30
CATIONS U ANIONS O ADDITIVES ME

WATERMAN T.E. - SEE NR 48

WEDEMEYER H. - SEE NR 113

138 WEIMAR P. 1969-A
THUEMMLER F. BUMM H.
UO₂-CERMETS WITH IDEALIZED STRUCTURE BY PARTICLE COATING AND ISOSTATIC HOT PRESSING
J. NUCL. MATER. 31 (1969) P.215-25 (NSA 23-30186)
KEYWORDS 2 6 11 16 20 W
CATIONS U ANIONS O ADDITIVES MO

139 WEIMAR P. 1969-B
THUEMMLER F.
PREPARATION AND PROPERTIES OF CERMETS WITH IDEALIZED STRUCTURE IN THE SYSTEM UO₂-CR (IN GERMAN)
KFK-1112 (1969) 21P. (NSA 24-19497)
KEYWORDS 2 6 11 16 20 27 W
CATIONS U ANIONS O ADDITIVES CR

140 WEIMAR P. 1969-C
THUEMMLER F.
PRODUCTION AND PROPERTIES OF CERMETS WITH IDEALIZED STRUCTURE IN THE SYSTEM UO₂/CR
EURFNR-740 (1969) 24P. (NSA 24-36967)
KEYWORDS 2 6 11 16 20 27 W
CATIONS U ANIONS O ADDITIVES CR

WEIMAR P. - SEE NR 13 14 15 16 26 27 28
** - SEE NR 133

WILHELM J.G. - SEE NR 109 110

WILLIAMSON H.E. - SEE NR 55

141 WOODALL N.D. 1967-A
MOORE J.P. MCELROY D.L.
PHYSICAL PROPERTIES OF TUNGSTEN AND TUNGSTEN ALLOYS
ORNL-4170 (1967) P.91 (NSA 22-8685)
KEYWORDS 2 5 6 11 16 20
CATIONS T ANIONS O ADDITIVES W

142 ZINN W.H. 1965-A
DIETRICH J.R.
FUEL ELEMENTS - FABRICATION OF VARIOUS FUEL ASSEMBLIES
POWER REACTOR TECHNOLOGY 8 NO.2 (1965) P.128-31 (NSA 19-35796)
(NSA 19-35737)
KEYWORDS 2 3 11 16 30 W
CATIONS U V ANIONS O ADDITIVES NB MO

B I B L I O G R A P H Y ** METALLIC FUELS - UPDATED SEPT 1973 **

2 ABGRALL J. 1963-A
 PARTHELEMY P. BOUCHER R.
 STUDY OF URANIUM - 20 WT PER CENT PLUTONIUM-NIOBIUM ALLOYS (IN FRENCH)
 CEA-2300 (1963) P.17 (NSA 17-41422)
 KEYWORDS 2 6 15 27
 CATIONS U ADDITIVES NB

3 ABRAMSON R. 1958-A
 ROUCHER R. FABRE R. MONTI H.
 SOME PROPERTIES OF PLUTONIUM AND ALUMINIUM-PLUTONIUM ALLOY
 PROC. 2ND INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 6 (1958) GENEVA P.174-83 (A/CONF.15/P/327) (NSA 14-1798) (NSA 13-6784)
 KEYWORDS 2 6 27
 CATIONS P ADDITIVES AL

4 ABRAMSON R. 1959-A
 ROUCHER R. FABRE R. MONTI H.
 SOME PROPERTIES OF PLUTONIUM AND PLUTONIUM-ALUMINIUM ALLOY (IN FRENCH)
 CEA-1155 (1959) P.2-13 (NSA 13-6784)
 KEYWORDS 2 6 16
 CATIONS U P ADDITIVES AL

5 ABRAMSON R. 1961-A
 A DILATOMETRIC STUDY OF PLUTONIUM
 THE METAL PLUTONIUM (1961) P.123-32 (EDS.) COFFINBERRY A.S., MINER W.N. (NSA 17-16562) (NSA 17-16550)
 KEYWORDS 2 6 27
 CATIONS P

6 ACCARY A. 1961-A
 PHYSICAL AND MECHANICAL PROPERTIES OF THORIUM (IN FRENCH)
 GENIE ATOMIQUE TOME 4 VOL.1 (1961) P.A2-IVB (3-6) (NSA 16-16036)
 KEYWORDS 20 21 27 W
 CATIONS T

7 ACCARY A. 1961-B
 PHYSICAL AND MECHANICAL PROPERTIES OF PLUTONIUM (IN FRENCH)
 GENIE ATOMIQUE TOME 4 VOL.1 (1961) P.A2-IVA (6-10) (NSA 16-16036)
 KEYWORDS 2 5 6 20 27
 CATIONS P

8 ACCARY A. 1965-A
 THE METALLURGY OF THORIUM (IN FRENCH)
 GENIE ATOMIQUE TOME 4 VOL.1 (1965) P.A1-III 265-289
 KEYWORDS 2 6 20 22 27 W
 CATIONS T

9 ACCOMAZZO M.A. 1963-A
 MILLER J.
 HEAT TRANSFER ACROSS THE FUEL-CLAD INTERFACE IN SHRINK FIT HYDRIDE-STAINLESS STEEL FUEL ELEMENTS
 NAA-SR-MEMO-9184 (1963) 18P. (NSA 18-13253)
 KEYWORDS 1 2 3 6 8 16 W
 CATIONS U ADDITIVES H

10 ACKERMANN R.J. 1972-A
 RAUH E.G.
 DETERMINATION OF LIQUIDUS CURVES FOR THE TH-W, TH-TA, ZR-W, AND HF-W SYSTEMS - THE ANOMALOUS BEHAVIOR OF METALLIC THORIUM
 HIGH TEMP. SCI. 4 (1972) P.272-82 (NSA 27-2954)
 KEYWORDS 2 7 26
 CATIONS T V ADDITIVES ME W

ADAMS E.T. - SEE NR 49

ADAMS R.E. - SEE NR 518 519

11 ADAMS R.M. 1964-A
 GLASSNER A.
 GENERAL FAST REACTOR FUEL DEVELOPMENT. METALLIC FUELS (THERMAL PROPERTIES)
 ANL-6880 (1964) P.15-6 (NSA 18-24952) (NSA 18-24812)
 KEYWORDS 2 6 21 W
 CATIONS M ADDITIVES FS

12 ADAMS R.M. 1965-A
 GLASSNER A.
 GENERAL FAST REACTOR FUEL DEVELOPMENT. METALLIC FUELS
 ANL-7017 (1965) P.29 (NSA 19-29468)
 KEYWORDS 2 6 27
 CATIONS M

13 ADAMS R.M. 1965-B
 GLASSNER A.
 THERMAL CONDUCTIVITY OF IRRADIATED METALLIC FUEL AS A FUNCTION OF BURNUP
 ANL-7045 (1965) P.33-4 (NSA 19-35605)
 KEYWORDS 4 W
 CATIONS M ADDITIVES FS

14 ADAMS R.M. 1965-C
 GLASSNER A.
 THERMAL CONDUCTIVITY OF IRRADIATED FUEL AS A FUNCTION OF BURNUP AND TEMPERATURE
 ANL-7046 (1965) P.52-3 (NSA 19-40112)
 KEYWORDS 4 6 15 W
 CATIONS U ADDITIVES ZR FS

15 ADAMS R.M. 1966-A
 GLASSNER A.
 GENERAL FAST REACTOR FUEL DEVELOPMENT. U-PU-ZR FUEL (THERMAL CONDUCTIVITY)
 ANL-7193 (1966) P.21 (NSA 20-26394)
 KEYWORDS 2 6 W
 CATIONS M ADDITIVES ZR

16 ADAMS R.M. 1966-B
 WEBER M.
 PROPERTIES OF ZERO-POWER U=PU BASE ALLOYS
 ANL-7204 (1966) P.23 (NSA 20-30790) (NSA 20-30789)
 KEYWORDS 2 6 27
 CATIONS M ADDITIVES MO

17 ADAMS R.M. 1966-C
 WEBER M.
 THERMAL CONDUCTIVITY OF IRRADIATED FUEL AS A FUNCTION OF BURNUP AND TEMPERATURE
 ANL-7204 (1966) P.54-9 (NSA 20-30791)
 KEYWORDS 4 6 W
 CATIONS U ADDITIVES FS

18 ADAMS R.M. 1966-D
 GLASSNER A.
 GENERAL FAST REACTOR FUEL DEVELOPMENT. METAL FUELS (THERMAL CONDUCTIVITY)
 ANL-7230 (1966) P.10 (NSA 20-42577)
 KEYWORDS 2 6 W
 CATIONS M ADDITIVES ZR TI

19 ADAMS R.M. 1966-E
 GLASSNER A.
 FUEL FOR ZERO-POWER REACTORS
 ANL-7230 (1966) P.22-3 (NSA 20-42577)
 KEYWORDS 2 6 27
 CATIONS M ADDITIVES MO

20 ADAMS R.M. 1966-F
 GLASSNER A.
 NONDESTRUCTIVE TESTING OF AARR COMPONENTS
 ANL-7267 (1966) P.70 (NSA 21-12231)
 KEYWORDS 2 6 W
 CATIONS U ADDITIVES ME

21 ADAMS R.M. 1966-G
 GLASSNER A.
 THERMAL CONDUCTIVITY IN AARR FUEL PLATES
 ANL-7279 (1966) P.72-4 (NSA 21-13946)
 KEYWORDS 2 6 W
 CATIONS U ADDITIVES ME

22 ADAMS R.M. 1966-H
 GLASSNER A.
 HEAT CONTENT OF U-15 W/O PU-6.5 W/O TI ALLOY
 ANL-7245 (1966) P.32 (NSA 20-42578) (NSA 20-42579)
 KEYWORDS 2 6 21
 CATIONS M ADDITIVES TI ME

23 AFFORTIT C. 1967-A
 SPECIFIC HEAT MEASUREMENTS ON METALS UP TO THEIR MELTING POINT (IN FRENCH)
 CEA-R-3287 (THESIS) (1967) 63P. (NSA 22-4766)
 KEYWORDS 2 7 9 18 21
 CATIONS U

ALBEE R.T. - SEE NR 665

24 ALFRED A.T. 1964-A
 MEASUREMENT OF THERMOELECTRIC POWER
 ANL-6868 (1964) P.319-22 (NSA 18-25970) (NSA 18-25981)
 KEYWORDS 2 6 20
 CATIONS U ADDITIVES ME

25 ALLENDOERFER A. 1950-A
 DETERMINATION OF THE MELTING POINT OF URANIUM (IN GERMAN)
 Z. NATURFORSCH. (A) 5 (1950) P.234-5 (NSA 4-4870)
 KEYWORDS 2 7 26
 CATIONS U

26 AMBROSE C.J. 1964-A
 TAYLOR R.E. FINCH R.A.
 THERMOPHYSICAL PROPERTIES OF ZIRCONIUM-URANIUM HYDRIDE
 PROC. 4TH CONF. ON THERMAL CONDUCTIVITY (1964) SAN FRANCISCO
 P.VI-A-1/VI-A-21 (NSA 21-6878)
 KEYWORDS 2 6 15 21 W
 CATIONS U ADDITIVES H ZR

AMBROSE C.J. - SEE NR 485 486

ANDERSON E.E. - SEE NR 34

27 ANDERSON J.W. 1965-A
 GILMORE R.R.
 MEASUREMENT OF ALPHA PHASE PLUTONIUM IN PLUTONIUM - 1 W/O GALLIUM ALLOY BY ELECTRICAL RESISTIVITY
 LA-3332 (1965) 27P. (NSA 20-35890)
 KEYWORDS 2 6 20
 CATIONS P ADDITIVES GA

28 ANDERSON R.L. 1970-A
 GROTZKY D.H. KIENZLE W.E.
 THERMAL DIFFUSIVITY OF HIGH PURITY THORIUM
 PROC. 9TH CONF. ON THERMAL CONDUCTIVITY (1970) AMES P.326-35 (CONF-691002) (NSA 24-19415) (NSA 24-19410)
 KEYWORDS 2 5 6 20 W
 CATIONS T

29 ANDRES K. 1968-A
 THERMAL EXPANSION OF ALPHA URANIUM BELOW 10K
 PHYS. REV. 170 (1968) P.614-7 (NSA 22-31947)
 KEYWORDS 2 5 27
 CATIONS U

30 ANDREW J.F. 1967-A
 THERMAL CONDUCTIVITY OF PLUTONIUM METAL
 J. PHYS. CHEM. SOLIDS 28 (1967) P.577-80 (LA-DC-8166) (NSA 21-34905)
 KEYWORDS 2 5 W
 CATIONS P

** 248 **

31 ANDREW J.F. 1969-A
THERMAL CONDUCTIVITY OF SOME DELTA-PLUTONIUM ALLOYS
J. NUCL. MATER. 30 (1969) P.343-5 (NSA 23-22554)
KEYWORDS 2 6 16 20 W
CATIONS P ADDITIVES GA CE

32 APDA 1959-A
ENPICO FERMI ATOMIC POWER PLANT
APDA-124 (1959) P.225-9 (NSA 13-14054)
KEYWORDS 2 6 20 21 26 W
CATIONS U ADDITIVES MO

33 ARAJS S. 1964-A
COLVIN R.V.
ELECTRICAL RESISTIVITY OF ALPHA-URANIUM FROM 2 TO 300K
J. LESS-COMMON METALS 7 (1964) P.54-66 (NSA 18-34164)
KEYWORDS 2 5 20
CATIONS U

34 ARAJS S. 1970-A
FLORA R.H. ANDERSON E.E.
ELECTRICAL RESISTIVITY AND THERMOELECTRIC POWER OF
POLYCRYSTALLINE URANIUM AT ELEVATED TEMPERATURES
J. NUCL. MATER. 37 (1970) P.89-95 (NSA 24-51821)
KEYWORDS 2 6 20
CATIONS U

ARAJS S. - SEE NR 142

35 ARGONNF NAT. LAB. 1960-A
THERMAL PROPERTIES OF URANIUM-FISSIUM ALLOYS
ANL-6295 (1960) P.47-8 (NSA 15-10369)
KEYWORDS 2 3 6 21
CATIONS U ADDITIVES FS

36 ARGONNE NAT. LAB. 1961-A
PROPERTIES OF URANIUM-FISSIUM ALLOYS
ANL-6387 (1961) P.51 (NSA 15-25621)
KEYWORDS 2 6 21
CATIONS U ADDITIVES FS

37 ARGONNE NAT. LAB. 1964-A
THERMAL CONDUCTIVITY OF A U-10 W/O PU ALLOY
ANL-6923 (1964) P.19 (NSA 18-44925) (NSA 18-44923)
KEYWORDS 2 6 W
CATIONS M

38 ARGONNE NAT. LAB. 1964-B
PROPERTIES OF THORIUM-PLUTONIUM ALLOYS
ANL-6923 (1964) P.58-9 (NSA 18-44926) (NSA 18-44923)
KEYWORDS 2 5 20
CATIONS O

39 ARKO A.J. 1972-A
PRODSKY M.R. NELLIS W.J.
SPIN FLUCTUATIONS IN PLUTONIUM AND OTHER ACTINIDE METALS AND
COMPOUNDS
PHYS. REV. B, 5 (1972) P.4564-9 (NSA 26-32723)
KEYWORDS 2 5 20
CATIONS P

40 ARONIN L.R. 1962-A
PLUTONIUM AND ITS ALLOYS
NUCLEAR REACTOR FUEL ELEMENTS, METALLURGY AND FABRICATION
(1962) P.109-15 (NSA 16-16658) (NSA 16-16654)
KEYWORDS 2 6 17 27
CATIONS P

41 ASKEY D.F. 1970-A
PLUTONIUM METAL AND ALLOYS
REACTOR MATERIALS 12 (1969-1970) P.228-30 (NSA 24-2976) (NSA
24-2873)
KEYWORDS 2 5 6 16 30 W
CATIONS P ADDITIVES GA CE

ATKINS D.F. - SEE NR 554 555

42 ATWOOD J.M. 1959-A
SNYDER W.A.
PLUTONIUM-ALUMINIUM FUEL DEVELOPMENT - PHYSICAL AND MECHANICAL
PROPERTIES
HW-62000 (1959) P.31-3 (NSA 14-20044)
KEYWORDS 2 6 16 27
CATIONS P ADDITIVES AL SI

43 AUBERT H. 1964-A
LANIESTE J.
LOW-CONTENT URANIUM ALLOYS FOR NUCLEAR FUELS (IN FRENCH)
CEA-R-2584 (1964) P.13-4 (NSA 19-16063)
KEYWORDS 2 6 15 W
CATIONS U ADDITIVES MO CR FE

AUBERT H. - SEE NR 379

AUSTIN A.E. - SEE NR 704

44 AVIVI E. 1964-A
STUDIES OF PLUTONIUM-IRON ALLOYS AND URANIUM-PLUTONIUM-IRON
ALLOYS (IN FRENCH)
CEA-R 2444 (THESES) (1964) 64P.
KEYWORDS 2 6 27
CATIONS P M ADDITIVES FE

AYER J.E. - SEE NR 350

45 BADAeva T.A. 1971-A
KUZNETSOVA R.I.
SOLIDUS AND LIQUIDUS OF THE U-ZR-NB SYSTEM (IN RUSSIAN)
IZV. AKADEM. NAUK SSSR, METAL. 2 (1971) P.188-90 (NSA 25-37971)
KEYWORDS 2 7 26
CATIONS U ADDITIVES ZR NB

** 249 **

BADAeva T.A. - SEE NR 306 307

46 BAGLEY K.Q. 1953-A
OLIVIER D.S.
THE EFFECT OF FISSION PRODUCT ACCUMULATION ON THE PHYSICAL
CONDITION OF FAST REACTOR FUEL ELEMENTS
RDR(C)TN-48 (1953) P.11-2 (FRDC/P-41) (NSA 13-10568)
KEYWORDS 1 2 5 6 27
CATIONS P

47 BAGLEY K.Q. 1957-A
PLUTONIUM - AND ITS ALLOYS
NUCLEAR ENGINEERING 2 (1957) P.461-8 (NSA 12-2847)
KEYWORDS 2 20 21 27
CATIONS P ADDITIVES AL ME CE

48 BAGLEY K.Q. 1960-A
PLUTONIUM
MATERIALS FOR NUCLEAR ENGINEERS (1960) P.69-76 (EDS.) MCINTOSH
A.R., HEAL A.T., (NSA 15-11480) (NSA 15-11478)
KEYWORDS 2 20 27 30
CATIONS P

BAGROV G.N. - SEE NR 304 305

BAIRD J. - SEE NR 319

49 BALL J.G. 1954-A
ROBERTSON J.A.L. MARDON P.G. LEE J.A.
ADAMS E.T.
SOME PHYSICAL PROPERTIES OF METALLIC PLUTONIUM
NATURE 173 NO.4403 (1954) P.535 (NSA 10-7755)
KEYWORDS 2 5 6 27
CATIONS P

50 BALL J.G. 1958-A
LORD W.B.H.
A HISTORY OF THE EARLY BRITISH WORK ON PLUTONIUM METALLURGY
J. INST. METALS 86 (1958) P.369-79 (NSA 12-9099)
KEYWORDS 2 6 27
CATIONS P

51 BALL J.G. 1960-A
LEE J.A. MARDON P.G. ROBERTSON J.A.L.
DETERMINATION OF SOME PHYSICAL PROPERTIES OF PLUTONIUM METAL
(IN FRENCH)
MEM. SCI. REV. MET. 57 (1960) P.49-56 (NSA 14-16014)
KEYWORDS 2 6 20 21 27 W
CATIONS P

BALL J.G. - SEE NR 432

52 BALLAGNY A. 1969-A
STUDY OF PLUTONIUM-SCANDIUM ALLOYS FOR THEIR APPLICATION IN
THE MICROGENERATORS OF ENERGY (IN FRENCH)
CEA-R-3880 (THESES, UNIV. OF PARIS, FACULTE DES SCIENCES)
(1969) 60P. (NSA 24-4764)
KEYWORDS 2 20 27
CATIONS P ADDITIVES ME

53 BALLAGNY A. 1970-A
ROUCHER R. CARRARD C.
STUDY OF THE PLUTONIUM-SCANDIUM SYSTEM (DIAGRAM AND
PROPERTIES) (IN FRENCH)
CEA-CONF-1631 (1970) 11P. (CONF-701001-10) (NSA 25-681)
KEYWORDS 2 6 15 27
CATIONS P ADDITIVES MF

54 BALLAGNY A. 1970-R
ROUCHER R. CARRARD C.
THE PU-SC SYSTEM - DIAGRAM AND PROPERTIES
PROC. 4TH INT. CONF. ON PLUTONIUM AND OTHER ACTINIDES (SANTA
FE), NUCLEAR METALLURGY VOL. 17 PART II (1970) P.699-706 (NSA
25-1440)
KEYWORDS 2 6 15 27
CATIONS P ADDITIVES ME

55 BALZ G. 1947-A
ELECTRICAL BEHAVIOR AND ALLOTROPY OF URANIUM (IN GERMAN)
METALLFORSCHUNG 2 (1947) P.144-6
KEYWORDS 2 6 20
CATIONS U

56 BARNARD R.D. 1961-A
SOME PHYSICAL PROPERTIES OF THE GAMMA AND DELTA PHASES IN THE
U-ZR SYSTEM
PROC. PHYS. SOC. (LONDON) 78 (1961) P.722-7 (NSA 16-4579)
KEYWORDS 2 5 6 20
CATIONS U ADDITIVES ME

BARNARD R.D. - SEE NR 60 61

BARRETT C.S. - SEE NR 419

57 BARTHELEMY P. 1965-A
ROUCHER R.
STUDY OF U-PU-FE ALLOYS (MASURCA CRITICAL EXPERIMENT) (IN
FRENCH)
CEA-R 2792 (1965) P.13/18-9 (EUR-2449.F) (NSA 19-46992)
KEYWORDS 2 6 20 27 W
CATIONS M ADDITIVES FE

BARTHELEMY P. - SEE NR 2 102

58 BATES J.C. 1953-A
A COMPARISON OF THE THERMAL CONDUCTIVITY OF IRRADIATED AND
UNIRRADIATED URANIUM
RDB(I)/TN-78 (1953) 13P. (NSA 12-1805)
KEYWORDS 2 3 6 W
CATIONS U

** 250 **

** 251 **

- 59 BATES L.F. 1958-A
LOASBY R.G.
MAGNETIC SUSCEPTIBILITY AND ELECTRICAL RESISTANCE PROPERTIES OF SOME URANIUM ALLOYS
PROC. PHYS. SOC. (LONDON) 72 (1958) P.757-64 (NSA 13-1522)
KEYWORDS 2 5 20
CATIONS U
ADDITIVES ZR NB MO
- 60 BATES L.F. 1961-A
BARNARD R.D.
THE ELECTRICAL RESISTIVITIES AND MAGNETIC SUSCEPTIBILITIES OF SOME STABLE AND METASTABLE URANIUM-MOLYBDENUM ALLOYS
PROC. PHYS. SOC. 77 (1961) P.691-9 (NSA 15-16119)
KEYWORDS 2 6 20
CATIONS U
ADDITIVES MO
- 61 BATES L.F. 1961-B
BARNARD R.D.
THE ELECTRICAL AND MAGNETIC PROPERTIES OF THE URANIUM-NIOBIUM SYSTEM
PROC. PHYS. SOC. (LONDON) 78 (1961) P.361-9 (NSA 15-32581)
KEYWORDS 1 2 5 6 20
CATIONS U
ADDITIVES NB
- 62 BATES L.F. 1965-A
UNSTAD P.B.
ELECTRICAL AND MAGNETIC PROPERTIES OF PALLADIUM THORIUM ALLOYS
PROC. INT. CONF. ON MAGNETISM (LONDON) (1965) (EDS.) THE INSTITUTE OF PHYSICS AND THE PHYSICAL SOC. (NSA 19-38046)
KEYWORDS 2 5 6 20
CATIONS T
ADDITIVES ME
- 63 BAUER A.A. 1958-A
KASS S. GOLDMAN K.M.
PHYSICAL METALLURGY AND PROPERTIES OF ZIRCONIUM-URANIUM ALLOYS
PROC. 2ND INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 5 (1958) GENEVA P.602-9 (A/CONF.15/P/1785) (NSA 12-14835)
KEYWORDS 2 6 20 W
CATIONS U
ADDITIVES ZR
- 64 BAUER A.A. 1963-A
FARKAS M.S. STORHOK V.W.
THE EFFECT OF NUCLEAR RADIATION ON METALLIC FUEL MATERIALS
REIC-20 (1963) 143P. (NSA 17-41500)
KEYWORDS 2 4 6 W
CATIONS U
ADDITIVES MO
- BAUER A.A. - SEE NR 179 180 482 570 636
- RAYBARZ R.D. - SEE NR 233
- REAL MONOD M.T. - SEE NR 324
- 65 BECK W.N. 1965-A
KITTEL J.H. FOUSEK R.J.
IRRADIATIONS OF U-20PU-10FS ALLOY FUEL RODS
ANL-4750 (1965) P.10-1 (NSA 19-26876)
KEYWORDS 2 6 W
CATIONS M
ADDITIVES FS
- 66 BECK W.N. 1969-A
FOUSEK R.J.
FISSION-GAS RELEASE AND THERMAL CONDUCTIVITY MEASUREMENTS ON U-5 WT O/D FS IRRADIATED IN CP-5
TRANS. AMER. NUCL. SOC. 12 (1969) P.78-9 (NSA 23-36164)
KEYWORDS 3 6 16 24 W
CATIONS U
ADDITIVES FS
- 67 BECK W.N. 1969-B
ELECTRICAL RESISTIVITY MEASUREMENTS OF AGC AND ANL FUEL
ANL-7632 (1969) P.89-91 (NSA 24-9077)
KEYWORDS 2 5 6 20
CATIONS U
ADDITIVES FS
- BECK W.N. - SEE NR 341 350
- 68 BECKER M. 1959-A
FUEL ELEMENTS FOR GAS-COOLED REACTORS
ATOMKERNENERGIE 4 (1959) P.244-7 (NSA 13-17321)
KEYWORDS 2 6 30 W
CATIONS U
- 69 BELL I.P. 1954-A
YAKIN S.M.
FAST REACTOR - PHYSICAL PROPERTIES OF MATERIALS OF CONSTRUCTION. REVIEW OF PROGRESS FROM SEPT. 1, 1953 TO APRIL 1, 1954
RDR(CITN-70 (1954) 17P. (NSA 9-1266)
KEYWORDS 2 27 W
CATIONS U
- 70 BELL I.P. 1956-A
PARKER N.S.
PHYSICAL PROPERTIES OF MATERIALS OF CONSTRUCTION FOR REACTORS. A REVIEW OF PROGRESS TO 3.10.55
IGR-TN/C-278 (1956) 14P.
KEYWORDS 2 6 11 13 20 W
CATIONS U
- 71 BELL I.P. 1957-A
THORIUM - ITS PROPERTIES AND CHARACTERISTICS
NUCLEAR ENGINEERING 2 (1957) P.418-22 (NSA 12-1429)
KEYWORDS 2 20 21 27
CATIONS T
- 72 BELL I.P. 1960-A
THORIUM (APPENDIX 4A)
MATERIALS FOR NUCLEAR ENGINEERS (1960) P.130-1 (EDS.) MCINTOSH A.B., HEAL T.J., (NSA 15-11481) (NSA 15-11478)
KEYWORDS 2 6 20 21 27 30 W
CATIONS T
- 73 BENDER D. 1949-A
ON THE ELECTRIC PROPERTIES OF THORIUM (IN GERMAN)
Z. METALLK. 40 (1949) P.257-60 (NSA 4-3974)
KEYWORDS 2 6 20
CATIONS T
- 74 BENSON E.M. 1958-A
PLUTONIUM PHASE DIAGRAM STUDIES
ANL-5837 (1958) P.65-6 (NSA 13-19215)
KEYWORDS 2 6 27
CATIONS U P
ADDITIVES ZR
- 75 BENTLE G.G. 1958-A
A PHYSICAL METALLURGICAL STUDY OF THORIUM-RICH, THORIUM-URANIUM ALLOYS
NAA-SR-2069 (1958) P.18-24 (NSA 12-4830)
KEYWORDS 2 6 15 20 27 W
CATIONS V
- 76 BERGER H. 1968-A
THERMAL CONDUCTIVITY OF IRRADIATED MARK-IA FUEL
ANL-7419 (1968) P.56-7 (NSA 22-22653)
KEYWORDS 3 16 W
CATIONS M
ADDITIVES FS
- 77 BERLINCOURT T.G. 1956-A
ELECTRONIC STRUCTURE OF THORIUM, URANIUM AND PLUTONIUM
NAA-SR-1637 (1956) P.7-24 (NSA 10-9390)
KEYWORDS 1 20
CATIONS U P T
- 78 BERLINCOURT T.G. 1957-A
HALL COEFFICIENT, RESISTIVITY, AND SUPERCONDUCTIVITY OF THE METASTABLE GAMMA PHASE IN URANIUM-BASE, MOLYBDENUM ALLOYS
NAA-SR-2042 (1957) P.8-12 (NSA 12-3722)
KEYWORDS 2 5 16 20
CATIONS U
ADDITIVES MO
- 79 BERLINCOURT T.G. 1958-A
ELECTRONIC STRUCTURE OF THORIUM METAL
THE METAL THORIUM (1958) P.148-60 (ED.) WILHELM H.A. (NSA 13-3064)
KEYWORDS 1 20
CATIONS T
- 80 BERLINCOURT T.G. 1959-A
HALL EFFECT, RESISTIVITY AND SUPERCONDUCTIVITY OF SOME METASTABLE URANIUM-RICH ALLOYS
J. PHYS. CHEM. SOLIDS 11 (1959) P.12-7 (NSA 6-6375)
KEYWORDS 2 5 20
CATIONS U
ADDITIVES NB MO
- 81 BERLINCOURT T.G. 1959-B
HALL EFFECT, RESISTIVITY, AND MAGNETORESISTIVITY OF TH, U, ZR, AND NB
PHYS. REV. 114 (1959) P.969-77 (NSA 13-18349)
KEYWORDS 2 6 20
CATIONS U T
- 82 BERNARD J. 1961-A
ROUDOURESQUES B.
PHYSICAL AND MECHANICAL PROPERTIES OF URANIUM (IN FRENCH)
GENIE ATOMIQUE TOME 4 VOL.1 (1961) P.A2-III (2-5) (NSA 16-16036)
KEYWORDS 2 6 21 26 27 30 W
CATIONS U
- 83 BERNARD J. 1965-A
ROUDOURESQUES B.
PHYSICAL AND MECHANICAL PROPERTIES OF URANIUM (IN FRENCH)
GENIE ATOMIQUE TOME 4 VOL.1 (1965) P.A1-I-1 (13-20)
KEYWORDS 2 21 27 30 W
CATIONS U
- 84 BERNDT A.F. 1964-A
THE EFFECT OF SELF-IRRADIATION ON THE LATTICE CONSTANTS OF ALLOYS OF PLUTONIUM IN ALPHA-URANIUM
J. NUCL. MATER. 13 (1964) P.263-4 (NSA 19-14103)
KEYWORDS 2 6 17 27
CATIONS M
- BERTHAUT C. - SEE NR 536
- REZNOSIKOVA A.V. - SEE NR 127 128 129 669
- 85 BILLINGTON D.S. 1955-A
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KEYWORDS 4 6 17 20
CATIONS U
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KEYWORDS 3 4 17 20 W
CATIONS U
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KEYWORDS 4 6 17 20
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PROC. 2ND INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 6
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CATIONS U ADDITIVES MO
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- BLUMENTHAL B. - SEE NR 339 342
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KEYWORDS 2 6 27
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KEYWORDS 2 6 20
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- 98 ROSTROM W.A. 1955-A
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KEYWORDS 2 6 15 27 W
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CATIONS M ADDITIVES ZR NB MO
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CATIONS M ADDITIVES FE
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URANIUM
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KEYWORDS 2 5 20
CATIONS U
- BRODSKY M.B. - SEE NR 39 290 350 490

** 254 **

** 255 **

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- 117 BROUT R.H. 1957-A
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APDA-118 (1957) P.11 (NSA 12-4567)
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CATIONS U
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- 118 BUDDERY J.H. 1962-A
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KEYWORDS 4 7 26
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CATIONS T
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- BURNS M.P. - SEE NR 291
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CATIONS U
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KEYWORDS 2 5 W
CATIONS T ADDITIVES ME
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- 123 CASAGPANDI I. 1959-A
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- CASTLEMAN L.S. - SEE NR 146
- 124 CHAMPEO FERRER A. 1972-A
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CATIONS U ADDITIVES ME
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KEYWORDS 2 5 6 27
CATIONS P
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KEYWORDS 2 5 6 27
CATIONS P
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KEYWORDS 2 5 6 27
CATIONS P
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KEYWORDS 1 2 6 23 27
CATIONS U P X
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KEYWORDS 1 2 6 23 27
CATIONS U P X
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CATIONS T
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KEYWORDS 2 6 20 30 W
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KEYWORDS 2 6 15 30
CATIONS U ADDITIVES ZR
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KEYWORDS 2 6 27 30
CATIONS V
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CATIONS T
- 138 CHURR W. 1960-B
THORIUM
REACTOR CORE MATERIALS 3 NO.3 (1960) P.16-8 (NSA 15-1770)
KEYWORDS 2 6 20 21 30
CATIONS T
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KEYWORDS 2 6 27
CATIONS P
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CATIONS P M ADDITIVES AL FS

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 KEYWORDS 2 5 20
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 KEYWORDS 2 6 8 27 W
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 GIPNEY R.B.
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 CATIONS T ADDITIVES CE
- COOPLIN R. - SEE NR 324
- CORPUCCINI R.J. - SEE NR 260 261
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 J. NUCL. MATER. 2 (1960) P.75-80 (NSA 14-14097)
 KEYWORDS 2 5 20
 CATIONS U P
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 DETERMINATION OF THE THERMOELECTRIC POWER OF URANIUM AND
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 KEYWORDS 2 5 20
 CATIONS U P
- COTIGNOLA J.M. - SEE NR 427
- 150 CRAMER E.V. 1961-A
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- CRAWFORD J.H. JR. - SEE NR 86
- CRITCHLEY J.K. - SEE NR 521 522
- CROACH J.W. - SEE NR 653
- CROTHERS C.C. - SEE NR 341
- 151 CUBICCIOTTI D.C. 1953-A
 HAMILTON G.
 VOLATILIZATION OF PLUTONIUM FROM MOLTEN URANIUM
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 KEYWORDS 2 6 26
 CATIONS U
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 KEYWORDS 2 7 26
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 WALLMANN J.C.
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 AED-CONF.1963-062-4 (1963) P.3-4 (CONF-72-4) (NSA 17-35678)
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- 154 D EYE R.W.M. 1949-A
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 THE FREEZING POINT OF URANIUM
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 KEYWORDS 2 6 W
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 KEYWORDS 2 6 W
 CATIONS T
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 KEYWORDS 2 6 W
 CATIONS U
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 THERMAL DIFFUSIVITY AND THERMAL CONDUCTIVITY
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 KEYWORDS 2 6 W
 CATIONS U
- 162 DANIELSON G.C. 1954-A
 THERMAL CONDUCTIVITY (K) OF URANIUM
 ISC-533 (1954) P.11 (NSA 9-1994)
 KEYWORDS 2 6 W
 CATIONS U
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 THERMAL PROPERTIES OF METALS
 ISC-761 (1956) P.7-12 (NSA 11-1877)
 KEYWORDS 2 6 20 W
 CATIONS T
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 THERMAL PROPERTIES OF METALS AT HIGH TEMPERATURES
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 CATIONS U
- 165 DANIELSON G.C. 1956-C
 THERMAL PROPERTIES OF METALS AT HIGH TEMPERATURES
 ISC-709 (1956) P.20-2 (NSA 10-4930)
 KEYWORDS 2 6 W
 CATIONS U
- 166 DANIELSON G.C. 1959-A
 SPECIFIC HEAT AND ELECTRICAL RESISTIVITY OF THORIUM
 IS-14 (1959) P.25-7 (NSA 14-5666)
 KEYWORDS 2 6 20 21
 CATIONS T
- 167 DANIELSON G.C. 1959-B
 SIDLES P.H. WALLACE D.C.
 SPECIFIC HEAT OF THORIUM
 ISC-1144 (1959) P.20-3 (NSA 13-15350)
 KEYWORDS 2 6 21
 CATIONS T
- DANIELSON G.C. - SEE NR 513 598 600 609 611 629 630
 ** - SEE NR 631
- DAVEY P.O. - SEE NR 513
- DAVIDSON J.A.C. - SEE NR 521 522
- 168 DEAN D.J. 1958-A
 KAY A.E. LOASBY R.G.
 NOTE ON THE SPECIFIC HEAT OF PLUTONIUM METAL
 J. INST. METALS 86 (1958) P.464 (NSA 12-13860)
 KEYWORDS 2 5 6 21
 CATIONS P

** 258 **

** 259 **

169 DEAN D.J. 1961-A
KAY A.E.
THE SPECIFIC HEAT OF ALPHA-PLUTONIUM
THE METAL PLUTONIUM (1961) P.183-9 (EDS.) COFFINBERRY A.S.,
MINER W.N. (NSA 17-16564) (NSA 17-16550)
KEYWORDS 2 5 6 21
CATIONS P

DEAN D.J. - SEE NR 660

170 DEEM H. 1952-A
NELSON H.
THERMAL CONDUCTIVITY OF POWDER METALLURGY URANIUM
RMI-745 (1952) 15P. (NSA 10-3161)
KEYWORDS 2 6 12 W
CATIONS U

171 DEEM H.W. 1953-A
THERMAL CONDUCTIVITY OF ZIRCONIUM AND ZIRCONIUM-TIN ALLOYS
BMI-849 (1953) 9P. (NSA 10-3366)
KEYWORDS 2 6 9 W
CATIONS U
ADDITIVES ZR FE ME

172 DEEM H.W. 1954-A
WINN R.A. LUCKS C.F.
THERMAL CONDUCTIVITY AND LINEAR EXPANSION OF THE EUTECTIC
URANIUM-CHROMIUM ALLOY
RMI-900 (1954) 16P. (NSA 10-2716)
KEYWORDS 2 6 27 W
CATIONS U
ADDITIVES CR

173 DEEM H.W. 1955-A
POBERESKIN M. LUSK E.C. LUCKS C.F.
CALKINS G.D.
EFFECT OF RADIATION ON THE THERMAL CONDUCTIVITY OF URANIUM-1%
W/O ZIRCONIUM
RMI-986 (1955) 20P. (NSA 11-12622)
KEYWORDS 4 6 17 W
CATIONS U
ADDITIVES ZR

174 DEEM H.W. 1955-B
WINN R.A.
THE ELECTRICAL RESISTIVITY OF THORIUM THROUGH THE ALLOTROPIC
TRANSITION
RMI-1092 (1955) 10P. (NSA 10-1369)
KEYWORDS 3 6 20
CATIONS T

175 DEEM H.W. 1957-A
LUCKS C.F.
THERMAL CONDUCTIVITY OF URANIUM
RMI-1182 (1957) P.7-8 (NSA 14-21879)
KEYWORDS 2 6 16 W
CATIONS U
ADDITIVES ZR

175 DEEM H.W. 1959-A
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THERMAL CONDUCTIVITY OF URANIUM AND UO2
RMI-1315 (1959) P.7-9 (NSA 13-16197) (NSA 13-16970)
KEYWORDS 2 6 11 W
CATIONS U

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177 DEL GROSSO A. 1957-A
LEESER D.O.
THE APDA IRRADIATION TEST PROGRAM ON SELECTED URANIUM FUEL
ALLOYS, JUNE 1954 - JUNE 1957
APDA-122 (1957) P.42-3/52 (NSA 13-4214)
KEYWORDS 4 6 W
CATIONS U
ADDITIVES MO

178 DEL GROSSO A. 1957-B
COMPILATION OF URANIUM-10 W/O MOLYBDENUM FUELS ALLOY
PROPERTIES
AECU-7679 (1957) P.1-7 (NSA 12-9172)
KEYWORDS 4 6 30 W
CATIONS U
ADDITIVES MO

79 DEMASTRY J.A. 1960-A
EPSTEIN S.G. BAUER A.A. DICKERSON R.F.
DEVELOPMENT OF NIOBIUM-URANIUM ALLOYS
RMI-1442 (REV.) (1960) P.8-1/5 (NSA 14-19311)
KEYWORDS 2 6 16 20
CATIONS U
ADDITIVES NB

80 DEMASTRY J.A. 1961-A
MOAK D.P. EPSTEIN S.G. BAUER A.A.
DICKERSON R.F.
DEVELOPMENT OF NIOBIUM - URANIUM ALLOYS FOR ELEVATED-
TEMPERATURE FUEL APPLICATIONS. PHYSICAL PROPERTY
DETERMINATIONS
RMI-1536 (1961) P.52-7 (NSA 15-26535)
KEYWORDS 2 6 20 W
CATIONS U
ADDITIVES NB

1 DEMASTRY J.A. 1962-A
NIOBIUM - 10 W/O URANIUM ALLOY, NIOBIUM - 20 W/O URANIUM ALLOY
BMI-1598 (1962) P.8-19 (ED.) ENDEBROCK R.W. (NSA 17-5575)
KEYWORDS 2 6 20 26 27 30 W
CATIONS U
ADDITIVES NB

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GORDON J.E. ROMER R.H.
HYPERFINE SPECIFIC HEAT OF URANIUM METAL
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KEYWORDS 2 5 21
CATIONS U

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SOME INVESTIGATIONS ON PLUTONIUM METAL
J. INST. METALS 86 (1958) P.379-84 (NSA 12-9100)
KEYWORDS 2 6 21
CATIONS P

184 DENTON W.H. 1947-A
LOW-TEMPERATURE ELECTRICAL RESISTIVITY OF URANIUM AND
BERYLLIUM
AERE-GR-101 (1947) 24P. (NSA 19-20543)
KEYWORDS 2 5 20
CATIONS U

185 DEVERALL J.E. 1958-A
THE THERMAL CONDUCTIVITY OF A MOLTEN PU-FE EUTECTIC (9.5 A/O
FE)
LA-2269 (1958) 59P. (NSA 13-10028)
KEYWORDS 2 6 26 W
CATIONS U P
ADDITIVES FE

DEWITT D.P. - SEE NR 674

186 DI NOVI R.A. 1965-A
MEASUREMENT OF THERMAL CONDUCTIVITY OF IRRADIATED METALLIC
FUEL AS A FUNCTION OF BURNUP AND TEMPERATURE
ANL-7155 (1965) P.166 (NSA 21-11190) (NSA 21-11189)
KEYWORDS 4 9 15 16 W
CATIONS U
ADDITIVES FS

187 DI NOVI R.A. 1967-A
MEASUREMENT OF THERMAL CONDUCTIVITY OF IRRADIATED FUEL AS A
FUNCTION OF BURNUP AND TEMPERATURE
ANL-7299 (1967) P.188-90 (NSA 22-43519) (NSA 22-42994)
KEYWORDS 4 9 16 W
CATIONS U
ADDITIVES FS

188 DI NOVI R.A. 1967-B
POSTIRRADIATION THERMAL PROPERTIES OF A URANIUM-FISSIUM ALLOY
AS A FUNCTION OF BURNUP
TRANS. AMER. NUCL. SOC. 10 (1967) P.476-7 (NSA 22-4826)
KEYWORDS 3 4 6 16 W
CATIONS U
ADDITIVES FS

189 DI NOVI R.A. 1968-A
MEASUREMENT OF THERMAL CONDUCTIVITY OF IRRADIATED FUEL AS A
FUNCTION OF BURNUP AND TEMPERATURE
ANL-7417 (1968) P.45-6 (NSA 24-25229) (NSA 24-25631)
KEYWORDS 4 9 W
CATIONS U
ADDITIVES FS

190 DI NOVI R.A. 1972-A
EFFECT OF BURNUP, SWELLING, AND IRRADIATION TEMPERATURE ON
THERMAL DIFFUSIVITY AND CONDUCTIVITY OF URANIUM-FISSIUM ALLOY
ANL-7889 (1972) 18P. (NSA 26-36615)
KEYWORDS 3 4 16 W
CATIONS U
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191 DICKERSON R.F. 1956-A
DANIEL N.E.
PROPERTIES OF FISSIUM ALLOYS
BMI-1094 (1956) P.40-2 (NSA 11-12473)
KEYWORDS 2 6 W
CATIONS U
ADDITIVES FS

192 DICKERSON R.F. 1961-A
DILUTE URANIUM ALLOYS - NIOBIUM-URANIUM
REACTOR CORE MATERIALS 4 NO.1 (1961) P.8
KEYWORDS 2 6 15 W
CATIONS U
ADDITIVES NB ME

DICKERSON R.F. - SEE NR 179 180 482 566 570 636

193 DIRIAN J. 1958-A
CHOQUET J.
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PROPERTIES (IN FRENCH)
CEA-796 1ST PART (1958) P.30-6 (NSA 13-4436)
KEYWORDS 20 21 27 30
CATIONS P

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DOOLEY G.J. - SEE NR 133

DOUGLAS D.A. JR. - SEE NR 518 519

194 DRIGGS F.H. 1930-A
LILLIENDAHL W.C.
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CATIONS U

195 DROHER J.J. 1954-A
DOMINGO F.A.
THERMAL CONDUCTIVITY OF URANIUM
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KEYWORDS 2 6 W
CATIONS U

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JOHNSON K.L.
THERMAL CONDUCTIVITY OF URANIUM
NAA-SR-956 (1954) P.71-4 (NSA 11-8687)
KEYWORDS 2 6 W
CATIONS U

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JOHNSON K.L.
THERMAL CONDUCTIVITY OF URANIUM
NAA-SR-1027 (1954) P.20/23-4 (NSA 11-8688)
KEYWORDS 2 6 W
CATIONS U

** 260 **

** 261 **

DUBROVIN K.P. - SEE NR 357 358 364

198 DUNWORTH R.J. 1956-A
KELMAN L.R.
EXPANSION COEFFICIENTS OF SOME PLUTONIUM ALLOYS
ANL-5563 (1956) P.38 (NSA 11-11689)
KEYWORDS 2 6 27
CATIONS P ADDITIVES AL FS

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GILBERT E.R. SAVAGE H. KELMAN L.R.
PROPERTIES OF URANIUM-PLUTONIUM-FIZZIUM
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ANL-6677 (1963) P.9-11 (NSA 17-41333)
KEYWORDS 2 6 16 27 W
CATIONS M ADDITIVES FS

200 DUNWORTH R.J. 1964-A
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RHUDE H.V.
PROPERTIES OF URANIUM-PLUTONIUM-FIZZIUM ALLOYS
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KEYWORDS 2 6 21 26 27 W
CATIONS M ADDITIVES FS

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THERMAL CONDUCTIVITY
ANL-7000 (1965) P.4-5 (NSA 19-44586) (NSA 19-44587)
KEYWORDS 2 6 16 W
CATIONS M ADDITIVES FS

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THERMAL CONDUCTIVITY OF U-PU-ZR AND U-PU-TI ALLOYS
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KEYWORDS 2 6 15 16 W
CATIONS M ADDITIVES ZR TI

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203 EBERT H. 1947-A
SCHULZE A.
ON THE ELECTRICAL AND THERMAL PROPERTIES OF URANIUM (IN GERMAN)
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KEYWORDS 2 6 20 27 W
CATIONS U

204 EDWARDS A.L. 1969-A
A COMPILATION OF THERMAL PROPERTY DATA FOR COMPUTER HEAT-CONDUCTION CALCULATIONS
UCRL-50589 (1969) 78P. (NSA 23-26444)
KEYWORDS 2 6 29 30 W
CATIONS U P T

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EICHENBERG J.D. - SEE NR 88

FICKENBERRY H.V. - SEE NR 564

ELDRIDGE F. - SEE NR 239

205 ELDRIDGE F.A. 1957-A
DEEM H.W. GERDS A.F.
PHYSICAL PROPERTIES
RMI-1223 (1957) P.14-19 (NSA 12-220)
KEYWORDS 2 6 16 27 W
CATIONS U ADDITIVES AL

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ELGIN D.J.C. - SEE NR 624

206 ELLINGER F.H. 1956-A
CRYSTAL STRUCTURE OF DELTA-PRIME PLUTONIUM AND THE THERMAL EXPANSION CHARACTERISTICS OF DELTA, DELTA-PRIME, AND EPSILON PLUTONIUM
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KEYWORDS 2 6 27
CATIONS P

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ELLIOTT R. - SEE NR 293

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TATE R.E.
A DETERMINATION OF THE COEFFICIENT OF THERMAL EXPANSION OF ALPHA PLUTONIUM
LA-1390 (1952) 19P. (NSA 11-12413) (NSA 11-1523)
KEYWORDS 2 5 6 27
CATIONS P

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MINER W.N.
AN AUTOGRAPHIC STRAIN-GAGE DILATOMETER FOR PLUTONIUM AND ITS ALLOYS
LA-2175 (1952) 24P. (NSA 12-5959)
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CATIONS P

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PROC. 2ND INT. CONF. ON PLUTONIUM (GRENOBLE), PLUTONIUM 1960 (1961) P.142-55 (EDS.) GRISON E., LORD W.B.H., FOWLER R.D., (NSA 16-4464)
KEYWORDS 2 6 16 27
CATIONS P

210 ELLIOTT R.O. 1961-B
LARSON A.C.
DELTA-PRIME PLUTONIUM
THE METAL PLUTONIUM (1961) P.265-80 (LADC-3767) (EDS.)
COFFINBERRY A.S., MINER W.N., (NSA 17-3535) (NSA 17-16550)
KEYWORDS 2 6 27
CATIONS P

211 ELLIOTT R.O. 1962-A
OLSEN C.E. LOUIE J.
ELECTRICAL BEHAVIOR BELOW 300K ON PLUTONIUM-RICH, DELTA-PHASE SOLID SOLUTION ALLOYS CONTAINING CERIUM, ALUMINIUM AND ZINC
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KEYWORDS 2 5 20
CATIONS P ADDITIVES AL ME CE

212 ELLIOTT R.O. 1963-A
OLSEN C.E. VINEYARD G.H.
SELF-IRRADIATION AND ANNEALING OF PLUTONIUM AND PLUTONIUM-ALUMINIUM ALLOYS
ACTA MET. 11 (1963) P.1129-38 (LADC-5682) (NSA 17-39680)
KEYWORDS 2 5 6 17 20
CATIONS P

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OLSEN C.E. BRONISZ S.E.
EFFECT OF PREFERRED ORIENTATION ON THE ELECTRICAL RESISTIVITY OF ALPHA PLUTONIUM AT LOW TEMPERATURES
PHYS. REV. LETTERS 12 (1964) P.276-8 (NSA 18-14516)
KEYWORDS 2 5 20
CATIONS P

214 ELLIOTT R.O. 1964-B
OLSEN C.E.
COMPARISON OF SELF-IRRADIATION EFFECTS IN ALPHA PLUTONIUM ENRICHED AND UNENRICHED IN ZIRCONIUM
J. APPL. PHYS. 35 (1964) P.1925-31 (NSA 18-22538)
KEYWORDS 2 5 17 20
CATIONS P

215 ELLIOTT R.O. 1966-A
OLSEN C.E.
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CATIONS P ADDITIVES ZR

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EVSTYUKHIN A.I.
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CATIONS U T ADDITIVES FS RE

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KEYWORDS 2 6 9 21
CATIONS P

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KEYWORDS 2 6 21
CATIONS P

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KEYWORDS 2 6 21
CATIONS P

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KEYWORDS 2 6 16 27
CATIONS U ADDITIVES ZR TI

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** 262 **

** 263 **

- 223 EREZ G. 1966-A
EVEN U.
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KEYWORDS 1 3 6 29 W
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CATIONS U
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- 227 EVANS J.P. 1959-A
MARDON P.G.
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CATIONS X
- 228 EVANS J.P. 1961-A
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THERMAL CONDUCTIVITY
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MINER W.N., (NSA 16-5748) (NSA 17-16550)
KEYWORDS 2 6 W
CATIONS P
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- EVEN U. - SEE NR 223
- EVSTYUKHIN A.I. - SEE NR 217
- FARRE R. - SEE NR 3 4
- 229 FACKELMANN J.M. 1969-A
URANIUM AND URANIUM ALLOYS
REACTOR MATERIALS 12 (1969) P.155-6 (NSA 23-41534) (NSA 23-41535)
KEYWORDS 2 6 21 30
CATIONS U ADDITIVES ZR
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KEYWORDS 2 6 21 30
CATIONS U ADDITIVES MO
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KEYWORDS 2 6 16 20 30 W
CATIONS V
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CATIONS X
- 233 FAHEY J.A. 1972-A
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CATIONS X
- 234 FARKAS M.S. 1958-A
UNALLOYED URANIUM
REACTOR CORE MATERIALS 1 NO.1 (1958) P.1-3
KEYWORDS 2 6 30 W
CATIONS U
- 235 FARKAS M.S. 1959-A
UNALLOYED URANIUM
REACTOR CORE MATERIALS 2 NO.2 (1959) P.1-3
KEYWORDS 2 6 27 30
CATIONS U
- 236 FARKAS M.S. 1962-A
ALPHA-PHASE URANIUM ALLOYS
REACTOR MATER. 5 NO.1 (1962) P.2-3 (NSA 16-13637)
KEYWORDS 2 6 15 30 W
CATIONS U ADDITIVES FS
- 237 FARKAS M.S. 1966-A
PREPARATION AND EVALUATION OF NON-OXIDE THORIUM-BASE FUELS
AED-CONF-66-104-9 (1966) P.3-4 (CONF-660524-8) (NSA 20-47010)
KEYWORDS 2 6 13 27 W
CATIONS V ADDITIVES BE
- 238 FARKAS M.S. 1967-A
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BMI-X-455 PART I (1967) P.3-44 (NSA 22-4728)
KEYWORDS 2 6 14 17 21 27 W
CATIONS U V Q ADDITIVES ZR MO ME
- 239 FARKAS M.S. 1968-A
ELDRIDGE E.
HEAT CONTENTS AND SPECIFIC HEATS OF SOME URANIUM-BEARING FUELS
J. NUCL. MATER. 27 (1968) P.94-6 (NSA 22-41043)
KEYWORDS 2 6 21
CATIONS U ADDITIVES NB MO BE
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- 240 FERRO R. 1966-A
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- FINCH R.A. - SEE NR 26 485 486
- 241 FINK F.W. 1951-A
THOMPSON H.B.
THE THERMAL AND ELECTRICAL CONDUCTIVITIES OF ZIRCONIUM AND ITS ALLOYS
BMI-65 (1951) 19P. (NSA 10-2437)
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CATIONS U ADDITIVES ZR
- FINNEMORE D.K. - SEE NR 122 517
- 242 FISHER E.S. 1961-A
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LOW-TEMPERATURE PHASE TRANSITION IN ALPHA URANIUM
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CATIONS U
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- FLORA R.H. - SEE NR 34
- 243 FLOTOW H.E. 1960-A
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THE HEAT CAPACITY AND THERMODYNAMIC FUNCTIONS OF URANIUM FROM 5 TO 350K
J. PHYS. CHEM. 64 (1960) P.904-6 (NSA 14-18932)
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CATIONS U
- 244 FLOTOW H.E. 1966-A
OSBORNE D.W.
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KEYWORDS 2 5 21
CATIONS U
- FLYNN J.F. - SEE NR 628
- 245 FOOTE F.G. 1955-A
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JOHNSON W.E. - SEE NR 146

JONES L.J. - SEE NR 87 88

319 JONES T.I. 1963-A
STREET K.N. SCOBBERG J.A. BAIRD J.
RELATION BETWEEN MICROSTRUCTURE AND THERMAL CONDUCTIVITY IN
ALUMINIUM-URANIUM ALLOYS
CAN. MET. QUART. 2 (1963) P.53-72 (NSA 17-23977)
KEYWORDS 2 6 15 23 W
CATIONS U ADDITIVES AL

320 JONES W.M. 1952-A
GORDON J. LONG E.A.
THE HEAT CAPACITIES OF URANIUM, URANIUM TRIOXIDE, AND URANIUM
DIOXIDE FROM 15K TO 300K
J. CHEM. PHYS. 20 (1952) P.695-9 (NSA 6-4298)
KEYWORDS 2 5 21
CATIONS U

** 270 **

** 271 **

JORDAN K.C. - SEE NR 218

KELLEY K.K. - SEE NR 474

321 JOUSSET J.C. 1963-A
QUERE Y.
RESISTIVITY VARIATIONS OF TEMPERED URANIUM AT 100 TO 42K (IN FRENCH)
PHYS. LETT. 5 (1963) P.238-40 (NSA 17-34455)
KEYWORDS 2 5 20
CATIONS U

334 KELMAN L.R. 1957-A
THERMAL CONDUCTIVITY
ANL-5643 (1957) P.46
KEYWORDS 2 6 9 W
CATIONS U ADDITIVES MO FS

322 JOUSSET J.C. 1966-A
ELECTRON IRRADIATION OF URANIUM AT 7 DEG K.
PHIL. MAG. 13 (1966) P.887-97 (NSA 20-35943)
KEYWORDS 2 5 17 20
CATIONS U

335 KELMAN L.R. 1958-A
FAST REACTOR FUEL DEVELOPMENT AT ARGONNE NATIONAL LABORATORY
TID-7546 BOOK 2 (1958) P.751-77 (ANL-FGF-73) (NSA 12-9448)
KEYWORDS 2 6 W
CATIONS U ADDITIVES FS

323 JOUSSET J.C. 1968-A
CONTRIBUTION TO THE STUDY OF POINT DEFECTS IN ALPHA URANIUM
THESES (UNIV. OF PARIS, ORSAY, FRANCE) (1968) 104P. (NSA 23-20512)
KEYWORDS 2 5 6 17 20 27
CATIONS U

336 KELMAN L.R. 1961-A
DUNWORTH R.J.
THE DEVELOPMENT OF PLUTONIUM-CONTAINING FUELS AT THE ARGONNE NATIONAL LABORATORY
THE METAL PLUTONIUM (1961) P.365-82 (EDS.) COFFINBERRY A.S., MINER W.N. (NSA 17-16571) (NSA 17-16550)
KEYWORDS 2 6 16 27 W
CATIONS U P ADDITIVES FS

JOUSSET J.C. - SEE NR 120

337 KELMAN L.R. 1964-A
DUNWORTH R.J. SAVAGE H. GILBERT E.R.
PROPERTIES OF URANIUM-PLUTONIUM-FIZZIUM ALLOYS
ANL-6868 (1964) P.11-4 (NSA 18-26893)
KEYWORDS 2 6 30 W
CATIONS M ADDITIVES FS

324 JULLIEN R. 1973-A
REAL MONOD V.T. COOPLIN B.
HIGH-TEMPERATURE BEHAVIOR OF THE RESISTIVITY IN NEARLY MAGNETIC METALS - APPLICATION TO PLUTONIUM
PHYS. REV. LETT. 30 (1973) P.1057-60
KEYWORDS 1 5 20
CATIONS P

338 KELMAN L.R. 1965-A
DUNWORTH R.J. SAVAGE H. RHUDE H.V.
PROPERTIES OF URANIUM-PLUTONIUM-FIZZIUM ALLOYS
ANL-7000 (1965) P.3-4 (NSA 19-44587) (NSA 19-44586)
KEYWORDS 3 6 15 26 27 30 W
CATIONS M ADDITIVES FS

KAMM R.L. - SEE NR 625

325 KAMMER E.W. 1953-A
A NOTE ON THE EFFECT OF SMALL STRAINS ON THE ELECTRICAL RESISTANCE OF URANIUM WIRE
NYO-3791 (1953) 7P. (NRL-4266) (NSA 9-2098)
KEYWORDS 2 6 20
CATIONS U

339 KELMAN L.R. 1965-B
SAVAGE H. WALTER C.M. BLUMENTHAL B.
DUNWORTH R.J. RHUDE H.V.
IMPROVED METALLIC FAST POWER BREEDER FUELS
TRANS. AMER. NUCL. SOC. 8 (1965) P.347-8 (NSA 20-2386)
KEYWORDS 2 6 26 27
CATIONS M ADDITIVES ZR TI

326 KARLSSON R.H. 1964-A
EXPERIMENTS USING THE THERMOELECTRIC EMF OF A PU-1 W/O GA ALLOY
REP-351 (1964) 8P. (NSA 18-20527)
KEYWORDS 2 6 20
CATIONS P ADDITIVES GA

340 KELMAN L.R. 1965-C
RHUDE H.V. SAVAGE H.
PROPERTIES OF ZERO-POWER URANIUM-PLUTONIUM METAL FUELS
ANL-7000 (1965) P.12-5 (NSA 19-44587) (NSA 19-44586)
KEYWORDS 2 6 15 27
CATIONS M ADDITIVES FS

327 KARLSSON R.H. 1965-A
THE TOTAL HEMISPHERICAL EMITTANCE OF POLISHED AND OF OXIDIZED ALPHA PLUTONIUM
REP-616 (1965) 10P. (NSA 19-39167)
KEYWORDS 2 6 22
CATIONS P

341 KELMAN L.R. 1966-A
RECK W.N. WALTER C.M. MURPHY W.F.
CROTHERS C.C.
URANIUM-PLUTONIUM ALLOYS
ANL-7001 (1966) P.98-100 (NSA 21-5596)
KEYWORDS 2 6 16 27
CATIONS M ADDITIVES ZR TI

KARUSH W. - SEE NR 483

328 KARLSSON R.H. 1966-A
THE TOTAL HEMISPHERICAL EMITTANCE OF PLUTONIUM AT 89C
J. NUCL. MATER. 19 (1966) P.79-80 (NSA 20-15088)
KEYWORDS 2 6 22
CATIONS P

342 KELMAN L.R. 1967-A
SAVAGE H. WALTER C.M. BLUMENTHAL B.
DUNWORTH R.J. RHUDE H.V.
STATUS OF METALLIC PLUTONIUM FAST POWER-BREEDER FUELS
PROC. 3RD INT. CONF. ON PLUTONIUM (LONDON), PLUTONIUM 1965 (1967) P.458-84 (EDS.) KAY A.E., WALDRON M.B., (NSA 21-32875) (NSA 21-32820)
KEYWORDS 2 6 16 27
CATIONS M R ADDITIVES ZR TI

KASS S. - SEE NR 63

329 KATZ J.J. 1951-A
RASINOWITZ F.
PHYSICAL PROPERTIES OF URANIUM METAL
THE CHEMISTRY OF URANIUM, PART I - THE ELEMENT, ITS BINARY AND RELATED COMPOUNDS (1951) 1ST ED. P.133-63 NUCLEAR ENERGY SERIES, DIV. VIII, VOL.5 (NSA 9-6186)
KEYWORDS 2 6 20 21 27 30 W
CATIONS U

343 KELMAN L.R. 1967-B
RHUDE H.V. SCHNIZLEIN J.G. SAVAGE H.
METALLIC PLUTONIUM ALLOYS FOR FAST CRITICAL EXPERIMENTS
PROC. 3RD INT. CONF. ON PLUTONIUM (LONDON), PLUTONIUM 1965 (1967) P.510-24 (CONF-651102) (EDS.) KAY A.E., WALDRON M.B., (NSA 21-32877)
KEYWORDS 2 6 16 27
CATIONS M ADDITIVES MO TI

330 KAY A.E. 1964-A
LOASRY R.G.
THE SPECIFIC HEAT OF PLUTONIUM AT HIGH TEMPERATURES
PHIL. MAG. 9 (1964) P.37-49 (NSA 18-20593)
KEYWORDS 2 6 21
CATIONS P

KELMAN L.R. - SEE NR 141 198 199 200 702

KAY A.F. - SEE NR 168 169 183

344 KEMPER R.S. 1953-A
BOYD C.L.
ELECTRICAL RESISTANCE MEASUREMENTS OF AN IRRADIATED URANIUM SAMPLE
HW-28309 (1953) 9P. (NSA 11-7902)
KEYWORDS 4 6 17 20
CATIONS U

KEFLER J.R. - SEE NR 431

KEMPTER C.P. - SEE NR 209

331 KELLER D.L. 1960-A
DISPERSION FUEL ELEMENTS
REACTOR CORE MATERIALS 3 NO.1 (1960) P.8-9 (NSA 14-15033)
KEYWORDS 2 6 15 30 W
CATIONS U ADDITIVES Y

KIENZLE W.E. - SEE NR 28

KELLER J.M. - SEE NR 629 630 631

KIKUCHI T. - SEE NR 488

332 KELLEY K.K. 1942-A
MOORE G.E.
ENTROPY, SPECIFIC HEAT, ETC., DATA ON U, UO2 AND UO3
MDDC-1499 (1942) 2P. (NSA 1-1499) (NSA 1-P.809)
KEYWORDS 2 6 21
CATIONS U

345 KING E. 1963-A
LEE J.A.
THE LOW TEMPERATURE RESISTIVITY OF BETA-PHASE PLUTONIUM
CRYOGENICS 3 (1963) P.177-9 (NSA 18-614)
KEYWORDS 2 5 20
CATIONS P

333 KELLEY K.K. 1960-A
CONTRIBUTION TO THE DATA ON THEORETICAL METALLURGY - XIII.
HIGH-TEMPERATURE HEAT-CONTENT, HEAT CAPACITY, AND ENTROPY DATA FOR THE ELEMENTS AND INORGANIC COMPOUNDS
BULLETIN NO. 584 U.S. BUREAU OF MINES (1960) P.189-20 (NSA 14-12583)
KEYWORDS 2 6 7 21
CATIONS T

346 KING E. 1964-A
SELF IRRADIATION EFFECTS IN STABILIZED DELTA PLUTONIUM
ACTA MET. 12 (1964) P.111-2 (NSA 18-7311)
KEYWORDS 2 5 17 20
CATIONS P

347 KING E. 1964-B
ACCUMULATION OF RADIATION DAMAGE IN METASTABLE BETA-PHASE PLUTONIUM
CRYOGENICS 4 (1964) P.108-9 (NSA 18-26075)
KEYWORDS 2 5 17 20
CATIONS P

** 272 **

** 273 **

- 348 KING E. 1965-A
LEE J.A., MENDELSSOHN K., WIGLEY D.A.
RESISTIVITY OF PLUTONIUM, NEPTUNIUM AND URANIUM DUE TO THE
ACCUMULATION OF RADIOACTIVE SELF DAMAGE
PROC. ROY. SOC. (LONDON), SER.A 284 (1965) P.325-43 (NSA 19-
20649)
KEYWORDS 2 5 6 17 20
CATIONS U P X
- 349 KING E. 1968-A
THE EFFECT OF VERY HIGH PRESSURES ON THE ELECTRICAL RESISTANCE
OF THE ACTINIDE ELEMENTS FROM THORIUM TO PLUTONIUM
AFRE-R 5913 (1968) 21P. (AED-CONF.1971-161-001)
KEYWORDS 2 6 20
CATIONS U P T
- KING E. - SEE NR 388 390
- KING R.E. - SEE NR 564
- KIRILLOV I.V. - SEE NR 676 677
- 350 KITTEL J.H. 1971-A
AYER J.E., BECK W.N., BRODSKY M.B.,
O ROYLE D.R., ZEGLER S.T., ELLINGER F.H.,
MINER W.N., SCHONFELD F.W., NELSON R.D.
PLUTONIUM AND PLUTONIUM ALLOYS AS NUCLEAR FUEL MATERIALS
NUCL. ENG. DES. 15 (1971) P.373-440 (NSA 25-45044)
KEYWORDS 2 3 6 20 27 30 W
CATIONS U P M ANIONS F S
- KITTEL J.H. - SEE NR 65
- 351 KLEIN J.L. 1967-A
URANIUM AND ITS ALLOYS
NUCLEAR REACTOR FUEL ELEMENTS, METALLURGY AND FABRICATION
(1967) P.31-93 (NSA 16-16657)
KEYWORDS 2 6 20 30 W
CATIONS U
- KLEMFENS P.G. - SEE NR 673
- 352 KMETKO E.A. 1964-A
THE BAND STRUCTURE, SPECIFIC HEAT, MAGNETIC SUSCEPTIBILITY,
AND ANOMALOUS THERMAL EXPANSION OF DELTA PLUTONIUM
LA-DC-7351 (1964) 33P. (CONF-651102-B) (NSA 19-44689)
KEYWORDS 2 6 16 20 21 27
CATIONS P
- 353 KMETKO E.A. 1967-A
THE BAND STRUCTURE, SPECIFIC HEAT, MAGNETIC SUSCEPTIBILITY,
AND ANOMALOUS THERMAL EXPANSION OF DELTA-PLUTONIUM
PROC. 3RD INT. CONF. ON PLUTONIUM (LONDON), PLUTONIUM 1965
(1967) P.222-43 (EDS.) KAY A.E., WALDRON M.B., (NSA 19-44689)
KEYWORDS 2 6 16 20 21 27
CATIONS P
- 354 KNIGHT F.W. 1961-A
CUBIC EXPANSION OF PLUTONIUM AND PLUTONIUM-IRON EUTECTIC
BETWEEN ROOM TEMPERATURE AND 700 TO 800C
PROC. 2ND INT. CONF. ON PLUTONIUM METALLURGY (GRENOBLE),
PLUTONIUM 1960 (1961) P.684-704 (EDS.) GRISON E., LORD W.B.H.,
FOWLER R.D., (NSA 16-4486)
KEYWORDS 2 6 27
CATIONS P ADDITIVES FE
- KNIPP J.K. - SEE NR 629 630 631
- KNOLL W. - SEE NR 633
- 355 KOENIG J.F. 1970-A
ESCHEN V.G., WALTER C.M.
APPLICATION OF THE BEMOD FUEL-ELEMENT MODELING CODE TO EBR-2
BLANKET ELEMENTS
TRANS. AMER. NUCL. SOC. 13 (1970) P.126-7 (NSA 24-33324)
KEYWORDS 1 3 29 W
- KOENIG J.F. - SEE NR 247
- KOMURA S. - SEE NR 286
- 356 KONOREEVSKII S.T. 1955-A
PRAVDUIK N.F., KUTAITSEV V.I.
EFFECT OF IRRADIATION ON STRUCTURE AND PROPERTIES OF
FISSIONABLE MATERIALS
PROC. 1ST INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 7
(1955) GENEVA P.433-40 (P/681) (A/CONF.8/7)
KEYWORDS 4 6 20 27
CATIONS U ADDITIVES MO
- 357 KONOREEVSKII S.T. 1958-A
PRAVDUIK N.F., DURROVIN K.P., LEVITSKII B.M.,
PANTELEEV L.D., GOLYANOV V.M.
INVESTIGATION OF THE STRUCTURAL CHANGES TAKING PLACE IN A
URANIUM-MOLYBDENUM ALLOY UNDER THE ACTION OF NEUTRON
IRRADIATION (IN RUSSIAN)
ATOMNAYA ENERGIYA 4 (1958) P.34-44 (NSA 12-8828)
KEYWORDS 3 4 17 20
CATIONS U ADDITIVES MO
- 358 KONOREEVSKII S.T. 1958-B
PRAVDUIK N.F., DURROVIN K.P., LEVITSKII B.M.,
PANTELEEV L.D., GOLYANOV V.M.
INVESTIGATION OF THE STRUCTURAL CHANGES TAKING PLACE IN A
URANIUM-MOLYBDENUM ALLOY UNDER THE ACTION OF NEUTRON
IRRADIATION
SOV. J. ATOMIC ENERGY 4 (1958) P.33-45 (NSA 12-8828)
KEYWORDS 3 4 17 20
CATIONS U ADDITIVES MO
- 359 KONOREEVSKII S.T. 1958-C
ZAIMOVSKY A.S., LEVITSKII B.M., SOKURSKY Y.N.,
CHEBOTAREV N.T., BOBKOV Y.V., EGOROV P.P.,
NIKOLAEV G.N., IVANOV A.A.
SOME PHYSICAL PROPERTIES OF URANIUM, PLUTONIUM AND THEIR
ALLOYS
PROC. 2ND INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 6
(1958) GENEVA P.194-203 (A/CONF.15/P/2230) (NSA 13-6835) (NSA
14-1798)
KEYWORDS 2 6 W
CATIONS U
- 360 KONOREEVSKII S.T. 1961-A
CHEBOTAREV N.T.
THE STRUCTURE AND THERMAL EXPANSION OF DELTA- AND ETA-
PLUTONIUM (IN RUSSIAN)
ATOMNAYA ENERGIYA 10 (1961) P.50-7 (NSA 15-9451)
KEYWORDS 2 6 27
CATIONS P
- 361 KONOREEVSKII S.T. 1961-B
CHEBOTAREV N.T.
ON THE STRUCTURE AND THERMAL EXPANSION OF DELTA- AND ETA-
PLUTONIUM
AEC-TR-4619 (1961) 11P. (NSA 15-19891)
KEYWORDS 2 6 27
CATIONS P
- 362 KONOREEVSKII S.T. 1961-C
CHEBOTAREV N.T.
THE STRUCTURE AND THERMAL EXPANSION OF DELTA- AND ETA-
PLUTONIUM
J. SOV. ATOM. ENERGY 10 (1961) P.47-54 (NSA 15-9451)
KEYWORDS 2 6 27
CATIONS P
- 363 KONOREEVSKII S.T. 1963-A
PLUTONIUM ALLOYS (IN RUSSIAN)
ISSLED. SPLAVOV TSVETN. METAL. AKAD. NAUK SSSR, INST. MET.
NO.4 (1963) P.17-24 (REV. METAL LIT. 21 NO.3 (1964) (NSA 18-
16493)
KEYWORDS 2 20 27
CATIONS P ADDITIVES ME
- 364 KONOREEVSKII S.T. 1967-A
SOKURSKY Y.N., BOBKOV Y.V., DURROVIN K.P.,
PROTSSENKO L.N.
EFFECT OF NUCLEAR RADIATION ON THE PHASE COMPOSITION OF
URANIUM ALLOYS WITH LOW CONTENT OF ALLOYING ELEMENTS (IN
RUSSIAN)
ATOMNAYA ENERGIYA 22 (1967) P.450-9 (NSA 21-43611)
KEYWORDS 3 6 17 23 27
CATIONS U ADDITIVES ME
- 365 KONOREEVSKII S.T. 1970-A
RAETSKY V.M.
CHANGE IN ELECTRICAL RESISTANCE OF FISSIONABLE MATERIALS
DURING IRRADIATION BY NEUTRONS IN LIQUID NITROGEN (IN RUSSIAN)
RADIATIONNAYA FIZIKA TVERDOGO TELA I REAKTORNOYE
MATERIALOVEDENIYE, ATOMIZDAT, MOSCOW (1970) P.52-60 (NSA 25-
52901)
KEYWORDS 3 5 10 20
CATIONS U P ADDITIVES AL
- 366 KONOREEVSKII S.T. 1970-B
RAETSKY V.M.
CHANGE IN ELECTRICAL RESISTANCE OF FISSIONABLE MATERIALS
DURING IRRADIATION BY NEUTRONS IN LIQUID NITROGEN
JPRS-53800 (1970) P.62-71 (NSA 25-52901)
KEYWORDS 3 5 10 20
CATIONS U P ADDITIVES AL
- 367 KONOREEVSKII S.T. 1970-C
RAETSKY V.M., KOSULIN N.S.
CHANGE IN ALPHA-PLUTONIUM ELECTRICAL RESISTIVITY DURING
NEUTRON IRRADIATION IN LIQUID NITROGEN (IN RUSSIAN)
ATOMNAYA ENERGIYA 29 (1970) P.80-2 (NSA 25-1300)
KEYWORDS 3 5 17 20
CATIONS U
- KOSULIN N.S. - SEE NR 367
- 368 KRATZ H.R. 1944-A
RAETH C.H.
THERMAL CONDUCTIVITY OF URANIUM
CP-2315 (1944) 14P. (NSA 10-4230)
KEYWORDS 2 6 W
CATIONS U
- KRAUSE P. - SEE NR 656 657
- 369 KRUGER O.L. 1958-A
THERMAL EXPANSION OF AN INJECTION CAST URANIUM - 20 W/O
PLUTONIUM - 10 W/O FISSION ALLOY
ANL-5837 (1958) P.26-8 (NSA 13-19215)
KEYWORDS 2 6 27
CATIONS M ADDITIVES FS
- 370 KRUGER O.L. 1959-A
PROPERTIES OF URANIUM-PLUTONIUM-FISSIUM ALLOYS
ANL-5975 (1959) P.14-6 (NSA 13-11819)
KEYWORDS 2 6 27
CATIONS M ADDITIVES FS
- 371 KRUGER O.L. 1966-A
PHASE RELATIONS AND STRUCTURES IN URANIUM-PLUTONIUM-FISSIUM
ALLOYS
J. NUCL. MATER. 19 (1966) P.29-41 (NSA 20-15085)
KEYWORDS 2 6 16 23
CATIONS M ADDITIVES FS

** 274 **

** 275 **

372 KUCIAR L. 1970-A
SPINDLEROVA V. WOZNIAKOVA B.
MODELING OF SOLIDUS AND LIQUIDUS CURVES ON Odra 1003 COMPUTER.
APPLICATION TO THE U-CO SYSTEM (IN CZECH)
HUTN. LISTY 25 (1970) P.179-85 (NSA 25-16613)
KEYWORDS 2 7 26
CATIONS U ADDITIVES ME

KUMAGAI K. - SEE NR 590

KUNITOMI N. - SEE NR 286

KUTAITSSEV V.I. - SEE NR 356

KUZNETSOVA R.I. - SEE NR 45 306 307

LACOMRE P. - SEE NR 507 508

LACOSTE M. - SEE NR 535

373 LALLEMENT R. 1963-A
DILATATION AND THERMOELECTRIC POWER OF ALPHA PU AT LOW
TEMPERATURE (IN FRENCH)
J. PHYS. CHEM. SOLIDS 24 (1963) P.1617-24 (NSA 18-10562)
KEYWORDS 2 5 20 27
CATIONS P

374 LALLEMENT R. 1963-B
EXAMINATION OF THE CRYSTAL STRUCTURE OF ALPHA-PLUTONIUM AT LOW
TEMPERATURE
CRYOGENICS 3 (1963) P.45-6 (NSA 17-20467)
KEYWORDS 2 5 27
CATIONS P

375 LALLEMENT R. 1964-A
RESISTIVITY OF ALPHA PLUTONIUM UNDER PRESSURE AT LOW
TEMPERATURE (IN FRENCH)
PHYS. LETT. (1964) P.166 (NSA 18-14515)
KEYWORDS 2 5 20
CATIONS P

376 LALLEMENT R. 1967-A
WIGLEY D.A.
STUDY OF LENGTH VARIATION OF ALPHA-PLUTONIUM BY
AUTOIRRADIATION AT 4K (IN FRENCH)
PHYS. STATUS SOLIDI 21 (1967) P.145-50 (NSA 21-28805)
KEYWORDS 2 5 17 27
CATIONS P

377 LALLEMENT R. 1967-B
SOLENT P.
PHYSICAL PROPERTIES OF ALPHA-PLUTONIUM AND DELTA-PHASE ALLOYS
AT LOW TEMPERATURES
PROC. 3RD INT. CONF. ON PLUTONIUM (LONDON), PLUTONIUM 1965
(1967) P.147-61 (EDS.) KAY A.E., WALDRON M.B. (NSA 21-32870)
(NSA 21-32820)
KEYWORDS 2 5 27
CATIONS P

378 LALLEMENT R. 1970-A
PASCARD R.
PLUTONIUM - METALLURGY AND PHYSICAL PROPERTIES OF METAL (IN
FRENCH)
NOUVEAU TRAITE DE CHIMIE MINERALE. TOME XV, 5. FASCICULE
TRANSURANIENS (1970) P.217-65 (EDS.) PASCAL P., (PUBL.) MASSON
ET CIE
KEYWORDS 2 5 20 30 W
CATIONS P

LALLEMENT R. - SEE NR 308 626

LANG J.I. - SEE NR 293

LANGERON J.P. - SEE NR 408

379 LANIJSSE J. 1964-A
AUFERT H.
LOW-CONTENT URANIUM ALLOYS FOR NUCLEAR FUELS (IN FRENCH)
CEA-R-2584 (1964) P.13-4 (NSA 19-16063)
KEYWORDS 2 6 16 W
CATIONS U ADDITIVES ME

LANIJSSE J. - SEE NR 43

380 LAPIDES M.E. 1955-A
BRUBAKER R.C.
SOME THERMAL PROPERTIES OF SOLID MATERIALS. PART I. METALS
APEX-244 (1955) P.59-62 (NSA 10-6690)
KEYWORDS 2 6 21 26 W
CATIONS U

381 LAQUER H.L. 1952-A
LOW TEMPERATURE THERMAL EXPANSION OF VARIOUS MATERIALS
AEC-3706 (1952) P.14/16-9 (NSA 10-3824)
KEYWORDS 2 27 30
CATIONS T

LAQUER H.L. - SEE NR 604 605

LARSON A.C. - SEE NR 210

382 LASL 1961-A
URANIUM-PLUTONIUM ALLOYS
LAMS-2647 (1961) P.7-9 (NSA 16-6104)
KEYWORDS 2 6 26
CATIONS U ADDITIVES ME

383 LASL 1966-A
THERMAL CONDUCTIVITY OF PU METAL
LA-3582-MS (1966) P.39-40 (NSA 20-43829)
KEYWORDS 2 6 20 W
CATIONS P

LASLETT L.J. - SEE NR 629 630

384 LAWSON A.C. 1970-A
ELECTRICAL RESISTIVITY OF U-PT
PHYS. LETT. (A) 33 (1970) P.231-2 (NSA 25-3215)
KEYWORDS 2 5 20
CATIONS U ADDITIVES ME

LEBLANC J.G. - SEE NR 465

385 LEE J.A. 1959-A
HALL R.O.A.
SOME MEASUREMENTS ON THE THERMOELECTRIC POWER OF PLUTONIUM
METAL
J. LESS-COMMON METALS 1 (1959) P.356-61 (NSA 14-7789)
KEYWORDS 2 6 20
CATIONS P

386 LEE J.A. 1949-B
EVANS J.P. HALL R.O.A.
SOME PHYSICAL PROPERTIES OF NEPTUNIUM METAL - III. THE
ELECTRICAL RESISTIVITY AND THERMOELECTRIC POWER OF NEPTUNIUM
METAL IN THE RANGE 300 - 900K
J. PHYS. CHEM. SOLIDS 11 (1959) P.278-83 (NSA 14-7800)
KEYWORDS 2 6 20
CATIONS X

387 LEE J.A. 1959-C
MEADEN G.T. MENDELSSOHN K.
LOW TEMPERATURE RESISTIVITY OF PLUTONIUM AND NEPTUNIUM
PROC. PHYS. SOC. (LONDON) 74 (1959) P.671 (NSA 14-5743)
KEYWORDS 2 5 20
CATIONS P X

388 LEE J.A. 1960-A
MEADEN G.T. HALL R.O.A. KING E.
SOME PROPERTIES OF PLUTONIUM AND PLUTONIUM-RICH ALLOYS
NP-9183 (1960) 22P. (NSA 14-25946)
KEYWORDS 2 6 16 20 W
CATIONS P M

389 LEE J.A. 1960-B
MEADEN G.T. MENDELSSOHN K.
THE ELECTRICAL RESISTIVITY OF PLUTONIUM, NEPTUNIUM, AND SOME
PLUTONIUM ALLOYS
CRYOGENICS 1 (1960) P.52-3 (NSA 15-9575)
KEYWORDS 2 5 20
CATIONS P X ADDITIVES AL

390 LEE J.A. 1961-A
HALL R.O.A. KING E. MEADEN G.T.
SOME PROPERTIES OF PLUTONIUM AND PLUTONIUM-RICH ALLOYS
PROC. 2ND INT. CONF. ON PLUTONIUM METALLURGY (GRENOBLE),
PLUTONIUM 1960 (1961) P.39-50 (EDS.) GRISON E., LORD W.B.H.,
FOWLER R.D. (NSA 14-25946)
KEYWORDS 2 6 16 20 W
CATIONS P ADDITIVES ME

391 LEE J.A. 1961-B
MARDON P.G.
SOME PHYSICAL PROPERTIES OF PLUTONIUM METAL STUDIED AT HARWELL
THE METAL PLUTONIUM (1961) P.133-51 (EDS.) COFFINBERRY A.S.,
MINER W.N. (NSA 17-16563) (NSA 17-16550)
KEYWORDS 2 6 20 27 W
CATIONS P

392 LEE J.A. 1962-A
MENDELSSOHN K. WIGLEY D.A.
EFFECT OF SELF-IRRADIATION ON THE RESISTIVITY OF PLUTONIUM
PHYS. LETT. 1 (1962) P.325-7 (NSA 16-27672)
KEYWORDS 2 5 17 20
CATIONS P

393 LEE J.A. 1962-B
MENDELSSOHN K. WIGLEY D.A.
ACCUMULATION OF RADIATION DAMAGE IN PLUTONIUM
CRYOGENICS 2 (1962) P.183-4 (NSA 16-15255)
KEYWORDS 2 5 17 20
CATIONS P

394 LEE J.A. 1963-A
MENDELSSOHN K. WIGLEY D.A.
LOW TEMPERATURE RESISTIVITY OF SELF-IRRADIATED PLUTONIUM
CRYOGENICS 3 (1963) P.46-7 (NSA 17-20519)
KEYWORDS 2 5 17 20
CATIONS P

395 LEE J.A. 1963-B
MENDELSSOHN K. WIGLEY D.A.
ACCUMULATION OF SELF-DAMAGE IN PLUTONIUM
J. PHYS. SOC. JAPAN 18 SUPPL. III (1963) P.312-4 (NSA 17-
37620)
KEYWORDS 2 5 17 20
CATIONS P

396 LEE J.A. 1963-C
MEADEN G.T.
ELECTRONIC PROPERTIES OF THE ACTINIDE METALS
LOW TEMPERATURE PHYSICS (1963) P.262-3 (PUBL.) BUTTERWORTS,
WASHINGTON D.C. (NSA 18-36510)
KEYWORDS 2 5 20
CATIONS U P X

397 LEE J.A. 1965-A
MENDELSSOHN K. SUTCLIFFE P.W.
LOW TEMPERATURE SPECIFIC HEAT OF PLUTONIUM
CRYOGENICS 5 (1965) P.227 (NSA 19-47043)
KEYWORDS 2 5 21
CATIONS P

** 276 **

** 277 **

398 LEE J.A. 1967-A
MARPLES J.A.C. MENDELSSOHN K. SUTCLIFFE P.W.
SOME PHYSICAL PROPERTIES OF PLUTONIUM METAL AT LOW
TEMPERATURES
PROC. 3RD INT. CONF. ON PLUTONIUM (LONDON), PLUTONIUM 1965
(1967) P.176-88 (EDS.) KAY A.E., WALDRON M.B., (CONF-651102)
(NSA 21-32820) (NSA 21-32872)
KEYWORDS 2 5 21
CATIONS P

399 LEE J.A. 1969-A
SUTCLIFFE P.W. MENDELSSOHN K.
SPECIFIC HEAT OF ALPHA-URANIUM
PHYS. LETT. 30A (1969) P.106-7
KEYWORDS 2 5 21
CATIONS U

400 LEE J.A. 1970-A
SUTCLIFFE P.W. MARTIN D.J. MENDELSSOHN K.
REVIEW OF LOW TEMPERATURE SPECIFIC HEATS OF THE ACTINIDES
PROC. 4TH INT. CONF. ON PLUTONIUM AND OTHER ACTINIDES (SANTA
FE), NUCLEAR METALLURGY VOL. 17 PART I (1970) P.58-67 (CONF-
701001-PT.1) (NSA 25-11384)
KEYWORDS 2 5 21 30
CATIONS U P

401 LEE J.A. 1970-B
MENDELSSOHN K. SUTCLIFFE P.W.
SPECIFIC HEATS OF PLUTONIUM AND NEPTUNIUM
PROC. ROY. SOC. (LONDON), SER.A (1970) P.303-17 (NSA 24-36919)
KEYWORDS 2 5 21
CATIONS P X

402 LEE J.A. 1971-A
TRANSPORT PROPERTIES OF ACTINIDES
CONFERENCE DIGEST NO.3 RARE EARTHS AND ACTINIDES, DURHAM 1971,
DURHAM 1971 (1971) P.50-59 (PUB.) THE INSTITUTE OF PHYSICS,
LONDON AND BRISTOL (CONF-710712)
KEYWORDS 1 2 5 6 20
CATIONS U P X

403 LEE J.A. 1972-A
WALDRON M.B.
RECENT PROGRESS IN ACTINIDE RESEARCH
CONTEMP. PHYS. 13 (1972) P.113-33 (NSA 26-27957)
KEYWORDS 1 2 5 6 17 20 21 W
CATIONS U P T X

LEE J.A. - SEE NR 49 51 272 281 283 300 345
,, - SEE NR 348 436 454 687

LEESER D.O. - SEE NR 177

LEGGETT R.D. - SEE NR 98 99

LEGVOLD S. - SEE NR 629 630 631

404 LEHMANN J. 1959-A
A STUDY OF PHASE TRANSFORMATION PROCESSES URANIUM-MOLYBDENUM
ALLOYS WITH 0.4 TO 4.0% MOLYBDENUM (IN FRENCH)
CEA-1261 (THESIS) (1959) P.48-9 (NSA 14-11972)
KEYWORDS 2 6 15 27
CATIONS U ADDITIVES MO

405 LEHMANN J. 1959-B
STUDY OF TRANSFORMATION PROCESSES IN URANIUM-MOLYBDENUM ALLOYS
OF 0.5 TO 4.0% BY WEIGHT OF MOLYBDENUM
AEC-TR-430R (1959) P.52-3 (NSA 15-3107)
KEYWORDS 2 6 15 27
CATIONS U ADDITIVES MO

406 LEHMANN J. 1967-A
URANIUM ALLOYS (PHYSICAL PROPERTIES) (IN FRENCH)
NOUVEAU TRAITE DE CHIMIE MINERALE, TOME XV, 4. FASCICULE
URANIUM (COMPLEMENTS) (1967) P.327-49 (ED.) PASCAL P., (PUB.)
MASSON ET CIE
KEYWORDS 2 6 15 27 30 W
CATIONS U ADDITIVES AL MO ME

407 LEHMANN J. 1967-B
BEHAVIOR OF URANIUM ALLOYS UNDER NEUTRON IRRADIATION (IN
FRENCH)
NOUVEAU TRAITE DE CHIMIE MINERALE, TOME XV, 4. FASCICULE
URANIUM (COMPLEMENTS) (1967) P.865-903 (ED.) PASCAL P., (PUB.)
MASSON ET CIE
KEYWORDS 3 4 5 6 20 W
CATIONS U ADDITIVES MO

408 LEHR P. 1955-A
LANGERON J.P.
ON THE EXPANSION BEHAVIOR OF SINGLE CRYSTALS OF ALPHA URANIUM
(IN FRENCH)
COMPT. REND. ACAD. SCI. (PARIS) 241 (1955) P.241 (1955)
P.1130-3 (NSA 10-1649)
KEYWORDS 2 6 10 27
CATIONS U

409 LEVINGSTON H.L. 1953-A
ROGERS B.A.
THE THORIUM-VANADIUM SYSTEM
AEC-3602 (1953) P.12/15-7 (ISC-340) (NSA 8-1086)
KEYWORDS 2 7 16 26
CATIONS T ADDITIVES ME

LEVINGSTON H.L. - SEE NR 554 556 557

410 LEVINSON L.S. 1964-A
HEAT CONTENT OF MOLTEN URANIUM
J. CHEM. PHYS. 40 (1964) P.3584-5 (LADC-6212) (NSA 18-33553)
KEYWORDS 2 7 21 26
CATIONS U

411 LEVINSON L.S. 1966-A
THE HEAT CONTENT OF CRYSTAL-BAR THORIUM
J. NUCL. MATER. 19 (1966) P.50-2 (LA-DC-7136) (NSA 20-14550)
KEYWORDS 2 6 7 21
CATIONS T

LEVITSKII B.M. - SEE NR 357 358 359 724

412 LIERMANN J. 1972-A
ABSOLUTE MEASUREMENT OF THE THERMAL CONDUCTIVITY OF MATERIALS
(IN FRENCH)
BULL. INFORM. SCI. TECH. (PARIS) 167 (1972) P.53-8 (NSA 26-
43587)
KEYWORDS 2 6 9 W
CATIONS U

LILEY P.E. - SEE NR 297

LILLEY E.M. - SEE NR 634

LILLIENDAHL W.C. - SEE NR 194

LINDE D.W. - SEE NR 528

LINFORD P.F.T. - SEE NR 660 661

413 LIVERNASH W.H. 1958-A
THERMAL CONDUCTIVITY OF URANIUM - 20 W/O PLUTONIUM - 10 W/O
FISSION ALLOY
ANL-5837 (1958) P.25 (NSA 13-19215)
KEYWORDS 2 6 16 W
CATIONS M ADDITIVES FS

414 LLOYD L.T. 1957-A
THORIUM-PLUTONIUM ALLOYS
WASH-703 (1957) P.2 (NSA 14-15027)
KEYWORDS 2 6 15
CATIONS Q

415 LLOYD L.T. 1958-A
THERMAL EXPANSION OF ALPHA-URANIUM SINGLE CRYSTALS
ANL-5790 (1958) P.37-9 (NSA 13-1349)
KEYWORDS 2 6 27
CATIONS U

416 LLOYD L.T. 1958-B
THERMAL EXPANSION OF ALPHA URANIUM SINGLE CRYSTALS
ANL-5837 (1958) P.40-2 (NSA 13-19215)
KEYWORDS 2 10 27
CATIONS U

417 LLOYD L.T. 1959-A
THERMAL EXPANSION OF ALPHA-URANIUM SINGLE CRYSTALS
ANL-5972 (1959) 48P. (NSA 13-20137)
KEYWORDS 2 10 27
CATIONS U

418 LLOYD L.T. 1959-B
THERMAL EXPANSIONS OF ALPHA URANIUM SINGLE CRYSTALS
ANL-5975 (1959) P.49 (NSA 13-11819)
KEYWORDS 2 6 27
CATIONS U

419 LLOYD L.T. 1966-A
BARRETT C.S.
THERMAL EXPANSION OF ALPHA URANIUM
J. NUCL. MATER. 18 (1966) P.55-9 (NSA 20-17064)
KEYWORDS 2 6 27
CATIONS U

LLOYD L.T. - SEE NR 564

LO R.K. - SEE NR 126

420 LOASRY R.G. 1958-A
THE GAMMA-PHASE IN URANIUM ALLOYS
PROC. PHYS. SOC. 72 (1958) P.425-8 (NSA 12-16419)
KEYWORDS 2 6 20
CATIONS U ADDITIVES MO

LOASRY R.G. - SEE NR 59 168 330 660

LOHR H.R. - SEE NR 243

LONG E.A. - SEE NR 320

421 LOOMIS B.A. 1968-A
ELECTRICAL RESISTIVITY OF NEUTRON-IRRADIATED URANIUM
ANL-7417 (1968) P.112-6 (NSA 24-25750) (NSA 24-25631)
KEYWORDS 4 17 20
CATIONS U

422 LORD W.B.H. 1954-A
SOME PHYSICAL PROPERTIES OF METALLIC PLUTONIUM
NATURE 173 (1954) P.534-5 (NSA 8-3316)
KEYWORDS 2 6 20 27
CATIONS P

423 LORD W.B.H. 1963-A
SOME PHYSICAL PROPERTIES OF PLUTONIUM
MET. REV. 8 (1963) P.277-310 (NSA 18-2255)
KEYWORDS 2 6 20 21
CATIONS P

** 278 **

LORD W.B.H. - SEE NR 50

424 LOREE T.R. 1971-A
PINNICK H.T.
THE HALL EFFECT IN ORIENTED ALPHA-PU
J. NUCL. MATER. 38 (1971) P.143-9 (NSA 25-17317)
KEYWORDS 2 5 20
CATIONS P

LOUIE J. - SEE NR 211

425 LOWTHIAN C.S. 1959-A
TRANSIENT TEMPERATURES IN A URANIUM ROD
J. NUCL. ENERGY PT.A - REACTOR SCIENCE 10 (1959) P.95-103 (NSA 14-1864)
KEYWORDS 1 3 18 W
CATIONS U

426 LUCKS C.F. 1958-A
DEEM H.W.
THERMAL CONDUCTIVITY OF URANIUM AND UO2
RMI-1286 (1958) P.7 (NSA 13-749)
KEYWORDS 2 6 20 W
CATIONS U

LUCKS C.F. - SEE NR 172 173 175 176

427 LUENGO C.A. 1972-A
COTIGNOLA J.M. SERENI J.G. SWEEDLER A.R.
MAPLE M.B. HUBER J.G.
LOW TEMPERATURE SPECIFIC HEAT OF THU
SOLID STATE COMMUN. 10 (1972) P.459-63 (NSA 26-26091)
KEYWORDS 2 5 21
CATIONS V

LUNT H.E. - SEE NR 699

LUSK E.C. - SEE NR 173

LUSTMAN B. - SEE NR 87

LVOV S.N. - SEE NR 277 278

428 MA P.M. 1965-A
TRANSIENT TEMPERATURE DISTRIBUTIONS IN END CAPS OF PLATE FUEL
ELEMENTS
NUCL. STRUCT. ENG. 2 (1965) P.48-54 (NSA 19-3814)
KEYWORDS 1 3 6 18 29 W
CATIONS U

MAITA J.P. - SEE NR 606

MAJOR K.G. - SEE NR 106

MAJORS H. JR. - SEE NR 694

429 MAKHOVA V.A. 1972-A
POMOZOV L.I.
DENSITY AND THERMAL EXPANSION OF URANIUM ALLOYS (IN RUSSIAN)
ATOMNAYA ENERGIYA 33 (1972) P.921-4 (NSA 27-7893)
KEYWORDS 2 6 27
CATIONS U ADDITIVES ZR NB MO

430 MAKIN S.M. 1953-A
HUNTER P.
DETERMINATION OF THE COEFFICIENT OF LINEAR THERMAL EXPANSION
OF METALS AT T DEG C
ZPP(C)/TN-20 (1953) 13P. (NSSA 13-16222)
KEYWORDS 2 6 27
CATIONS U

MAKIN S.V. - SEE NR 69

MALKO P.I. - SEE NR 277 278

MANSER W.C. - SEE NR 564

MAPLE M.B. - SEE NR 427

431 MARCH L.L. JR. 1951-A
KEELER J.R.
THE TECHNOLOGY OF THORIUM
RMI-76 (1951) P.14-7 (NSA 11-7632)
KEYWORDS 2 6 20 21 22 26 27 30 W
CATIONS T

MARDEN J.W. - SEE NR 542

432 MARDON P.G. 1953-A
ROBERTSON J.A.L. BALL J.G.
AN APPROXIMATE DETERMINATION OF THE SPECIFIC HEAT OF ALPHA
PLUTONIUM
AFRE-M/R 1181 (1953) 8P. (NSA 11-4447)
KEYWORDS 2 6 21
CATIONS P

433 MARDON P.G. 1961-A
ROBERTSON J.A.L.
ELECTRICAL RESISTIVITY
PROC. 2ND INT. CONF. ON PLUTONIUM METALLURGY (GRENOBLE).
PLUTONIUM 1960 (1961) P.142-4 (EDS.) GRISON E., LORD W.B.H.,
FLOWER R.D., (NSA 16-5748)
KEYWORDS 2 6 20
CATIONS P

434 MARDON P.G. 1961-B
ROBERTSON J.A.L.
SPECIFIC HEAT
PROC. 2ND INT. CONF. ON PLUTONIUM METALLURGY (GRENOBLE).
PLUTONIUM 1960 (1961) P.145 (EDS.) GRISON E., LORD W.B.H.,
FLOWER R.D., (NSA 16-5748)
KEYWORDS 2 6 21
CATIONS P

MARDON P.G. - SEE NR 49 51 227 228 391 687

435 MARKWORTH A.J. 1969-A
BASIC STUDIES OF IRRADIATION EFFECTS IN FUEL MATERIALS -
METALS
REACTOR MATER. 12 (1969) P.83-4 (NSA 23-45989) (NSA 23-45988)
KEYWORDS 3 4 6 12 20 27 30
CATIONS U

436 MARPLES J.A.C. 1970-A
HOUGH A. MORTIMER M.J. SMITH A.
LEE J.A.
LENGTH CHANGES IN THE ACTINIDE METALS DUE TO SELF-IRRADIATION
DAMAGE AT 4K
PROC. 4TH INT. CONF. ON PLUTONIUM AND OTHER ACTINIDES (SANTA
FE). NUCLEAR METALLURGY VOL. 17 PART II (1970) P.623-34 (NSA
25-11468)
KEYWORDS 2 5 17 27
CATIONS P X

437 MARPLES J.A.C. 1970-B
EFFECT OF ALLOYING ADDITIONS OF PLUTONIUM AND NEPTUNIUM ON THE
LATTICE PARAMETERS OF ALPHA-URANIUM BETWEEN 4 AND 300K
J. PHYS. CHEM. SOLIDS 31 (1970) P.2421-30 (NSA 25-14452)
KEYWORDS 2 5 16 27
CATIONS U X M ADDITIVES ME

438 MARPLES J.A.C. 1971-A
MORTIMER M.J.
THE LENGTH CHANGES IN ALPHA-PLUTONIUM DURING SELF-IRRADIATION
DAMAGE BELOW 4.2K
PHYS. LETT. A 34 (1971) P.242-3 (NSA 25-22120)
KEYWORDS 2 5 11 17 27
CATIONS P

439 MARPLES J.A.C. 1972-A
HALL R.O.A.
LENGTH CHANGES IN BETA-PLUTONIUM DUE TO SELF-IRRADIATION
DAMAGE AT 4K
J. NUCL. MATER. 42 (1972) P.212-6 (NSA 26-12720)
KEYWORDS 2 5 17 27
CATIONS P

MARPLES J.A.C. - SEE NR 300 398 687

MARTIN D.J. - SEE NR 400

MARTIN J.J. - SEE NR 598 600

440 MARTIN R.L. 1966-A
THORIUM
REACTOR MATER. 9 (1966) P.155 (NSA 21-15796) (NSA 21-15795)
KEYWORDS 2 6 20 30 W
CATIONS T

MATLOCK D.K. - SEE NR 264

441 MATSON L.K. 1963-A
MOODY J.W. HIMES R.C.
PREPARATION AND PROPERTIES OF SOME URANIUM SELENIDES AND
TELLURIDES
J. INORG. NUCL. CHEM. 25 (1963) P.795-800 (NSA 17-28857)
KEYWORDS 2 6 20 26
CATIONS U ADDITIVES ME

442 MATTHIAS B.T. 1967-A
ZACHARIASEN W.H. WEBB G.W. ENGELHARDT J.J.
MELTING-POINT ANOMALIES
PHYS. REV. LETT. 18 (1967) P.781-4 (NSA 21-26825)
KEYWORDS 1 2 6 26
CATIONS U

443 MCCREIGHT L.R. 1952-A
THERMAL EXPANSION MEASUREMENTS OF SIX FUEL MATERIALS
KAPL-M-LRM-7 (1952) 10P. (NSA 11-9743)
KEYWORDS 2 6 27
CATIONS U ADDITIVES ZR MG

444 MCCREIGHT L.R. 1952-B
THERMAL CONDUCTIVITY DATA FOR SOME NUCLEAR FUELS
TID-10062 (1952) 19P. (NSA 12-947)
KEYWORDS 2 6 11 16 30 W
CATIONS U ADDITIVES ZR MG

445 MCCREIGHT L.R. 1952-C
THERMAL CONDUCTIVITY DATA FOR SOME NUCLEAR FUELS
KAPL-822 (1952) 33P. (NSA 12-947)
KEYWORDS 2 6 11 16 30 W
CATIONS U ADDITIVES ZR MG

446 MCCREIGHT L.R. 1954-A
THE PHYSICAL PROPERTIES OF U-BE ALLOYS
KAPL-M-LRM-12 (1954) 6P. (NSA 11-13092)
KEYWORDS 2 6 W
CATIONS U ADDITIVES BE

MCCULLOUGH H.M. - SEE NR 564

** 280 **

** 281 **

MCELROY D.L. - SEE NR 268

447 MCGEARY R.K. 1951-A
DILATOMETRIC INVESTIGATION OF ZIRCONIUM, ZIRCONIUM-URANIUM,
ZIRCONIUM-OXYGEN, AND ZIRCONIUM-NITROGEN ALLOYS
WAPD-36 (1951) 26P.
KEYWORDS 2 6 16 27
CATIONS U
ADDITIVES ZR

448 MCGEARY R.K. 1958-A
DILATOMETRIC INVESTIGATION OF ZIRCONIUM, ZIRCONIUM-URANIUM,
ZIRCONIUM-OXYGEN, AND ZIRCONIUM-NITROGEN ALLOYS
TID-5061 VOL.1 (1958) P.419-37 (NSA 12-17142) (NSA 12-17174)
KEYWORDS 2 6 15 27
CATIONS U
ADDITIVES ZR

MCGEARY R.K. - SEE NR 98 99

449 MCINTOSH A.R. 1958-A
HEAL T.J.
HIGH TEMPERATURE PROPERTIES OF URANIUM AND ITS ALLOYS
PROC. 2ND INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 6
(1958) GENEVA P.419-25 (A/CONF.15/P/49) (NSA 13-6767) (NSA 14-
1799)
KEYWORDS 2 6 16 W
CATIONS U
ADDITIVES ME

450 MCKEE J.M. JP. 1953-A
THERMAL CONDUCTIVITY OF URANIUM-CHROMIUM AND URANIUM-IRON
EUTECTIC ALLOYS
AEC-4059 (1953) 26P. (NDA-14-12) (NSA 10-5272)
KEYWORDS 2 6 21 W
CATIONS U
ADDITIVES CR FE

451 MCKEE W.D. 1957-A
SNYDER M.J.
PREPARATION, FABRICATION, AND PHYSICAL PROPERTIES
RMI-1176 (1957) P.59-60 (NSA 14-21880)
KEYWORDS 2 6 16 27
CATIONS U
ADDITIVES AL SI

MCKEIN H.J. - SEE NR 242

452 MCWHAN D.B. 1967-A
CUNNINGHAM R.B. WALLMANN J.C.
CRYSTAL STRUCTURE, THERMAL EXPANSION AND MELTING POINT OF
AMERICIUM METAL
J. INORG. NUCL. CHEM. 24 (1967) P.1025-38 (NSA 17-19910)
KEYWORDS 2 6 26 27
CATIONS X

453 MEADEN G.T. 1961-A
LOW TEMPERATURE PROPERTIES OF TRANSURANIC AND OTHER HEAVY
METALS. A STUDY OF THE ELECTRICAL RESISTIVITY AND
THERMOELECTRIC POWER OF THORIUM, URANIUM, NEPTUNIUM AND
PLUTONIUM
THESIS (UNIV. OF OXFORD) (1961) 243P.
KEYWORDS 1 2 5 20
CATIONS U P T X

454 MEADEN G.T. 1962-A
LEE J.A.
THE THERMOELECTRIC POWERS OF THE ACTINIDE METALS AT LOW
TEMPERATURES
CRYOGENICS 2 (1962) P.1A2 (NSA 16-15290)
KEYWORDS 2 5 20
CATIONS P X

455 MEADEN G.T. 1963-A
ELECTRONIC PROPERTIES OF THE ACTINIDE METALS AT LOW
TEMPERATURES
PROC. ROY. SOC. (LONDON), SER.A 276 (1963) P.553-70 (NSA 18-
7242)
KEYWORDS 2 5 20
CATIONS U P T X

456 MEADEN G.T. 1964-A
SHIGI T.
SEARCH FOR SUPERCONDUCTIVITY IN NEPTUNIUM AND PLUTONIUM USING
A LIQUID HELIUM-3 CRYOSTAT
CRYOGENICS 4 (1964) P.90-2 (NSA 18-26473)
KEYWORDS 2 5 20
CATIONS P X

MEADEN G.T. - SEE NR 280 387 388 389 390 396

457 MEECHAN C.J. 1955-A
UNUSUAL EFFECTS ON THE ELECTRICAL RESISTIVITY RECOVERY OF
PROTON-DEUTERON IRRADIATED URANIUM
NAA-SR-1286 (1955) P.25-30 (NSA 11-7889)
KEYWORDS 2 6 17 20
CATIONS U

458 MEECHAN C.J. 1955-B
RECOVERY OF ELECTRICAL RESISTIVITY OF COLD WORKED THORIUM
NAA-SR-MEMO-1522 (1955) 3P. (NSA 17-16651)
KEYWORDS 2 6 17 20
CATIONS T

459 MEISSNER W. 1930-A
VOIGT R.
MEASUREMENTS AT LIQUID HELIUM TEMPERATURES - XI. RESISTIVITY
OF PURE METALS AT LOW TEMPERATURES (IN GERMAN)
ANN. PHYS. LPZ. 7 (1930) P.892-936
KEYWORDS 2 5 20
CATIONS U T

460 MENDELSSOHN K. 1952-A
ROSENBERG H.M.
THE THERMAL CONDUCTIVITY OF METALS AT LOW TEMPERATURES. II -
THE TRANSITION ELEMENTS
PROC. ROY. SOC. (LONDON), SER.A 65 (1952) P.388-94
KEYWORDS 2 5 W
CATIONS U

461 MENDELSSOHN K. 1961-A
LOW-TEMPERATURE RESEARCH ON TRANSURANIC METALS
ADVANCES IN CRYOGENIC ENGINEERING 6 (1961) P.622-6 (ED.)
TIMMERHAUS K.D. (NSA 15-18622)
KEYWORDS 2 5 20 30
CATIONS P X

462 MENDELSSOHN K. 1965-A
PLUTONIUM AND THE ACTINIDE METALS
SCI. J. 1 (1965) P.73-8 (NSA 20-7604)
KEYWORDS 2 5 6 17 20 30
CATIONS U P T X

463 MENDELSSOHN K. 1969-A
PROPERTIES OF TRANSURANIC METALS
CONF-691208-(VOL.1) (1969) P.53-61 (NSA 24-39620) (NSA 24-
40664)
KEYWORDS 2 5 17 20 21 30
CATIONS U P T X

464 MENDELSSOHN K. 1970-A
PROPERTIES OF TRANSURANIC METALS
ACTA PHYS. POL. (A) 38 (1970) P.459-66 (NSA 25-6866)
KEYWORDS 2 5 17 20 21 30
CATIONS P

MENDELSSOHN K. - SEE NR 271 272 348 387 389 392 393
- SEE NR 394 395 397 398 399 400 401

465 MEYER R.D. 1970-A
LEBLANC J.G.
NEGATIVE THERMAL EXPANSION IN U-ZR-H REACTOR FUEL
TRANS. AMER. NUCL. SOC. 13 (1970) P.2-3 (NSA 24-32496)
KEYWORDS 2 6 27
CATIONS U
ADDITIVES H ZR

MILLER C.F. - SEE NR 628

MILLER G.H. - SEE NR 629 630 631

MILLER J. - SEE NR 9

466 MINER W.N. 1967-A
ELLIOTT R.O.
ANNEALING OF SELF-IRRADIATION INDUCED DEFECTS IN ALPHA
PLUTONIUM STORED AT 87K
J. NUCL. MATER. 23 (1967) P.115-7 (LA-DC-8684) (NSA 21-32939)
KEYWORDS 2 5 17 20
CATIONS P

467 MINER W.N. 1967-B
SCHONFELD F.W.
PHYSICAL PROPERTIES
PLUTONIUM HANDBOOK. A GUIDE TO THE TECHNOLOGY VOL.1 (1967)
P.31-57 (NSA 22-2627) (NSA 22-2087)
KEYWORDS 2 6 16 20 21 27 30
CATIONS P

MINER W.N. - SEE NR 140 150 208 294 350 554

468 MITKINA E.A. 1959-A
EXPERIMENTAL DETERMINATION OF TRUE SPECIFIC HEATS OF URANIUM,
THORIUM, AND OTHER METALS (IN RUSSIAN)
ATOMNAYA ENERGIYA 7 (1959) P.163-5 (NSA 13-20208)
KEYWORDS 2 6 21
CATIONS U T

469 MITKINA E.A. 1959-B
EXPERIMENTAL DETERMINATION OF TRUE SPECIFIC HEATS OF URANIUM,
THORIUM, AND OTHER METALS
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KEYWORDS 2 6 21
CATIONS U T

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KEYWORDS 2 6 21
CATIONS U T

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471 MOCHALOV G.A. 1968-A
TAGIROVA R.K. TEREKHOV G.I. IVANOV O.S.
DETERMINATION OF THE LINEAR EXPANSION UP TO 1100C AND THE
DENSITY OF SOME URANIUM ALLOYS AND COMPOUNDS (IN RUSSIAN)
PHYSICAL CHEMISTRY OF ALLOYS AND REFRACTORY COMPOUNDS OF
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KEYWORDS 2 6 27
CATIONS U

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TAGIROVA R.K. TEREKHOV G.I. IVANOV O.S.
DETERMINATION OF THE LINEAR EXPANSION UP TO 1100C AND THE
DENSITY OF SOME URANIUM ALLOYS AND COMPOUNDS
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KEYWORDS 2 6 27
CATIONS U

MONTENYOHL V.I. - SEE NR 564

MONTGOMERY H. - SEE NR 490

MONTI H. - SEE NR 3 4

** 282 **

MOODY J.W. - SEE NR 441

487 NAKATA M.M. 1968-A
SMITH C.A. WEEKS C.C.
PHASE STUDIES ON FUELED ZIRCONIUM HYDRIDE
PROC. 7TH CONF. ON THERMAL CONDUCTIVITY (1967) GAITHERSBURG.
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KEYWORDS 2 15 20 27 ADDITIVES H ZR
CATIONS U

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HIGH TEMPERATURE HEAT CONTENT DATA FOR THREE SOLID SUBSTANCES
A-502 (1942) 8P. (NSA 10-2448)
KEYWORDS 2 6 21
CATIONS U

NAKATA M.M. - SEE NR 690

474 MOORE G.E. 1947-A
KELLEY K.K.
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URANIUM TRIOXIDE
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KEYWORDS 2 6 7 11 15 21
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TO 850C
JAP. J. APPL. PHYS. 7 (1968) P.682 (NSA 22-31946)
KEYWORDS 2 6 21 W
CATIONS U

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MOORE J.P. - SEE NR 268

MORIN J. - SEE NR 507 508

489 NAZARE S. 1970-A
ONDRACEK G. THUEMMLER F.
UAL3-AL AS DISPERSION FUEL FOR HIGH-FLUX REACTORS (IN GERMAN)
KFK-1252 (1970) P.54-61 (NSA 25-8846)
KEYWORDS 2 6 11 14 27
CATIONS U ADDITIVES AL

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KEYWORDS 2 5 17 20 21 W
CATIONS U P X

490 NELLIS W.J. 1970-A
PRODSKY M.B. MONTGOMERY H. PELLIS G.P.
VIRTUAL-BOND-STATE FORMATION IN PD-U ALLOYS
PHYS. REV. (R) 2 (1970) P.4590-6 (NSA 25-11989)
KEYWORDS 1 2 5 20 21
CATIONS U ADDITIVES ME

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476 MOSLEY W.C. 1970-A
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DP-MS-70-44 (1970) 21P. (CONF-701116-1) (NSA 25-13779)
KEYWORDS 2 6 17 27
CATIONS X ADDITIVES AL

NELLIS W.J. - SEE NR 39 290

NELSON H. - SEE NR 170

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NELSON R.D. - SEE NR 350

NEMCHENKO V.F. - SEE NR 277 278

NEVITT M.V. - SEE NR 728 729 730 731 732 733

477 MOUND LABORATORY 1966-A
HEAT CAPACITY AND LATENT HEATS OF TRANSFORMATION OF DELTA,
DELTA-PRIME AND EPSILON PLUTONIUM
TID-11295 (PT.1) (5TH ED.) (1966) P.XVII-2 (NSA 22-19078)
KEYWORDS 2 6 21
CATIONS P

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KEYWORDS 2 20 21 27 30 W
CATIONS U

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DEVELOPMENT OF A HIGH TEMPERATURE DILATOMETER
MLM-1402 (1967) P.26-31 (NSA 22-2612)
KEYWORDS 2 6 9 27
CATIONS P ADDITIVES CE

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PLUTONIUM
MLM-1402 (1967) P.32-5 (NSA 22-2612)
KEYWORDS 2 6 27
CATIONS P

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MATERIALS FOR NUCLEAR ENGINEERS (1960) P.47-51 (EDS.) MCINTOSH
A.P., HEAL T.J., (NSA 15-11479) (NSA 15-11478)
KEYWORDS 2 6 30 W
CATIONS U

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TEMPERATURE MEASUREMENT ON THE VIPER PULSED REACTOR
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KEYWORDS 3 6 9 18 W
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UHRIG R.E.
PROPERTIES OF UNALLOYED THORIUM - THERMAL EXPANSION
ISC-208 (1952) P.12-8 (NSA 10-4309)
KEYWORDS 2 6 27
CATIONS T

493 NILSON L.F. 1900-A
SPECIFIC HEAT AND VALENCE OF THORIUM (IN GERMAN)
BER. DEUT. KERAM. GES. 16 (1883) P.153-63
KEYWORDS 2 6 21
CATIONS T

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494 NOE A.R. 1959-A
ELDRIDGE E.A. DEEM H.W. GERDS A.F.
PHYSICAL PROPERTIES
BMI-1313 (1959) P.15-23 (NSA 13-8908)
KEYWORDS 2 6 11 20 27 W
CATIONS U ADDITIVES R

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PAUER A.A. DICKERSON R.F.
URANIUM ALLOYS FOR HIGH-TEMPERATURE APPLICATION
RMI-1176 (1957) P.31-3 (NSA 14-21880)
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URANIUM BETWEEN 100 AND 800C
AERE-W/R-1016 (1952) 19P. (NSA 7-1546)
KEYWORDS 2 6 21
CATIONS U

NOTLEY M.J.P. - SEE NR 521 522

483 MURRAY F.H. 1944-A
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SOLID ALUMINIUM CAP
CP-1580 (1944) 11P. (NSA 10-10947)
KEYWORDS 1 3 6 29 W
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NUCLEAR ENGINEERING DATA SHEET NO.1 URANIUM
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CATIONS U

O ROYLE D.R. - SEE NR 92 93 350

484 MURRAY J.R. 1958-A
THE PREPARATION, PROPERTIES AND ALLOYING BEHAVIOUR OF THORIUM
AERE-W/R 2242 (1958) P.5-6 (NSA 12-6604)
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CATIONS T

ODIE M.D. - SEE NR 116

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CATIONS U ADDITIVES H ZR

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KEYWORDS 2 6 7 21 26 30
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KEYWORDS 2 6 11 20 W
CATIONS U ADDITIVES H ZR

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OLIVIER D.S. - SEE NR 46

** 284 **

** 285 **

- 498 OLSEN C.E. 1962-A
ELLIOTT R.O. SANDENAW T.A.
EFFECTS OF IMPURITIES AND SELF-IRRADIATION ON THE ELECTRICAL
RESISTIVITY OF ALPHA-PHASE PLUTONIUM BELOW 300K
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- 499 OLSEN C.E. 1962-B
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KEYWORDS 2 5 16 20
CATIONS P X
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- 502 ONDRACEK G. 1965-A
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OF INTERMETALLIC COMPOUNDS OF URANIUM (IN GERMAN)
Z. METALLK. 56 (1965) P.498-502 (NSA 20-873)
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CATIONS U ADDITIVES AL ME
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- OSPORNE D.W. - SEE NR 244
- 503 OTS 1958-A
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GENERAL 1942-1958
CIP-365 (1958) 16P. (NSA 13-10120)
KEYWORDS 20 30
CATIONS U
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- PARREN T.R. - SEE NR 98 99
- 504 PAGE D.F. 1965-A
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KEYWORDS 2 5 6 16 20
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- 505 PAGES M. 1962-A
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KEYWORDS 2 20 21
CATIONS X
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- 507 PASCAL J. 1963-A
MORIN J. LACOMBE P.
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CATIONS U
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PRINCIPAL RESISTIVITY CHANGES IN THE (100), (010) AND (001)
DIRECTIONS OF ALPHA URANIUM WITH TEMPERATURE (IN FRENCH)
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CATIONS U
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CATIONS P
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- 511 PAYNTON W.C. 1953-A
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SOME PHYSICAL PROPERTIES OF URANIUM-CHROMIUM AND URANIUM-IRON
EUTECTIC ALLOYS
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CATIONS U ADDITIVES CR FE
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750C
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KEYWORDS 2 6 27
CATIONS U ADDITIVES AL
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THERMAL CONDUCTIVITY OF NICKEL AND URANIUM
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KEYWORDS 2 6 W
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CANNING MATERIAL
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KEYWORDS 1 2 6 8 W
CATIONS U
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- 515 PENKIN N.P. 1957-A
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KEYWORDS 2 6 22
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CATIONS U
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KEYWORDS 2 5 16 20
CATIONS T ADDITIVES ME
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CATIONS U T
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- PINNICK H.T. - SEE NR 424
- 520 PLOTT R.F. 1942-A
RAETH C.H.
HEAT CONDUCTIVITIES
CE-236 (1942) P.2
KEYWORDS 2 6 11 W
CATIONS U
- POBERESKIN M. - SEE NR 173

** 287 **

** 286 **

QUERE Y. - SEE NR 120 321

RABINOWITCH E. - SEE NR 329

521 POOLE D.M. 1960-A
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HODKIN E.N. NOTLEY M.J.F.
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KEYWORDS 2 6 16 W
CATIONS P ADDITIVES CE

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MEASUREMENT OF THE THERMAL DIFFUSIVITY OF A PU ALLOY
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CATIONS P ADDITIVES GA

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CATIONS T

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LORENZ NUMBER OF PLUTONIUM METAL
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KEYWORDS 2 6 20 W
CATIONS P

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CATIONS U T

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CATIONS U

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CATIONS U

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PROTSENKO L.N. - SEE NR 364

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KEYWORDS 2 4 20 26
CATIONS T ADDITIVES MG

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KEYWORDS 2 7 20 26
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CATIONS U

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MARDEN J.W.
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KEYWORDS 2 6 15 16 27
CATIONS M ADDITIVES ZR TI

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RESISTIVITY CHANGES IN URANIUM IRRADIATED AT LOW TEMPERATURES
(IN FRENCH)
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KEYWORDS 4 5 17 20
CATIONS U

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THERMAL EXPANSION
ANL-7000 (1965) P.5-7 (NSA 19-44587) (NSA 19-44586)
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KEYWORDS 2 6 21
CATIONS P ADDITIVES ME CE

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POINT DEFECTS IN METALS (IN FRENCH)
COLLECTION DE MONOGRAPHIES DE PHYSIQUE 5 (1967) P.236 (ED.)
MASSON & CIE
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KEYWORDS 2 6 26 30 W
CATIONS U ADDITIVES AL

547 RIDDLE J.R. 1961-A
THERMAL EXPANSION OF URANIUM-10 O/O MOLYBDENUM ALLOY
ORNL-3160 (1961) P.129 (NSA 15-29716)
KEYWORDS 2 6 16 27
CATIONS U ADDITIVES MO

** 288 **

- RIZZUTO C. - SEE NR 147
- ROBERTSON J.A.L. - SEE NR 49 51 432 433 434
- ROBILLARD A. - SEE NR 607
- ROBOFF S.B. - SEE NR 292

548 ROCHER Y.A. 1960-A
 FRIEDEL J.
 PHENOMENOLOGICAL ASPECT OF SOME PHYSICAL PROPERTIES OF PLUTONIUM AND PLUTONIUM-ALUMINIUM SOLID SOLUTIONS
 AEC-TR-4274 (1960) 14P. (NSA 15-11613)
 KEYWORDS 1 2 5 6 16 20 27
 CATIONS P ADDITIVES AL

549 ROCHER Y.A. 1961-A
 FRIEDEL J.
 PHENOMENOLOGICAL ASPECTS AND SOME PHYSICAL PROPERTIES OF PU AND OF DELTA PLUTONIUM-ALUMINIUM SOLID SOLUTIONS (IN FRENCH)
 J. PHYS. CHEM. SOLIDS 18 (1961) P.196-202 (NSA 15-11613)
 KEYWORDS 1 2 5 16 20 27
 CATIONS P ADDITIVES AL

550 ROCHER Y.A. 1961-B
 EFFECT OF NONMAGNETIC SUBSTITUTION IMPURITIES ON MAGNETIC COUPLES, APPLICATION TO ELECTRICAL RESISTIVITY (IN FRENCH)
 J. DE PHYS. ET LE RADIUM 22 (1961) P.367-376 (NSA 15-11470)
 KEYWORDS 1 2 15 20
 CATIONS P ADDITIVES AL

551 ROCHER Y.A. 1961-C
 EFFECT OF NONMAGNETIC SUBSTITUTION IMPURITIES ON MAGNETIC COUPLES, APPLICATION TO ELECTRICAL RESISTIVITY
 AEC-TR-4430 (1961) 22P. (NSA 15-11470)
 KEYWORDS 1 2 15 20
 CATIONS P ADDITIVES AL

552 ROCHER Y.A. 1962-A
 STUDY OF THE ELECTRONIC STRUCTURE OF RARE EARTH METALS (IN FRENCH)
 ADVAN. IN PHYS. 11 (1962) P.233-79 (NSA 17-6701)
 KEYWORDS 1 5 6 20
 CATIONS P

553 ROCHER Y.A. 1962-B
 THE STUDY OF THE ELECTRONIC STRUCTURE OF THE RARE-EARTH METALS
 AEC-TR-6378 (1962) P.27-35 (NSA 17-6701)
 KEYWORDS 1 5 6 20
 CATIONS P

554 ROGERS R.A. 1952-A
 ATKINS D.F. LEVINGSTON H.L. MINER W.N.
 PARKS J.A.
 ALLOYS OF THORIUM - ELECTRICAL RESISTIVITY
 ISC-200 (1952) P.56-67 (NSA 11-8506)
 KEYWORDS 2 6 20
 CATIONS T ADDITIVES MO CR TI

555 ROGERS R.A. 1952-B
 ATKINS D.F.
 THORIUM ALLOYS - ELECTRICAL RESISTIVITY
 ISC-203 (1952) P.67-79 (NSA 11-8507)
 KEYWORDS 2 6 16 20
 CATIONS T ADDITIVES ME

556 ROGERS R.A. 1952-C
 LEVINGSTON H.L.
 ALLOYS OF THORIUM - ELECTRICAL RESISTIVITY
 ISC-208 (1952) P.29/31 (NSA 10-4309)
 KEYWORDS 2 6 20
 CATIONS T

557 ROGERS R.A. 1952-D
 LEVINGSTON H.L.
 ALLOYS OF THORIUM, THERMAL EXPANSION - ELECTRICAL RESISTIVITY
 ISC-251 (1952) P.21-32 (NSA 11-8509)
 KEYWORDS 2 6 20 27
 CATIONS T

ROGERS R.A. - SEE NR 409 561 700

558 POLL I.R. 1962-A
 THORIUM AND ITS ALLOYS
 NUCLEAR REACTOR FUEL ELEMENTS, METALLURGY AND FABRICATION (1962) P.153-5 (ED.) KAUFMANN A.R. (NSA 16-16659)
 KEYWORDS 2 6 20 W
 CATIONS T

ROVER R.H. - SEE NR 182

ROSE P.L. - SEE NR 264

559 ROSENBERG H.M. 1955-A
 THE THERMAL CONDUCTIVITY OF METALS AT LOW TEMPERATURES
 PHIL. TRANS. ROY. SOC. LONDON, SER.A 933 VOL.247 (1955) P.441-97
 KEYWORDS 2 5 20 27 W
 CATIONS U

ROSENBERG H.M. - SEE NR 460

ROSSBERG R. - SEE NR 632

560 ROUGH F.A. 1958-A
 PLUTONIUM ALLOYS - URANIUM-PLUTONIUM-FISSIUM
 REACTOR CORE MATERIALS I NO.2 (1958) P.9-10
 KEYWORDS 2 6 27 30
 CATIONS M ADDITIVES FS

** 289 **

ROUGH F.A. - SEE NR 566 567 568 572

ROUX C. - SEE NR 317 535

ROY C. - SEE NR 535

RUMP R.B. - SEE NR 517

561 RUNION T.C. 1960-A
 ROGERS B.A. PAINE S.H.
 THORIUM
 REACTOR HANDBOOK (2ND ED.) VOL.1 MATERIALS (1960) P.211-26 (ED.) TIPTON C.R. JR. (NSA 14-21917)
 KEYWORDS 2 6 20 21 22 27 30 W

562 RUSSELL H.W. 1945-A
 NELSON H.R. GREENELL L.H.
 THERMAL EXPANSION OF THORIUM
 CT-2903 (1945) P.71-3
 KEYWORDS 2 6 27
 CATIONS T

563 RUSSELL H.W. 1945-B
 NELSON H.R. GREENELL L.H.
 PROGRESS REPORT ON THE PROPERTIES OF ALLOYS
 CT-2983 (1945) P.101 (NSA 11-8491)
 KEYWORDS 2 6 27
 CATIONS T

564 RYLE B.G. 1960-A
 CUTHBERT F.L. HUNTINGTON C.W. MANSER W.C.
 WUNDER G.W. EICKENBERRY H.M. PETTY W.G.
 KING R.E. MCCULLOUGH H.M. HUNTOON R.T.
 LLOYD L.T. MONTENYOHL V.I. BUSH S.H.
 URANIUM - 7.7 PHYSICAL AND MECHANICAL PROPERTIES OF URANIUM - 7.9 EFFECT OF IRRADIATION ON URANIUM
 REACTOR HANDBOOK (2ND ED.) VOL.1 MATERIALS (1960) P.111-23/35 (ED.) TIPTON C.R. JR. (NSA 14-21917)
 KEYWORDS 2 3 6 7 20 27 30 W
 CATIONS U

SAKAMOTO M. - SEE NR 286

565 SALLER H.A. 1951-A
 PREPARATION AND PROPERTIES OF THE ALUMINIUM-URANIUM ALLOYS
 TID-2501 (1951) P.9-12 (NSA 12-17281)
 KEYWORDS 2 6 16 W
 CATIONS U ADDITIVES AL

566 SALLER H.A. 1953-A
 ROUGH F.A. DICKERSON R.F.
 PREPARATION AND PROPERTIES OF THE EUTECTIC URANIUM-CHROMIUM ALLOY
 BMI-884 (1953) P.20 (NSA 11-7634)
 KEYWORDS 2 6 21
 CATIONS U ADDITIVES CR

567 SALLER H.A. 1955-A
 ROUGH F.A. CHUBB W.
 URANIUM ALLOYS FOR SLUG-TYPE FUEL ELEMENTS
 BMI-1057 (DEL.) (1955) P.9-10 (NSA 12-1825)
 KEYWORDS 2 6 16 W
 CATIONS U ADDITIVES CR TI SI

568 SALLER H.A. 1955-B
 ROUGH F.A.
 THE PROPERTIES OF HIGH-URANIUM ALLOYS CONTAINING ZIRCONIUM OR CHROMIUM
 BMI-984 (1955) P.12-6 (NSA 11-8470)
 KEYWORDS 2 6 W
 CATIONS U ADDITIVES ZR CR

569 SALLER H.A. 1955-C
 URANIUM AND ITS ALLOYS
 AEC-3647 (1955) P.388-91 (NSA 9-6476)
 KEYWORDS 2 6 20 26 27 30 W
 CATIONS U

570 SALLER H.A. 1956-A
 DICKERSON R.F. BAUER A.A. DANIEL N.E.
 PROPERTIES OF A FISSIUM-TYPE ALLOY
 BMI-1123 (1956) P.20-6 (NSA 11-1124)
 KEYWORDS 2 6 16 W
 CATIONS U ADDITIVES FS

571 SALLER H.A. 1956-B
 PREPARATION, PROPERTIES, AND CLADDING OF ALUMINIUM-URANIUM ALLOYS
 PROGRESS IN NUCLEAR ENERGY, SERIES V - METALLURGY AND FUELS, VOL.1 (1956) P.535-43 (EDS.) FINNISTON H.M., HOWE J.P.,
 KEYWORDS 2 6 27 30 W
 CATIONS U ADDITIVES AL

572 SALLER H.A. 1956-C
 ROUGH F.A. CHUBB W.
 THE PROPERTIES OF URANIUM CONTAINING MINOR ADDITIONS OF CHROMIUM, SILICON, OR TITANIUM
 BMI-1068 (DEL.) (1956) P.12/19-27 (NSA 11-11695)
 KEYWORDS 2 6 16 20 27
 CATIONS U ADDITIVES ME

573 SALLER H.A. 1956-D
 PREPARATION, PROPERTIES AND CLADDING OF ALUMINIUM-URANIUM ALLOYS
 PROC. 1ST INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 7 (1956) P.214-20 (P/562) (A/CONF.8/9)
 KEYWORDS 2 6 15 27 30 W
 CATIONS U ADDITIVES AL

** 290 **

** 291 **

- 574 SANDENAW T.A. 1957-A
GIBNEY R.
THE ELECTRICAL RESISTIVITY AND THERMAL CONDUCTIVITY OF
PLUTONIUM METAL
LA-DC-3052 (1957) (NSA 12-13861)
KEYWORDS 2 6 20 W
CATIONS P
- 575 SANDENAW T.A. 1958-A
RESULTS OF MEASUREMENTS OF PHYSICAL PROPERTIES OF PLUTONIUM
METAL
AECU-4127 (1958) 12P. (NSA 13-13679)
KEYWORDS 2 5 20 30 W
CATIONS P
- 576 SANDENAW T.A. 1958-B
GIBNEY R.B.
THE ELECTRICAL RESISTIVITY AND THERMAL CONDUCTIVITY OF
PLUTONIUM METAL
J. PHYS. CHEM. SOLIDS 6 (1958) P.81-8 (NSA 12-13861)
KEYWORDS 2 6 20 W
CATIONS P
- 577 SANDENAW T.A. 1960-A
OLSEN C.E.
ELECTRICAL RESISTIVITY OF PLUTONIUM METAL BETWEEN 1.73 AND
299K
LA-2392 (1960) 15P. (NSA 14-18164)
KEYWORDS 2 5 20
CATIONS P
- 578 SANDENAW T.A. 1960-B
THE THERMAL EXPANSION OF PLUTONIUM METAL BELOW 300K
LA-2394 (1960) 23P. (NSA 14-16074)
KEYWORDS 2 5 27
CATIONS P
- 579 SANDENAW T.A. 1960-C
OLSEN C.E. GIBNEY R.B.
HEAT CAPACITY OF PLUTONIUM METAL BELOW 420K
LA-2398 (1960) 26P. (NSA 14-17067)
KEYWORDS 2 5 6 21
CATIONS P
- 580 SANDENAW T.A. 1960-D
HEAT CAPACITY, THERMAL EXPANSION AND ELECTRICAL RESISTIVITY OF
AN P A/O ALUMINIUM-PLUTONIUM (DELTA-PHASE STABILIZED) ALLOY
BELOW 300K
J. PHYS. CHEM. SOLIDS 16 (1960) P.329-36 (NSA 15-11661)
KEYWORDS 2 5 16 20 21 27
CATIONS P ADDITIVES AL
- 581 SANDENAW T.A. 1961-A
OLSEN C.E.
ELECTRICAL RESISTIVITY OF PLUTONIUM METAL BETWEEN 1.73K AND
299K
PROC. 2ND INT. CONF. ON PLUTONIUM METALLURGY (GRENOBLE),
PLUTONIUM 1960 (1961) P.59-66 (EDS.) GRISON E., LORD W.B.H.,
FOWLER R.D., (NSA 14-18164)
KEYWORDS 2 5 20
CATIONS P
- 582 SANDENAW T.A. 1961-B
OLSEN C.E. GIBNEY R.B.
HEAT CAPACITY OF PLUTONIUM METAL BELOW 420K
PROC. 2ND INT. CONF. ON PLUTONIUM METALLURGY (GRENOBLE),
PLUTONIUM 1960 (1961) P.66-79 (EDS.) GRISON E., LORD W.B.H.,
FOWLER R.D., (NSA 14-17067)
KEYWORDS 2 5 6 21
CATIONS P
- 583 SANDENAW T.A. 1961-C
THE THERMAL EXPANSION OF PLUTONIUM METAL BELOW 300K
PROC. 2ND INT. CONF. ON PLUTONIUM METALLURGY (GRENOBLE),
PLUTONIUM 1960 (1961) P.79-90 (EDS.) GRISON E., LORD W.B.H.,
FOWLER R.D., (NSA 14-16074)
KEYWORDS 2 5 27
CATIONS P
- 584 SANDENAW T.A. 1961-D
RESULTS OF MEASUREMENTS OF PHYSICAL PROPERTIES OF PLUTONIUM
METAL
THE METAL PLUTONIUM (1961) P.152-6 (EDS.) COFFINBERRY A.S.,
MINER W.N., (NSA 17-4983) (NSA 17-16550)
KEYWORDS 2 6 20 21 W
CATIONS P
- 585 SANDENAW T.A. 1962-A
EFFECTS OF SELF-INDUCED RADIATION DAMAGE ON THE LOW
TEMPERATURE HEAT CAPACITY OF A SPECIMEN OF ELECTRO-REFINED
HIGH PURITY PLUTONIUM
J. PHYS. CHEM. SOLIDS 23 (1962) P.1241-8 (NSA 17-429)
KEYWORDS 2 5 17 21
CATIONS P
- 586 SANDENAW T.A. 1965-A
HEAT-CAPACITY BEHAVIOR OF IMPURE NEPTUNIUM METAL BELOW 320K
J. PHYS. CHEM. SOLIDS 26 (1965) P.1075-8 (NSA 19-34714)
KEYWORDS 2 5 21
CATIONS X
- 587 SANDENAW T.A. 1970-A
GIBNEY R.B.
HEAT CAPACITY BEHAVIOR OF 242PU BETWEEN 10 AND 373K
PROC. 4TH INT. CONF. ON PLUTONIUM AND OTHER ACTINIDES (SANTA
FE), NUCLEAR METALLURGY VOL. 17 PART I (1970) P.68-77 (NSA 25-
113P5)
KEYWORDS 2 5 6 21
CATIONS P
- 588 SANDENAW T.A. 1971-A
GIBNEY R.B.
HEAT CAPACITY AND DERIVED THERMODYNAMIC FUNCTIONS OF 242PU
FROM 15 TO 373K
J. CHEM. THERMODYN. 3 (1971) P.85-95 (NSA 25-29831)
KEYWORDS 2 5 21
CATIONS P
- SANDENAW T.A. - SEE NR 258 259 499 500
- 589 SANDERSON P.D. 1961-A
HEAT TRANSFER FROM THE URANIUM FUEL TO THE MAGNOX CAN IN A
GAS-COOLED REACTOR
INTERNATIONAL DEVELOPMENTS IN HEAT TRANSFER (1961) P.53-64
ASME (NSA 16-13223)
KEYWORDS 2 6 8 W
CATIONS U
- SANECKI J.E. - SEE NR 93
- 590 SATOH T. 1973-A
KUMAGAI K.
THE SPECIFIC HEAT AND SUPERCONDUCTIVITY OF TH-Y AND TH-LA
ALLOYS
J. PHYS. SOC. JAP. 34 (1973) P.391-5
KEYWORDS 1 2 5 21
CATIONS T ADDITIVES Y
- 591 SAVAGE H. 1961-A
PROPERTIES OF URANIUM-FISSIUM ALLOYS
ANL-6330 (1961) P.9 (NSA 15-22692)
KEYWORDS 2 6 16 W
CATIONS U ADDITIVES ZR FS
- 592 SAVAGE H. 1962-A
HEAT CAPACITY STUDIES OF URANIUM-FISSIUM ALLOYS
ANL-6516 (1962) P.9-14 (NSA 16-30717)
KEYWORDS 2 6 21
CATIONS U ADDITIVES FS
- 593 SAVAGE H. 1963-A
SEIREL R.D.
HEAT CAPACITY STUDIES OF URANIUM AND URANIUM-FISSIUM ALLOYS
ANL-6702 (1963) 27P. (NSA 18-4239)
KEYWORDS 2 6 16 21
CATIONS U ADDITIVES FS
- 594 SAVAGE H. 1965-A
ENTHALPY OF THE U-10W/O PU-10W/O FZ ALLOY
ANL-7000 (1965) P.5 (NSA 19-44587) (NSA 19-44586)
KEYWORDS 2 6 15 21
CATIONS M ADDITIVES FS
- 595 SAVAGE H. 1967-A
HEAT CONTENT AND HEAT CAPACITY OF U-15W/O PU-10W/O ZR AND U-
15W/O PU -6W/O TI ALLOYS
ANL-7299 (1967) P.21-2 (NSA 22-43627) (NSA 22-43519)
KEYWORDS 2 6 21
CATIONS M ADDITIVES ZR TI
- 596 SAVAGE H. 1968-A
THE HEAT CONTENT AND SPECIFIC HEAT OF SOME METALLIC FAST-
REACTOR FUELS CONTAINING PLUTONIUM
J. NUCL. MATER. 25 (1968) P.249-59 (NSA 22-19538)
KEYWORDS 2 6 21
CATIONS M ADDITIVES FS
- SAVAGE H. - SEE NR 199 200 337 338 339 340 342
- SEE NR 343
- SAWYER H.F. - SEE NR 511
- 597 SCHEIBE H. 1963-A
STEINKOPFF H. QUAECK I. HUETTIG W.
FISSIONABLE AND FERTILE MATERIALS (IN GERMAN)
WERKSTOFFE DER KERntechnik (1963) P.13-6/66-9/148-9 (PUBL.)
VER DEUTSCHER VERLAG DER WISSENSCHAFTEN (NSA 19-22883)
KEYWORDS 2 6 27 30
CATIONS U
- 598 SCHEITTLER H.G. 1969-A
MARTIN J.J. SCHMIDT F.A. DANIELSON G.C.
THERMAL CONDUCTIVITY OF HIGH-PURITY THORIUM
PHYS. REV. 187 (1969) P.801-4 (NSA 24-10072)
KEYWORDS 2 5 20 W
CATIONS T
- 599 SCHEITTLER H.G. 1969-B
THERMAL CONDUCTIVITY OF THORIUM
IS-T-298 (THESIS) (1969) 46P. (NSA 23-27690)
KEYWORDS 1 2 5 20 W
CATIONS T
- 600 SCHEITTLER H.G. 1970-A
MARTIN J.J. SCHMIDT F.A. DANIELSON G.C.
THERMAL CONDUCTIVITY OF HIGH PURITY THORIUM
PROC. 9TH CONF. ON THERMAL CONDUCTIVITY (1970) AMES P.180
(CONF-691002) (NSA 24-10072) (NSA 24-19410)
KEYWORDS 2 5 20 W
CATIONS T
- 601 SCHIFFERS A. 1962-A
PLUTONIUM - ITS CHEMICAL AND PHYSICAL PROPERTIES (IN GERMAN)
CHEMIKER-ZTG 86 (1962) P.656-70 (NSA 17-23316)
KEYWORDS 2 6 20 30
CATIONS P
- 602 SCHIFFERS A. 1962-B
PLUTONIUM - ITS CHEMICAL AND PHYSICAL PROPERTIES
NP-TR-961 (1962) 69P. (NSA 17-18013)
KEYWORDS 2 6 20 30
CATIONS P
- SCHMIDT F.A. - SEE NR 598 600
- SCHNIZLEIN J.G. - SEE NR 343

** 292 **

** 293 **

603 SCHONFELD F.W. 1961-A
 PHYSICAL PROPERTIES (DISCUSSION ON PAPERS)
 PROC. 2ND INT. CONF. ON PLUTONIUM METALLURGY (GRENOBLE).
 PLUTONIUM 1960 (1961) P.91-108 (EDS.) GRISON E., LORD W.B.H.,
 FOWLER R.D., (NSA 16-4458)
 KEYWORDS 2 6 21 27
 CATIONS P

SCHONFELD F.W. - SEE NR 140 141 150 350 467

604 SCHUCH A.F. 1952-A
 LAQUER H.L.
 LOW TEMPERATURE THERMAL EXPANSION OF URANIUM
 PHYS. REV. 86 (1952) P.803 (NSA 6-2799)
 KEYWORDS 2 5 6 27
 CATIONS U

605 SCHUCH A.F. 1952-B
 LAQUER H.L.
 LOW TEMPERATURE THERMAL EXPANSION OF URANIUM
 AEC-D-3324 (1952) 4P. (LADC-1124) (NSA 6-2799)
 KEYWORDS 2 5 6 27
 CATIONS U

SCHULZE A. - SEE NR 203

SCHWARTZ C.M. - SEE NR 108 704

SCORBERG J.A. - SEE NR 319

SCOTT D.M. - SEE NR 218

SCOTT K.T. - SEE NR 118

606 SCOTT W.R. 1964-A
 JACCARINO V., WERNICK J.H., MAITA J.P.
 ELECTRONIC SPECIFIC HEAT ASSOCIATED WITH LOCALIZED STATES IN
 ACTINIDE METALS
 J. APPL. PHYS. 35 (1964) P.1092-3 (NSA 18-12687)
 KEYWORDS 2 5 20 21
 CATIONS V ADDITIVES ME

607 SEBILLEAU F. 1965-A
 ROBILLARD A.
 PHYSICAL METALLURGY OF PLUTONIUM
 GENIE ATOMIQUE TOME 4 VOL.1 (1965) P.A1-II-1 149-96
 KEYWORDS 2 6 20 21 27 W
 CATIONS P

SEGHEZZI H.D. - SEE NR 257

SEHGAL R.R. - SEE NR 126

SEIBEL R.D. - SEE NR 593

SEIFERT R.L. - SEE NR 691

SEMENCHENKOV A.T. - SEE NR 306 307

SERENI J.G. - SEE NR 427

SERGFVV G.A. - SEE NR 724

SHAW D. - SEE NR 256

608 SHEINHARTZ I. 1959-A
 MOYER K., ZAMBROW J.L.
 PHYSICAL AND MECHANICAL PROPERTIES OF YTTRIUM-URANIUM ALLOYS
 SCNC-793 (1959) P.29/37-40 (NSA 15-7777)
 KEYWORDS 2 6 15 27 W
 CATIONS U ADDITIVES Y

SHEINHARTZ I. - SEE NR 726 727

SHIGI T. - SEE NR 456

609 SIDLES P.H. 1951-A
 DANIELSON G.C.
 THERMAL CONDUCTIVITY OF METALS AT HIGH TEMPERATURES
 ISC-198 (1951) 24P. (NSA 6-2680)
 KEYWORDS 2 6 W
 CATIONS T

610 SIDLES P.H. 1953-A
 THERMAL DIFFUSIVITY OF METALS AT HIGH TEMPERATURES
 ISC-311 (1953) 36P. (NSA 7-3752)
 KEYWORDS 2 6 W
 CATIONS T

611 SIDLES P.H. 1954-A
 DANIELSON G.C.
 THERMAL DIFFUSIVITY OF METALS AT HIGH TEMPERATURES
 J. APPL. PHYS. 25 (1954) P.58-66 (ISC-311) (NSA 7-3752)
 KEYWORDS 2 6 W
 CATIONS T

SIDLES P.H. - SEE NR 158 159 167

612 SKIPPER R.G.S. 1958-A
 HEAT TRANSFER WITHIN REACTOR FUEL ELEMENTS
 G.E.C. AT. ENERGY REV. 1 (1958) P.141-6 (NSA 12-7500)
 KEYWORDS 1 8 W
 CATIONS U

613 SKIPPER R.G.S. 1958-B
 WOOTTON K.J.
 THERMAL RESISTANCE BETWEEN URANIUM AND CAN
 PROC. 2ND INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 7
 (1958) GENEVA P.684-90 (A/CONF.15/P/87) (NSA 13-6936)
 KEYWORDS 2 6 8 W
 CATIONS U

SKOCHDOPOLE R.E. - SEE NR 269

614 SMART D. 1960-A
 A METHOD SUITABLE FOR THE MEASUREMENT OF THE THERMAL
 DIFFUSIVITY OF IRRADIATED MATERIALS
 J. NUCL. MATER. 2 (1960) P.341-9 (NSA 15-9167)
 KEYWORDS 4 9 18 W
 CATIONS U

SMITH A. - SEE NR 436

615 SMITH A.W. 1955-A
 THE THERMAL CONDUCTIVITY OF A URANIUM SINGLE CRYSTAL
 NAA-SR-1286 (1955) P.24-5 (NSA 11-7889)
 KEYWORDS 2 6 9 10 W
 CATIONS U

SMITH C.A. - SEE NR 487 690

616 SMITH C.S. 1954-A
 METALLURGY AT LOS ALAMOS 1943-1945
 METAL PROGRESS 65 (1954) P.81-9 (NSA 17-16554)
 KEYWORDS 2 6 20 27 30
 CATIONS P

617 SMITH C.S. 1954-B
 PROPERTIES OF PLUTONIUM METAL
 PHYS. REV. 94 (1954) P.1068-9 (NSA 8-4297)
 KEYWORDS 2 6 20 27
 CATIONS P

618 SMITH C.S. 1961-A
 PLUTONIUM METALLURGY AT LOS ALAMOS DURING 1943-1945
 THE METAL PLUTONIUM (1961) P.26-35 (EDS.) COFFINBERRY A.S.,
 MINER W.N., (NSA 17-16554) (NSA 17-16550)
 KEYWORDS 2 6 20 27 30
 CATIONS P

619 SMITH J.F. 1958-A
 PHYSICAL CONSTANTS, CRYSTAL STRUCTURE, AND THERMODYNAMIC
 PROPERTIES
 THE METAL THORIUM (1958) P.133-47 (ED.) WILHELM H.A. (NSA 13-
 3064)
 KEYWORDS 2 7 20 21 26 27 30 W
 CATIONS T

620 SMITH K.F. 1951-A
 PHYSICAL PROPERTIES OF ZIRCONIUM AND ZIRCONIUM-URANIUM ALLOYS
 ANL-4464 (1951) P.27-8
 KEYWORDS 2 6 16 27 W
 CATIONS U ADDITIVES ZR

621 SMITH K.F. 1957-A
 THE THERMAL CONDUCTIVITY OF URANIUM
 ANL-5700 PART A (1957) 34P. (NSA 11-7155)
 KEYWORDS 2 5 6 30 W
 CATIONS U

622 SMITH K.F. 1957-B
 THE ELECTRICAL CONDUCTIVITY OF URANIUM
 ANL-5700 PART B (1957) 25P. (NSA 11-8246)
 KEYWORDS 2 6 20
 CATIONS U

623 SMOLUCHOWSKI R. 1962-A
 PROBLEM OF ANOMALOUS RESISTIVITY IN PLUTONIUM
 PHYS. REV. 125 (1962) P.1577-81 (NSA 16-13799)
 KEYWORDS 2 5 20
 CATIONS P ADDITIVES AL CE

624 SMOLUCHOWSKI R. 1964-A
 PERKINS C.D., ELGIN D.J.C., WARFIELD G.,
 JOHNSON W.C., WOODROW R.J.
 ANOMALOUS RESISTIVITY OF PLUTONIUM
 NYO-2680-1 (1964) P.23-4 (NSA 18-34280)
 KEYWORDS 1 2 5 20
 CATIONS P

SNYDER M.J. - SEE NR 451

625 SNYDER T.M. 1955-A
 KAMM P.L.
 SOME PHYSICAL CONSTANTS IMPORTANT IN THE DESIGN OF AN ATOMIC
 POWER PLANT
 C-192 (1955) 56P. (NSA 10-3680)
 KEYWORDS 2 6 9 20 27 30 W
 CATIONS U

SNYDER W.A. - SEE NR 42

SOKURSKY Y.N. - SEE NR 359 364 724

626 SOLENTE P. 1964-A
 LALLEMENT R.
 EFFECTS OF AUTO-IRRADIATION ON THE LENGTH OF A POLYCRYSTAL OF
 ALPHA PLUTONIUM (IN FRENCH)
 PHYS. LETT. 13 (1964) P.109-10 (NSA 19-4733)
 KEYWORDS 2 5 17 27
 CATIONS P

** 294 **

** 295 **

SOLETE P. 1965-A
CRYSTALLOGRAPHIC STUDY AND SELF-IRRADIATION EFFECTS ON
PLUTONIUM AT LOW TEMPERATURE (IN FRENCH)
CEA-R 2735 (1965) 57P. (NSA 19-34674)
KEYWORDS 2 5 17 27
CATIONS P

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SPEDDING F.H. 1952-A
MILLER C.F. FLYNN J.F.
RESEARCH ON UNALLOYED THORIUM - HEAT CAPACITY
ISC-200 (1952) P.579 (NSA 11-8506)
KEYWORDS 2 6 21
CATIONS T

9 SPEDDING F.H. 1952-B
FOX G.W. CARLSON J.F. DANIELSON G.C.
HUDSON D.E. JENSEN E.N. KELLER J.M.
KNIPP J.K. LASLETT L.J. LEGVOLD S.
MILLER G.H. ZAFFARANO D.J.
THERMAL CONDUCTIVITY OF METALS
ISC-283 (1952) P.13 (NSA 7-593)
KEYWORDS 3 6 W
CATIONS U

10 SPEDDING F.H. 1952-C
FOX G.W. CARLSON J.F. DANIELSON G.C.
HUDSON D.E. JENSEN E.N. KELLER J.M.
KNIPP J.K. LASLETT L.J. LEGVOLD S.
MILLER G.H. ZAFFARANO D.J.
THERMAL CONDUCTIVITY OF THORIUM
ISC-246 (1952) P.17 (NSA 6-5396)
KEYWORDS 2 6 W
CATIONS T

31 SPEDDING F.H. 1952-D
FOX G.W. CARLSON J.F. DANIELSON G.C.
HUDSON D.E. JENSEN E.N. KELLER J.M.
KNIPP J.K. LASLETT L.J. LEGVOLD S.
MILLER G.H. ZAFFARANO D.J.
THERMAL DIFFUSIVITY OF THORIUM AND NICKEL
ISC-301 (1952) P.15-6 (NSA 7-2318)
KEYWORDS 2 6 W
CATIONS T

SPINDEROVA V. - SEE NR 372

STARODUROV I.P. - SEE NR 277 278

32 STEER S. 1963-A
ROSSBERG R.
ELECTRIC RESISTANCE AND THERMOELECTRIC POWER OF URANIUM DURING
OXIDATION AT 0.001 TORR AND 200 TO 400C (IN GERMAN)
Z. METALLK. 54 (1963) P.483-9 (NSA 17-37561)
KEYWORDS 2 6 15 20
CATIONS U

33 STEER S. 1966-A
KNOLL W.
ELECTRIC CONDUCTIVITY AND THERMOELECTRIC POWER OF URANIUM
OXIDIZED AT 0.001 TORR AND 500 TO 800C (IN GERMAN)
J. NUCL. MATER. 20 (1966) P.133-40 (NSA 21-529)
KEYWORDS 2 6 15 20
CATIONS U

STEER F.A. - SEE NR 296

STEERS F.H.M. - SEE NR 104

STEINKOPFF H. - SEE NR 597

34 STEPHENS D.R. 1968-A
STROMBERG H.D. LILLEY E.W.
PHASE DIAGRAM, COMPRESSIBILITY AND RESISTANCE OF AMERICIUM AS
A FUNCTION OF PRESSURE
J. PHYS. CHEM. SOLIDS 29 (1968) P.815-21 (UCRL-70623) (NSA 22-
41047)
KEYWORDS 2 20 26
CATIONS X

35 STONE G.A. 1960-A
RESISTIVITY OF U-MO ALLOY FUEL MEASUREMENTS AND STANDARDS TEST
NO.2352
NAA-SR-MEMO-5150 (1960) 5P. (NSA 14-15985)
KEYWORDS 2 5 16 20
CATIONS U ADDITIVES MO

36 STORHOK V.W. 1958-A
FAUER A.A. DICKERSON R.F.
STUDY OF THE LIQUIDS IN ALUMINIUM-URANIUM ALLOYS
PMI-1253 (1958) P.13-4 (NSA 13-7728)
KEYWORDS 2 6 16 26
CATIONS U ADDITIVES AL

37 STORHOK V.W. 1959-A
PLUTONIUM METAL
REACTOR CORE MATERIALS 2 NO.2 (1959) P.8-9
KEYWORDS 2 5 6 30 W
CATIONS P

38 STORHOK V.W. 1960-A
PLUTONIUM AND ITS ALLOYS
REACTOR CORE MATERIALS 3 NO.1 (1960) P.5-7 (NSA 14-15033)
KEYWORDS 2 6 7 15 30 W
CATIONS M ADDITIVES FS

39 STORHOK V.W. 1960-B
PLUTONIUM AND ITS ALLOYS
REACTOR CORE MATERIALS 3 NO.2 (1960) P.4-5 (NSA 14-19490)
KEYWORDS 2 6 27 30
CATIONS U P T

640 STORHOK V.W. 1960-C
PHYSICAL AND MECHANICAL PROPERTIES OF PLUTONIUM FUELS
REACTOR CORE MATERIALS 3 NO.3 (1960) P.12-4 (NSA 15-1770)
KEYWORDS 2 6 27 30
CATIONS P ADDITIVES FE

641 STORHOK V.W. 1961-A
PLUTONIUM AND ITS ALLOYS
REACTOR CORE MATERIALS 4 NO.3 (1961) P.5
KEYWORDS 2 6 15 27 30
CATIONS P ADDITIVES AL

642 STORHOK V.W. 1962-A
THORIUM
REACTOR MATER. 5 NO.3 (1962) P.8 (NSA 17-11123)
KEYWORDS 2 6 16 27 30
CATIONS U T

643 STORHOK V.W. 1963-A
PLUTONIUM METAL AND ALLOYS
REACTOR MATER. 6 (1963) P.24-7 (NSA 17-17442) (NSA 17-17444)
KEYWORDS 2 6 15 30 W
CATIONS M ADDITIVES FS

644 STORHOK V.W. 1963-B
ALPHA-PHASE URANIUM ALLOYS
REACTOR MATER. 6 NO.3 (1963) P.15 (NSA 17-40313)
KEYWORDS 2 6 30 W
CATIONS M ADDITIVES FS

645 STORHOK V.W. 1965-A
PLUTONIUM METAL AND ALLOYS
REACTOR MATER. 8 (1965) P.180 (NSA 20-11224)
KEYWORDS 2 6 15 27
CATIONS P ADDITIVES GA AL

646 STORHOK V.W. 1965-B
FUEL AND FERTILE MATERIALS - PLUTONIUM METAL AND ALLOYS
REACTOR MATER. 7 (1964-1965) P.213-6 (NSA 19-11678) (NSA 19-
11679)
KEYWORDS 2 6 21 26 30
CATIONS M ADDITIVES ME

647 STORHOK V.W. 1965-C
FUEL AND FERTILE MATERIALS - PLUTONIUM METAL AND ALLOYS
REACTOR MATER. 8 (1965) P.3-4 (NSA 20-5842) (NSA 20-5843)
KEYWORDS 2 6 27 30
CATIONS M ADDITIVES MO

648 STORHOK V.W. 1965-D
FUEL AND FERTILE MATERIALS - PLUTONIUM METAL AND ALLOYS
REACTOR MATER. 8 (1965) P.122 (NSA 20-5847) (NSA 20-5848)
KEYWORDS 2 6 27 30
CATIONS M ADDITIVES TI

649 STORHOK V.W. 1966-A
PLUTONIUM - PLUTONIUM METAL AND ALLOYS
REACTOR MATER. 9 (1966) P.5-6 (NSA 20-31665) (NSA 20-31666)
KEYWORDS 2 6 27 30
CATIONS M ADDITIVES ME

650 STORHOK V.W. 1966-B
PLUTONIUM - PLUTONIUM METAL AND ALLOYS
REACTOR MATER. 9 (1966) P.153-4 (NSA 21-15796) (NSA 21-15795)
KEYWORDS 2 6 30 W
CATIONS M ADDITIVES ZR TI

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651 STORMS E.K. 1967-A
THERMOCHEMICAL PROPERTIES (URANIUM)
THE REFRACTORY CARBIDES VOL.2 (1967) P.191-2
KEYWORDS 2 6 7 21 30
CATIONS U

STRAUMANIS M.E. - SEE NR 310

STREET K.N. - SEE NR 319

STROMBERG H.D. - SEE NR 634

STRUEBING V.O. - SEE NR 140

652 STURCKEN E.F. 1962-A
THE USE OF POWDER REFLECTION INTENSITIES TO PREDICT PHYSICAL
PROPERTIES IN ORIENTED MATERIALS
TID-17080 (1962) 23P. (NSA 17-29393)
KEYWORDS 1 2 6 27
CATIONS U

653 STURCKEN E.F. 1963-A
CROACH J.W.
PREDICTING PHYSICAL PROPERTIES IN ORIENTED METALS
TRANS. AIME 227 (1963) P.934-40 (NSA 17-32631)
KEYWORDS 1 2 6 27
CATIONS U

654 STURCKEN E.F. 1964-A
PREDICTION OF THERMAL EXPANSION COEFFICIENTS BY THE GROWTH
INDEX METHOD
DP-904 (1964) P.117-23 (NSA 19-951) (NSA 19-888)
KEYWORDS 2 6 27
CATIONS U

STYLES J.W. - SEE NR 716

** 296 **

** 297 **

655 SUTCLIFFE P.W. 1968-A
A STUDY OF THE SPECIFIC HEAT OF PLUTONIUM, NEPTUNIUM AND PLUTONIUM MONOCARBIDE
THESIS (UNIV. OF OXFORD) (1968) 300P.
KEYWORDS 1 2 5 6 21
CATIONS P X

SUTCLIFFE P.W. - SEE NR 397 398 399 400 401

SWEEDLER A.R. - SEE NR 427

656 SWIFT D.L. 1964-A
KRAUSE P.
THERMAL CONDUCTIVITY OF METAL POWDERS
ANL-6900 (1964) P.288-98 (NSA 19-17174)
KEYWORDS 2 6 12 W
CATIONS U

657 SWIFT D.L. 1964-B
KRAUSE P.
THERMAL CONDUCTIVITY OF METAL POWDERS
ANL-6900 (1964) P.383-9 (NSA 18-44922) (NSA 18-43398)
KEYWORDS 2 6 9 12
CATIONS U

658 SWIFT D.L. 1966-A
THE THERMAL CONDUCTIVITY OF SPHERICAL METAL POWDERS INCLUDING THE EFFECT OF AN OXIDE COATING
INT. J. HEAT MASS TRANSFER 9 (1966) P.1061-74 (NSA 21-6141)
KEYWORDS 2 6 12 W
CATIONS U X

TAGIROVA R.K. - SEE NR 471 472

659 TARABA F.R. 1958-A
THE CALCULATION OF RADIAL TEMPERATURE DISTRIBUTIONS IN CYLINDRICAL FUEL SPECIMENS DURING NEUTRON IRRADIATION
ANL-5872 (1958) 26P. (NSA 13-3364)
KEYWORDS 1 3 29 W
CATIONS U

TATE P.E. - SEE NR 207

660 TAYLOR J.C. 1967-A
LOASRY P.G. DEAN D.J. LINFORD P.F.T.
SOME PHYSICAL PROPERTIES OF PLUTONIUM AT LOW TEMPERATURES
PROC. 3RD INT. CONF. ON PLUTONIUM (LONDON), PLUTONIUM 1965 (1967) P.162-75 (EDS.) KAY A.F., WALDRON M.B., (NSA 21-32871) (NSA 21-32820)
KEYWORDS 2 5 17 21 27
CATIONS P

661 TAYLOR J.C. 1967-B
LINFORD P.F.T.
SPECIFIC HEATS OF ALPHA-PLUTONIUM AND ALPHA-MANGANESE CRYOGENICS 7 (1967) P.305 (NSA 22-19529)
KEYWORDS 2 5 20 21
CATIONS P

662 TAYLOR J.V. 1965-A
EXPANSION PROPERTIES OF PU-1 WT. PERCENT GA ALLOYS
BNWL-SA-382 (1965) 7P. (CONF-651119-6) (NSA 20-7553)
KEYWORDS 2 6 27
CATIONS P ADDITIVES GA

663 TAYLOR J.V. 1965-B
PHYSICAL PROPERTIES OF SEVERAL PLUTONIUM BASE INTERMETALLIC COMPOUNDS
BNWL-SA-385 (1965) P.7 (CONF-651119-7) (NSA 20-7554)
KEYWORDS 2 6 26 27
CATIONS P ADDITIVES ME

664 TAYLOR J.V. 1969-A
THERMAL EXPANSION OF SOME PLUTONIUM-GALLIUM SOLID SOLUTION ALLOYS
J. NUCL. MATER. 31 (1969) P.339-41 (NSA 23-36111)
KEYWORDS 2 6 27
CATIONS P ADDITIVES GA

665 TAYLOR P.E. 1962-A
WEIDBERG H.G. ALBEE R.T.
PULSE HEATING OF ZIRCONIUM-URANIUM HYDRIDES
NAA-SR-7398 (1962) 26P. (NSA 17-8808)
KEYWORDS 2 6 7 11 21
CATIONS U ADDITIVES H ZR

666 TAYLOR P.E. 1963-A
DETERMINING SPECIFIC HEAT AND OTHER PROPERTIES BY PULSE HEATING
PROC. 3RD CONF. ON THERMAL CONDUCTIVITY (1963) GATLINBURG P.460-67
KEYWORDS 2 6 9 21
CATIONS U ADDITIVES H ZR

667 TAYLOR P.E. 1963-B
PULSE HEATING OF MODIFIED ZIRCONIUM-URANIUM HYDRIDES
NAA-SR-7736 (1963) 26P. (NSA 17-12587)
KEYWORDS 2 6 9 21
CATIONS U ADDITIVES H ZR

668 TAYLOR P.E. 1964-A
PULSE HEATING OF ZIRCONIUM-URANIUM HYDRIDE
NUCLEAR METALLURGY VOL.X - IMD SPECIAL REPORT NO.13 (1964) P.61-50 (EDS.) WABER T.J., CHIOTTI P., MINER W.N. (NSA 19-7469)
KEYWORDS 2 6 21
CATIONS U ADDITIVES H ZR

TAYLOR P.E. - SEE NR 26

669 TCHEROTAREV N.T. 1961-A
BEZNOSSKOVA A.V.
THERMAL DILATATION OF PLUTONIUM (IN FRENCH)
EA-TR-R-1404 (1961) 10P. (NSA 16-7902)
KEYWORDS 2 5 6 27
CATIONS P

670 TEBO F.J. 1958-A
SELECTED VALUES OF THE PHYSICAL PROPERTIES OF VARIOUS MATERIALS
ANL-5914 (1958) P.92-8 (NSA 13-431)
KEYWORDS 2 6 21 30 W
CATIONS U ADDITIVES ZR

TEREKHOV G.I. - SEE NR 471 472

671 THOMAS I.D. 1961-A
WICK O.J.
SUMMARY OF ALUMINIUM-PLUTONIUM FUEL DEVELOPMENT AT HANFORD
PROC. 2ND INT. CONF. ON PLUTONIUM METALLURGY (GRENOBLE), PLUTONIUM 1960 (1961) P.764-78 (EDS.) GRISON E., LORD W.B.H., FOWLER R.D., (NSA 16-4489)
KEYWORDS 2 16 27 30 W
CATIONS P ADDITIVES AL

THOMPSON H.B. - SEE NR 241

THUEMLER F. - SEE NR 313 489

672 TIPPETS F.E. 1954-A
HEAT TRANSFER ANALYSIS OF INTERNALLY-EXTERNALLY COOLED CYLINDRICAL FUEL ELEMENTS FOR NUCLEAR REACTORS
HW-33434 (1954) 39P.
KEYWORDS 1 3 29 W
CATIONS U

TIPTON C.R. JR. - SEE NR 141

TITOVA V.V. - SEE NR 724

673 TOULOUKIAN Y.S. 1970-A
POWELL R.W. HO C.Y. KLEMENS P.G.
THERMAL CONDUCTIVITY - METALLIC ELEMENTS AND ALLOYS
THERMOPHYSICAL PROPERTIES OF MATTER, THE TPRC DATA SERIES VOL.1 (1970) (PUB.) IPI/PLENUM N.Y., WASH.
KEYWORDS 2 6 30 W
CATIONS U P T ADDITIVES ZR AL MO

674 TOULOUKIAN Y.S. 1970-B
DEWITT D.P.
THERMAL RADIATIVE PROPERTIES - METALLIC ELEMENTS AND ALLOYS
THERMOPHYSICAL PROPERTIES OF MATTER, THE TPRC DATA SERIES VOL.7 (1970) (PUB.) IPI/PLENUM N.Y., WASH.
KEYWORDS 2 6 22
CATIONS U ADDITIVES ZR NB

675 TOULOUKIAN Y.S. 1973-A
POWELL R.W. HO C.Y. NICOLAOU M.C.
THERMAL DIFFUSIVITY
THERMOPHYSICAL PROPERTIES OF MATTER, THE TPRC DATA SERIES VOL.10 (1973) (PUB.) IPI/PLENUM N.Y., WASH.
KEYWORDS 2 6 7 W
CATIONS U P T ADDITIVES ZR

676 TSVETAEV A.A. 1965-A
GOLOVANOV Y.N. CHUZHKO R.K. KIRILLOV I.V.
THERMOELECTRIC PROPERTIES OF POLYCRYSTALLINE URANIUM
ATOMNAYA ENERGIYA 18 (1965) P.642-4 (NSA 19-37079)
KEYWORDS 2 6 20
CATIONS U

677 TSVETAEV A.A. 1965-B
GOLOVANOV Y.N. CHUZHKO R.K. KIRILLOV I.V.
THERMOELECTRIC PROPERTIES OF POLYCRYSTALLINE URANIUM
J. SOVIET ATOMIC ENERGY 18 (1965) P.813-5 (NSA 19-37079)
KEYWORDS 2 6 20
CATIONS U

678 TYLER W.W. 1952-A
WILSON A.C. JR. WOLGA G.J.
THERMAL CONDUCTIVITY, ELECTRICAL RESISTIVITY, AND THERMOELECTRIC POWER OF URANIUM
KAPL-802 (1952) 25P. (NSA 7-439)
KEYWORDS 2 6 20 W
CATIONS U

679 TYLER W.W. 1953-A
WILSON A.C. JR. WOLGA G.J.
THERMAL CONDUCTIVITY, ELECTRICAL RESISTIVITY, AND THERMOELECTRIC POWER OF URANIUM
J. METALS 5, AIME TRANS. 197 (1953) P.1238-9 (NSA 7-439)
KEYWORDS 2 6 20 W
CATIONS U

680 UHLMANN W. 1961-A
RADIATION EFFECTS ON SOLID URANIUM - BASED NUCLEAR FUEL MATERIALS
VDIT - 16.1 (1961) 73P. (NSA 15-16141)
KEYWORDS 3 4 17 30
CATIONS U

UHRIG R.E. - SEE NR 481

UNSTEAD P.B. - SEE NR 62

VAN DUSEN M.G. - SEE NR 155

** 298 **

** 299 **

WEEKS C.C. - SEE NR 487

1 VAN WINKLE R. 1948-A
TEMPERATURE DISTRIBUTION IN A SINGLE PLATE WHICH HAS A VARYING
NEUTRON FLUX FROM THE EDGE TO THE CENTER OF THE PLATE
CF-48-12-101 (1948) 15P. (NSA 10-10925)
KEYWORDS 1 3 6 29 W
CATIONS U

691 WEEKS J.L. 1952-A
SEIFERT R.L.
APPARATUS FOR THE MEASUREMENT OF THE THERMAL CONDUCTIVITY OF
SOLIDS
ANL-4938 (1952) 14P. (NSA 7-1717)
KEYWORDS 2 6 9 W
CATIONS U

2 VARLEY J.H.O. 1956-A
THE THERMAL EXPANSION OF PURE METALS AND THE POSSIBILITY OF
NEGATIVE COEFFICIENTS OF VOLUME EXPANSION
PROC. ROY. SOC. (LONDON) A237 (1956) P.413-21 (NSA 11-1172)
KEYWORDS 2 6 27
CATIONS P

692 WEEKS J.L. 1955-A
THERMAL CONDUCTIVITY OF URANIUM AND SEVERAL URANIUM ALLOYS
J. METALS 7 (AIME TRANS. 203) (1955) P.192 (NSA 9-1879)
KEYWORDS 2 6 16 W
CATIONS U ADDITIVES ME

VAUGHAN D.A. - SEE NR 108

WEIDBERG H.G. - SEE NR 665

VAUGHN G.A. - SEE NR 709

WEIL L. - SEE NR 266 279

3 VEAL P.W. 1973-A
OBSERVATION OF ITINERANT SF STATES IN THORIUM METAL
PHYS. REV. LETT. 30 (1973) P.1061-4
KEYWORDS 1 22
CATIONS T

693 WEINER L. 1952-A
CHIOTTI P. WILHELM H.A.
TEMPERATURE DEPENDENCE OF ELECTRICAL RESISTIVITY OF METALS
ISC-305 (1952) P.37-45 (AD-18042) (NSA 7-5342)
KEYWORDS 2 6 20
CATIONS T

4 VEDERNIKOV M.V. 1969-A
THE THERMOELECTRIC POWERS OF TRANSITION METALS AT HIGH
TEMPERATURE
ADVANC. PHYS. 18 (1969) P.337-70 (NSA 24-24146)
KEYWORDS 2 6 7 20 30
CATIONS U T

694 WENDELL G.E. 1953-A
MAJORS H. JR. WALLACE R.H. WEBSTER R.T.
MATERIALS HANDBOOK, PART V - PROPERTIES OF THORIUM
AEC-3949 (1953) P.24-7/32-6 (CRD-A19-27/PT.5) (LWS-
22514/PT.5) (NSA 10-3605)
KEYWORDS 2 6 20 27 30 W
CATIONS T

VEFNSTRA W.A. - SEE NR 309

WENZL H. - SEE NR 120

VEYSSIE J.J. - SEE NR 266

WERNICK J.H. - SEE NR 606

VINEYARD G.H. - SEE NR 212

VOIGT P. - SEE NR 459

695 WESTPHAL R.C. 1954-A
THERMAL CONDUCTIVITY OF REACTOR FUEL ELEMENT MATERIALS
AEC-3864 (1954) 4P. (WAPD-MM-538) (NSA 10-3616)
KEYWORDS 2 6 W
CATIONS U V ADDITIVES ZR MO CR

WARER J.T. - SEE NR 141 276

5 WAGNER P. 1971-A
THE THERMAL CONDUCTIVITY OF NEPTUNIUM AT 300K
J. LESS-COMMON METALS 24 (1971) P.106-7 (NSA 25-35424)
KEYWORDS 2 6 W
CATIONS X

696 WHEELER R.G. 1957-A
THERMAL CONTACT CONDUCTANCE
HW-53598 (1957) 12P. (NSA 12-7220)
KEYWORDS 2 6 8 W
CATIONS U

WICK O.J. - SEE NR 671

6 WALDRON M.B. 1957-A
THE PHYSICAL PROPERTIES AND ALLOYING BEHAVIOUR OF PLUTONIUM
METAL
ATOMICS & NUCLEAR ENERGY B (1957) P.383-6 (NSA 12-1324)
KEYWORDS 2 6 20 30
CATIONS P ADDITIVES AL ME CE

697 WIGLEY D.A. 1964-A
LOW TEMPERATURE PROPERTIES OF TRANSURANIC AND OTHER HEAVY
METALS. A STUDY OF THE EFFECTS OF SELF-IRRADIATION DAMAGE ON
THE ELECTRICAL RESISTIVITY OF ALPHA AND DELTA STABILISED
PLUTONIUM, URANIUM AND NEPTUNIUM
AERE-X/PR/2596/9 THESIS (UNIV. OF OXFORD) (1964) 168P. (NSA
20-39448)
KEYWORDS 2 5 17 20
CATIONS U P X

697 WALDRON M.B. 1958-A
GARSTONE J. LEE J.A. MARDON P.G.
MARPLES J.A.C. POOLE D.W. WILLIAMSON G.K.
THE PHYSICAL METALLURGY OF PLUTONIUM
PROC. 2ND INT. CONF. ON PEACEFUL USES OF ATOMIC ENERGY 6
(1958) GENEVA P.162-9 (A/CONF.15/P/71) (NSA 13-6768) (NSA 14-
179P)
KEYWORDS 2 5 6 20 27 30 W
CATIONS P

698 WIGLEY D.A. 1965-A
EFFECT OF ANNEALING ON THE RESISTIVITY OF SELF DAMAGED
PLUTONIUM
PROC. ROY. SOC., SER.A 284 (1965) P.344-53 (NSA 19-20650)
KEYWORDS 2 5 17 20
CATIONS P

WALDRON M.B. - SEE NR 139 403

WIGLEY D.A. - SEE NR 348 376 392 393 394 395

698 WALLACE D.C. 1960-A
SPECIFIC HEAT OF THORIUM AT HIGH TEMPERATURES
PHYS. REV. 120 (1960) P.84-8 (NSA 15-681)
KEYWORDS 2 6 21
CATIONS T

699 WILHELM H.A. 1953-A
CARLSON O.N. LUNT H.E.
THORIUM-TITANIUM ALLOY SYSTEM
AEC-3603 (1953) P.19 (ISC-408) (NSA 8-1087)
KEYWORDS 2 7 16 26
CATIONS T ADDITIVES TI

WALLACE D.C. - SEE NR 167

WALLACE R.H. - SEE NR 694

WALLMANN J.C. - SEE NR 153 452

700 WILHELM H.A. 1955-A
ROGERS B.A.
THE PHYSICAL METALLURGY OF THORIUM
NUCLEAR METALLURGY, INT. SPECIAL REPORT SERIES NO.1 (1955)
P.39-63 (NSA 10-6731)
KEYWORDS 2 6 20 27 W
CATIONS T

WALTER C.M. - SEE NR 339 341 342 355 710

WARFIELD G. - SEE NR 624

WATERMAN T.E. - SEE NR 265

WEER G.W. - SEE NR 442

701 WILHELM H.A. 1956-A
THORIUM
PROGRESS IN NUCLEAR ENERGY, SERIES V - METALLURGY AND FUELS.
VOL.1 (1956) P.217-22 (EDS.) FINNISTON H.M., HOWE J.P.,
KEYWORDS 2 6 20 21 22 26 27 30 W
CATIONS T

699 WERER C.E. 1959-A
PROGRESS ON DISPERSION ELEMENTS
PROGRESS IN NUCLEAR ENERGY, SERIES V - METALLURGY AND FUELS.
VOL.2 (1959) P.310-2 (EDS.) FINNISTON H.M., HOWE J.P., (NSA
13-16573)
KEYWORDS 3 6 11 16 W
CATIONS U ADDITIVES AL

WILHELM H.A. - SEE NR 693

702 WILKINSON W.D. 1955-A
KELMAN L.R.
EXPANSION COEFFICIENTS OF URANIUM-PLUTONIUM ALLOYS
ANL-5439 (1955) P.30 (NSA 11-8462)
KEYWORDS 2 6 15 27
CATIONS M

WEBER M. - SEE NR 16 17

WEBSTER R.T. - SEE NR 694

703 WILKINSON W.D. 1960-A
INTRODUCTION TO PLUTONIUM METALLURGY
EXTRACTIVE AND PHYSICAL METALLURGY OF PLUTONIUM AND ITS ALLOYS
(1960) P.1-22 (ED.) WILKINSON W.D. (NSA 14-22095)
KEYWORDS 2 6 20 21 27 30 W
CATIONS P

690 WEEKS C.C. 1968-A
NAKATA M.M. SMITH C.A.
THERMAL PROPERTIES OF SNW FUELS
PROC. 7TH CONF. ON THERMAL CONDUCTIVITY (1967) GAITHERSBURG.
NBS SPEC. PUB. NO.302 (1968) P.387-98 (NSA 23-6741) (NSA 23-
6632)
KEYWORDS 2 6 15 21 W
CATIONS U ADDITIVES H ZR

- ** 300 **
- WILLIAMSON G.K. - SEE NR 687
- WILSON A.C. JR. - SEE NR 678 679
- 704 WILSON W.B. 1956-A
AUSTIN A.E. SCHWARTZ C.M.
THE SOLID SOLUBILITY OF URANIUM IN THORIUM AND THE ALLOTROPIC
TRANSFORMATION OF THORIUM-URANIUM ALLOYS
RMI-1111 (1956) P.9-11 (NSA 10-9309)
KEYWORDS 2 6 27
CATIONS V
- WINN R.A. - SEE NR 172 174
- 705 WITTENBERG L.J. 1963-A
GROVE G.R.
THERMAL PROPERTIES
MLM-1184 (1963) P.19-20 (NSA 18-24815)
KEYWORDS 2 6 21
CATIONS P
ADDITIVES ME CE
- 706 WITTENBERG L.J. 1963-B
THERMAL PROPERTY STUDIES
MLM-1162 (1963) P.14-5 (NSA 17-41350)
KEYWORDS 2 6 21
CATIONS P
ADDITIVES ME
- 707 WITTENBERG L.J. 1967-A
GROVE G.R.
CALORIMETRIC STUDIES OF DELTA, DELTA PRIME AND ETA PLUTONIUM
MLM-1328 (1967) P.26-31 (NSA 21-13143)
KEYWORDS 2 6 26
CATIONS P
- 708 WITTENBERG L.J. 1967-B
GROVE G.R.
HEAT CAPACITY OF DELTA PRIME PU
MLM-1346 (1967) P.18-22 (NSA 21-22888)
KEYWORDS 2 6 21 26
CATIONS P
- 709 WITTENBERG L.J. 1970-A
ENGEL T.K. VAUGHN G.A.
THERMAL CONDUCTIVITY OF PLUTONIUM AT HIGH TEMPERATURE
PROC. 4TH INT. CONF. ON PLUTONIUM AND OTHER ACTINIDES (SANTA
FE), NUCLEAR METALLURGY VOL. 17 PART I (1970) P.48-57 (NSA 25-
11383)
KEYWORDS 2 6 9 W
CATIONS P
- WOLGA G.J. - SEE NR 678 679
- 710 WOODROW J. 1947-A
HEAT TRANSFER PROBLEMS IN URANIUM RODS
AERE-9ER/3 (1947) 7P. (NSA 10-12015)
KEYWORDS 1 3 8 W
CATIONS U
- WOODROW R.J. - SEE NR 624
- WOOTTON K.J. - SEE NR 613
- WOZNIAKOVA R. - SEE NR 372
- WUNDER G.W. - SEE NR 564
- 711 WYATT L.M. 1963-A
FUEL ELEMENTS
THE DESIGN OF GAS-COOLED GRAPHITE-MODERATED REACTORS (1963)
P.129-30 (ED.) POULTER D.R. (NSA 18-557)
KEYWORDS 2 6 16 27 30 W
CATIONS U
- 712 WYMAN L.L. 1952-A
BRADLEY J.F.
THE TEMPERATURE-RESISTANCE CHARACTERISTICS OF URANIUM
KAPL-#51 (1952) 33P. (AD-85128) (NSA 10-2236)
KEYWORDS 2 6 20
CATIONS U
- 713 WYMAN L.L. 1952-B
BRADLEY J.F.
THERMAL ELECTROMOTIVE FORCE OF URANIUM, TITANIUM, AND
ZIRCONIUM
KAPL-#52 (1952) 31P. (NSA 10-4653)
KEYWORDS 2 6 20
CATIONS U
- 714 YAGGEE F.L. 1961-A
DUNWORTH R.J.
ENGINEERING AND PHYSICAL PROPERTIES OF THE PLUTONIUM - 1 W/O
ALUMINIUM FUEL ALLOY
ANL-6330 (1961) P.55-7 (NSA 15-22692)
KEYWORDS 2 6 16 W
CATIONS P
ADDITIVES AL
- 715 YAGGEE F.L. 1962-A
WALTER C.M.
ENGINEERING AND PHYSICAL PROPERTIES OF THE PLUTONIUM-ALUMINIUM
ALLOYS
ANL-6516 (1962) P.69-73 (NSA 16-30717)
KEYWORDS 2 6 27 W
CATIONS P
ADDITIVES AL
- 716 YAGGEE F.L. 1969-A
STYLES J.W.
AUTOGRAPHIC DILATOMETER FOR USE WITH PYROPHORIC AND ALPHA-
ACTIVE MATERIALS
ANL-7643 (1969) P.14-5 (NSA 24-19256)
KEYWORDS 2 6 27
CATIONS M
ADDITIVES ZR
- ** 301 **
- YOUNG G. - SEE NR 483
- 717 YOUNG W.A. 1969-A
SPECIFIC HEATS, THERMAL DIFFUSIVITIES, AND THERMAL
CONDUCTIVITIES OF ZIRCONIUM HYDRIDES CONTAINING 4 AT. PCT U
TRANS. MET. SOC. AIME 245 (1969) P.971-9 (NSA 23-30160)
KEYWORDS 2 6 21 W
CATIONS U
ADDITIVES H ZR
- 718 Z.G. 1957-A
DILATOMETRIC DETERMINATION OF THE COEFFICIENT OF EXPANSION OF
ALPHA-URANIUM
SOV. J. ATOMIC ENERGY 3 (1957) P.1074-5 (NSA 12-11191)
KEYWORDS 2 6 27
CATIONS U
- 719 Z.G. 1957-B
THE DILATOMETRIC DETERMINATION OF THE COEFFICIENT OF EXPANSION
OF ALPHA-URANIUM (IN RUSSIAN)
ATOMNAYA ENERGIYA 3 (1957) P.272 (NSA 12-11191)
KEYWORDS 2 6 27
CATIONS U
- 720 ZACHARIASEN W.H. 1954-A
ELLINGER F.H.
THE CRYSTAL STRUCTURE AND THERMAL EXPANSION OF GAMMA PLUTONIUM
AECU-3085 (1954) 16P. (NSA 10-741)
KEYWORDS 2 6 27
CATIONS P
- 721 ZACHARIASEN W.H. 1955-A
ELLINGER F.H.
CRYSTAL CHEMICAL STUDIES OF THE 5F- SERIES OF ELEMENTS. XXIV.
THE CRYSTAL STRUCTURE AND THERMAL EXPANSION OF GAMMA-PLUTONIUM
ACTA CRYSTALLOGR. 8 (1955) P.431-3 (NSA 9-6351)
KEYWORDS 2 6 27
CATIONS P
- 722 ZACHARIASEN W.H. 1959-A
ELLINGER F.H.
UNIT CELL AND THERMAL EXPANSION OF BETA-PLUTONIUM METAL
ACTA CRYST. 12 (1959) P.175-6 (NSA 13-10065)
KEYWORDS 2 6 27
CATIONS P
- 723 ZACHARIASEN W.H. 1961-A
CRYSTAL-STRUCTURE STUDIES OF PLUTONIUM METAL
THE METAL PLUTONIUM (1961) P.99-107 (EDS.) COFFINBERRY A.S.,
MINER W.N. (NSA 17-16559) (NSA 17-16550)
KEYWORDS 2 6 27 30
CATIONS P
- ZACHARIASEN W.H. - SEE NR 442
- ZAFFARANO D.J. - SEE NR 629 630 631
- 724 ZAIMOVSKII A.S. 1958-A
SERGEEV G.A. TITOVA V.V. LEVITSKII B.M.
SOKURSKY Y.N.
THE INFLUENCE OF STRUCTURE AND PROPERTIES OF URANIUM ON ITS
BEHAVIOR UNDER IRRADIATION (IN RUSSIAN)
ATOMNAYA ENERGIYA 5 (1958) P.412-20 (NSA 13-3371)
KEYWORDS 3 6 17 23 27
CATIONS U
- ZAIMOVSKY A.S. - SEE NR 359
- 725 ZAMBROW J.L. 1952-A
HAUSNER H.H.
PHYSICAL PROPERTIES OF URANIUM SLUGS MADE BY POWDER METALLURGY
SEP-95 (1952) 20P. (NSA 14-20619)
KEYWORDS 2 6 12 14 27 W
CATIONS U
- 726 ZAMBROW J.L. 1959-A
SHEINHARTZ I.
HIGH-TEMPERATURE FUEL MATERIALS
SCNC-301 (1959) P.10-6 (NSA 15-11461)
KEYWORDS 2 6 16 W
CATIONS U
ADDITIVES Y
- 727 ZAMBROW J.L. 1959-B
SHEINHARTZ I.
HIGH-TEMPERATURE FUEL MATERIALS (YTTRIUM-URANIUM ALLOYS)
SCNC-296 (1959) P.21-2 (NSA 15-5318)
KEYWORDS 2 6 27
CATIONS U
ADDITIVES Y
- ZAMBROW J.L. - SEE NR 608
- 728 ZEGLER S.T. 1958-A
NEVITT M.V.
SOME PROPERTIES OF URANIUM-FISSIUM ALLOYS
NUCL. SCI. ENG. 1 (1958) P.115-6
KEYWORDS 2 6 16 27
CATIONS U
ADDITIVES FS
- 729 ZEGLER S.T. 1958-B
NEVITT M.V.
PROPERTIES OF URANIUM-FISSIUM ALLOYS
ANL-5837 (1958) P.56-8 (NSA 13-19215)
KEYWORDS 2 6 27
CATIONS U
ADDITIVES FS
- 730 ZEGLER S.T. 1959-A
NEVITT M.V.
SOME PROPERTIES OF URANIUM-FISSIUM ALLOYS
NUCL. SCI. ENG. 6 (1959) P.222-8 (NSA 14-667)
KEYWORDS 2 6 16 27
CATIONS U
ADDITIVES FS

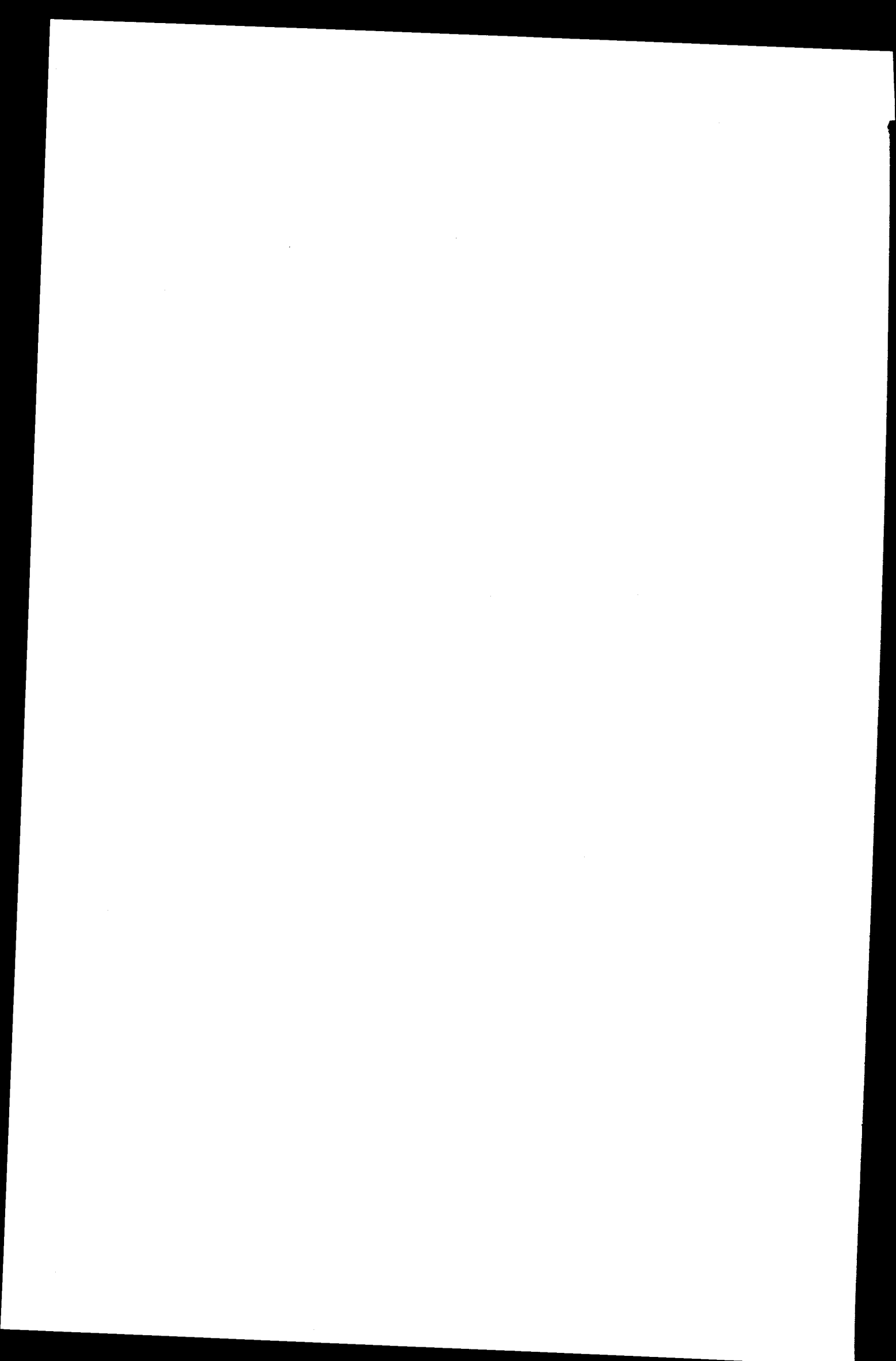
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731 ZEGLER S.T. 1959-B
NEVITT M.V.
APPARATUS FOR MEASURING THE THERMAL CONDUCTIVITIES OF METALS
ANL-5611 (1959) 15P. (NSA 14-5577)
KEYWORDS 2 6 9 W ADDITIVES FS
CATIONS U

737 ZEGLER S.T. 1961-A
NEVITT M.V.
STRUCTURES AND PROPERTIES OF URANIUM-FISSIUM ALLOYS
ANL-6116 (1961) P.29-50 (NSA 15-31170)
KEYWORDS 2 6 16 27 W ADDITIVES FS
CATIONS U

738 ZEGLER S.T. 1961-B
NEVITT M.V.
PROPERTIES OF URANIUM FISSIUM ALLOYS
ANL-6330 (1961) P.149-50 (NSA 15-22692)
KEYWORDS 2 6 16 27 W ADDITIVES FS
CATIONS U

ZEGLER S.T. - SEE NR 350



** OXIDE FUELS - UPDATED SEPT 1973 **

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** OXIDE FUELS - UPDATED SEPT 1973 **

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206	*	**	**	*	T	0	206
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208	*	**	*	*	W	0	208
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210	*	*	*	*	U	0	210
211	*	**	*	*	W	M	211
212	*	**	*	*	T	0	212
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214	*	*	*	*	W	0	214
215	*	**	*	*	W	0	215
216	*	*	*	*	W	0	216
217	*	*	*	*	W	0	217
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219	*	*	**	*	W	0	219
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225	**	**	**	**	W	0	225
226	*	*	*	*	W	0	226
227	*	**	*	*	W	0	227
228	*	**	*	*	W	0	228
229	*	**	*	*	W	0	229
230	*	**	*	*	W	0	230
231	**	**	*	*	W	V	231
232	**	**	*	*	X	0	232
233	*	*	*	*	P	0	233
234	*	*	*	*	P	0	234
235	*	**	*	*	W	0	235
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238	*	**	*	*	U	0	238
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** OXIDE FUELS - UPDATED SEPT 1973 **

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700	** *	*			W U	0

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3		-CATIONS- --ANIONS--		ZGSANMCCFTF	MS	NCBCM		
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704	*	*	*	*	*	W U	0	704
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722	*	**	*	*	*	W U	0	722
723	*	**	*	*	*	W U	0	723
724	*	**	*	*	*	W U	0	724
725	*	**	*	*	*	W U	0	725
726	*	**	*	*	*	W U	0	726
727	*	**	*	*	*	W U	0	727
728	*	**	*	*	*	W U	0	728
729	*	**	*	*	*	W U	0	729
730	*	**	*	*	*	W U	0	730
731	**	*	*	*	*	W U	0	731
732	**	*	*	*	*	UPT	0	732
733	**	*	*	*	*	W U	0	733
734	**	*	*	*	*	W U	0	734
735	*	*	*	*	*	W U	0	735
736	*	*	*	*	*	W U	0	736
737	*	**	*	*	*	V	0	737
738	*	**	*	*	*	V	0	738
739	*	*	*	*	*	V	0	739
740	*	*	*	*	*	W U	0	740
741	*	**	*	*	*	W U	0	741
742	*	**	*	*	*	V	0	742
743	*	*	*	*	*	W U	0	743
744	*	*	*	*	*	W U	0	744
745	*	*	*	*	*	W U	0	745
746	*	*	*	*	*	W U	0	746
747	*	*	*	*	*	W U	0	747
748	**	*	*	*	*	W M	0	748
749	**	*	*	*	*	W M	0	749
750	*	**	*	*	*	W U	0	750
751	*	**	*	*	*	W U	0	751
752	*	**	*	*	*	W U	0	752
753	*	*	*	*	*	T	0	753
754	*	**	*	*	*	W M	0	754
755	*	**	*	*	*	W M	0	755
756	*	**	*	*	*	W U	0	756
757	*	*	*	*	*	W U	0	757
758	**	**	*	*	*	W U	0	758
759	**	**	*	*	*	W U	0	759
760	*	*	*	*	*	W M	0	760
761	*	*	*	*	*	W M	0	761
762	*	**	*	*	*	W M	0	762
763	*	**	*	*	*	W M	0	763
764	*	**	*	*	*	UP	0	764
765	*	**	*	*	*	W M	0	765
766	**	*	*	*	*	W M	0	766
767	**	*	*	*	*	W M	0	767
768	*	**	*	*	*	W M	0	768
769	*	*	*	*	*	W M	0	769
770	*	*	*	*	*	W M	0	770
771	*	*	*	*	*	W M	0	771
772	**	**	*	*	*	W M	0	772
773	**	**	*	*	*	W M	0	773
774	*	**	*	*	*	W M	0	774
775	*	**	*	*	*	W M	0	775
776	*	*	*	*	*	W	0	776
777	*	**	*	*	*	W U	0	777
778	**	**	*	*	*	W U	0	778
779	*	**	*	*	*	W U	0	779
780	*	*	*	*	*	W U	0	780
781	*	*	*	*	*	W	0	781
782	*	**	*	*	*	T	0	782
783	*	*	*	*	*	W	0	783
784	**	**	*	*	*	W M	0	784
785	**	**	*	*	*	W M	0	785
786	*	*	*	*	*	W	0	786
787	*	*	*	*	*	W	0	787
788	**	*	*	*	*	W U	0	788
789	*	*	*	*	*	W M	0	789
790	*	*	*	*	*	W M	0	790
791	*	**	*	*	*	W	0	791
792	*	*	*	*	*	U	0	792
793	*	**	*	*	*	U	0	793
794	*	**	*	*	*	Q	0	794
795	**	*	*	*	*	W P	0	795
796	**	*	*	*	*	W P	0	796
797	*	*	*	*	*	W P	0	797
798	*	**	*	*	**	W P	0	798
799	*	**	*	*	*	W Q	0	799
800	*	**	*	*	*	W M	0	800

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM						
12345678901234567890	W	UPTKXMVQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG							
801	***	**	**		W	M	O			801	
802	*	*	*	*		W	M	M	O	802	
803	*	*	*	*	*	W	M	M	O	803	
804	*	*	*	*	*	W	M	M	O	804	
805	*	*	*	*	*	W	M	M	O	805	
806	*	*	*	*	*	W	P	M	Q	*	806
807	*	*	*	*	*	W		M			807
808	*	*	*	*	*	W		Q			808
809	*	*	*	*	*	W	U				809
810	*	*	*	*	*	W	U				810
811	*	*	*	*	*	W	U				811
812	*	*	*	*	*	W	U				812
813	*	*	*	*	*	W		M			813
814	*	*	*	*	*	W	U				814
815	*	*	*	*	*	W	U				815
816	*	*	*	*	*	W	U				816
817	*	*	*	*	*	W	U				817
818	*	*	*	*	*	W		M			818
819	*	*	*	*	*	W		M			819
820	*	*	*	*	*	W	U				820
821	*	*	*	*	*	W	U				821
822	*	*	*	*	*	W					822
823	*	*	*	*	*	U					823
824	*	*	*	*	*	U					824
825	*	*	*	*	*	W	U				825
826	*	*	*	*	*	W	U				826
827	*	*	*	*	*	W	U				827
828	*	*	*	*	*	W	U	T			828
829	*	*	*	*	*	W		M			829
830	*	*	*	*	*	W	U				830
831	*	*	*	*	*	W	U				831
832	*	*	*	*	*	W	U				832
833	*	*	*	*	*	W		M			833
834	*	*	*	*	*	W	U				834
835	*	*	*	*	*	W	U	K			835
836	*	*	*	*	*	W	U				836
837	*	*	*	*	*	W	U				837
838	*	*	*	*	*	W	U				838
839	*	*	*	*	*	W	U	T			839
840	*	*	*	*	*	W					840
841	*	*	*	*	*	W	U	T		*	841
842	*	*	*	*	*	W	U				842
843	*	*	*	*	*	W		M			843
844	*	*	*	*	*	W	U				844
845	*	*	*	*	*	W	U	T			845
846	*	*	*	*	*	U		Q		*	846
847	*	*	*	*	*	U	T				847
848	*	*	*	*	*	U	T				848
849	*	*	*	*	*	W	U				849
850	*	*	*	*	*	W	U		M		850
851	*	*	*	*	*	W	U		M		851
852	*	*	*	*	*	W	U			*	852
853	*	*	*	*	*	U					853
854	*	*	*	*	*	U					854
855	*	*	*	*	*	U					855
856	*	*	*	*	*	U	T				856
857	*	*	*	*	*	W	U				857
858	*	*	*	*	*	W	U				858
859	*	*	*	*	*	W		M			859
860	*	*	*	*	*	W	U				860
861	*	*	*	*	*	W	U				861
862	*	*	*	*	*	W	U				862
863	*	*	*	*	*	W	U				863
864	*	*	*	*	*	W	U				864
865	*	*	*	*	*	W	U				865
866	*	*	*	*	*	W	U				866
867	*	*	*	*	*	W	P				867
868	*	*	*	*	*	W		M			868
869	*	*	*	*	*	W	P				869
870	*	*	*	*	*	W		M			870
871	*	*	*	*	*	W		M			871
872	*	*	*	*	*	W		M			872
873	*	*	*	*	*	W		M			873
874	*	*	*	*	*	W		M			874
875	*	*	*	*	*	W	X				875
876	*	*	*	*	*	W		M			876
877	*	*	*	*	*	W		M			877
878	*	*	*	*	*	W		M			878
879	*	*	*	*	*	W		M			879
880	*	*	*	*	*	W		M			880
881	*	*	*	*	*	W		M			881
882	*	*	*	*	*	W	U				882
883	*	*	*	*	*	W	U			*	883
884	*	*	*	*	*	W	U			*	884
885	*	*	*	*	*	W	U			*	885
886	*	*	*	*	*	W	U				886
887	*	*	*	*	*	W		M			887
888	*	*	*	*	*	W		M			888
889	*	*	*	*	*	W					889
890	*	*	*	*	*	W					890
891	*	*	*	*	*	W					891
892	*	*	*	*	*	W					892
893	*	*	*	*	*	W	U				893
894	*	*	*	*	*	W	U				894
895	*	*	*	*	*	W	U				895
896	*	*	*	*	*	W	U				896
897	*	*	*	*	*	W	U				897
898	*	*	*	*	*	W	U				898
899	*	*	*	*	*	W	U				899
900	*	*	*	*	*	W	U				900

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM
12345678901234567890	W	UPTKXMQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG	
1001	*	*	*	*	*
1002	*	*	*	*	*
1003	*	*	*	*	*
1004	*	*	*	*	*
1005	*	*	*	*	*
1006	*	*	*	*	*
1007	*	*	*	*	*
1008	*	*	*	*	*
1009	*	*	*	*	*
1010	*	*	*	*	*
1011	*	*	*	*	*
1012	*	*	*	*	*
1013	*	*	*	*	*
1014	*	*	*	*	*
1015	*	*	*	*	*
1016	*	*	*	*	*
1017	*	*	*	*	*
1018	*	*	*	*	*
1019	*	*	*	*	*
1020	*	*	*	*	*
1021	*	*	*	*	*
1022	*	*	*	*	*
1023	*	*	*	*	*
1024	*	*	*	*	*
1025	*	*	*	*	*
1026	*	*	*	*	*
1027	*	*	*	*	*
1028	*	*	*	*	*
1029	*	*	*	*	*
1030	*	*	*	*	*
1031	*	*	*	*	*
1032	*	*	*	*	*
1033	*	*	*	*	*
1034	*	*	*	*	*
1035	*	*	*	*	*
1036	*	*	*	*	*
1037	*	*	*	*	*
1038	*	*	*	*	*
1039	*	*	*	*	*
1040	*	*	*	*	*
1041	*	*	*	*	*
1042	*	*	*	*	*
1043	*	*	*	*	*
1044	*	*	*	*	*
1045	*	*	*	*	*
1046	*	*	*	*	*
1047	*	*	*	*	*
1048	*	*	*	*	*
1049	*	*	*	*	*
1050	*	*	*	*	*
1051	*	*	*	*	*
1052	*	*	*	*	*
1053	*	*	*	*	*
1054	*	*	*	*	*
1055	*	*	*	*	*
1056	*	*	*	*	*
1057	*	*	*	*	*
1058	*	*	*	*	*
1059	*	*	*	*	*
1060	*	*	*	*	*
1061	*	*	*	*	*
1062	*	*	*	*	*
1063	*	*	*	*	*
1064	*	*	*	*	*
1065	*	*	*	*	*
1066	*	*	*	*	*
1067	*	*	*	*	*
1068	*	*	*	*	*
1069	*	*	*	*	*
1070	*	*	*	*	*
1071	*	*	*	*	*
1072	*	*	*	*	*
1073	*	*	*	*	*
1074	*	*	*	*	*
1075	*	*	*	*	*
1076	*	*	*	*	*
1077	*	*	*	*	*
1078	*	*	*	*	*
1079	*	*	*	*	*
1080	*	*	*	*	*
1081	*	*	*	*	*
1082	*	*	*	*	*
1083	*	*	*	*	*
1084	*	*	*	*	*
1085	*	*	*	*	*
1086	*	*	*	*	*
1087	*	*	*	*	*
1088	*	*	*	*	*
1089	*	*	*	*	*
1090	*	*	*	*	*
1091	*	*	*	*	*
1092	*	*	*	*	*
1093	*	*	*	*	*
1094	*	*	*	*	*
1095	*	*	*	*	*
1096	*	*	*	*	*
1097	*	*	*	*	*
1098	*	*	*	*	*
1099	*	*	*	*	*
1100	*	*	*	*	*

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3			-CATIONS- --ANIONS--		ZGSANMCCFTF	MS	NCBCM		
123456789012345678901234567890			W	UPTKXMVQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG			
1101	**	*					U	0	1101
1102	*		*				U	0	1102
1103	*	**		*	*	*	W U	0	1103
1104	*	*		*			T	0	1104
1105	*	**	**	*	*	*	W	0	1105
1106	*	**	**	*	*	*	U	0	1106
1107	*	**	*	*	*	*	U	0	1107
1108	*	*	*				W U	0	1108
1109	*	**			*		M	0	1109
1110	**	**	*				W	0	1110
1111	**	*	*				V	0	1111
1112	**	*	*				W U	0	1112
1113	*	*		*			T	0	1113
1114	**	*	**				W U	0	1114
1115	**	*	**				U	0	1115
1116	*	*			*	*	W	0	1116
1117	*	*			*	*	M	0	1117
1118	**	**			*	*	M	0	1118
1119	**	**	**		*	*	M	0	1119
1120	**	**	**		*	*	M	0	1120
1121	*	**	**	*	*	*	W U	0	1121
1122	*	*	*				U	0	1122
1123	*	**	*				W	0	1123
1124	*	**	*				W	0	1124
1125	*	**	*	*	*	*	M	0	1125
1126	*	*	*	*	*	*	W U	0	1126
1127	**	**			*	*	W	0	1127
1128	*	*			*	*	W	0	1128
1129	*	**	*	**	*	*	U	0	1129
1130	*	**	*	*	*	*	M	0	1130
1131	*	*	*	*	*	*	W U	0	1131
1132	**	**	*		*	*	W U	0	1132
1133	*	*	*	*	*	*	W U	0	1133
1134	*	*	*	*	*	*	W	0	1134
1135	*	*	**	*	*	*	U	0	1135
1136	*	*	*	*	*	*	U	0	1136
1137	*	**	*	*	*	*	U	0	1137
1138	*	**	**	*	*	*	W	0	1138
1139	**	**	*	*	*	*	W	0	1139
1140	**	**	*	*	*	*	M	0	1140
1141	**	*	*	*	*	*	W	0	1141
1142	*	*	*	*	*	*	UP	0	1142
1143	*	*	*	*	*	*	W	0	1143
1144	*	*	*	*	*	*	W	0	1144
1145	*	*	*	*	*	*	M	0	1145
1146	**	*	*	*	*	*	W	0	1146
1147	**	*	*	*	*	*	W	0	1147
1148	**	*	*	*	*	*	W	0	1148
1149	**	*	*	*	*	*	W	0	1149
1150	**	*	*	*	*	*	M	0	1150
1151	**	*	*	*	*	*	M	0	1151
1152	**	*	*	*	*	*	M	0	1152
1153	**	*	*	*	*	*	M	0	1153
1154	*	*	*	*	*	*	U	0	1154
1155	**	**	*	*	*	*	W U	0	1155
1156	*	**	**	*	*	*	W U	0	1156
1157	*	*	*	*	*	*	P X	0	1157
1158	*	*	*	*	*	*	P X	0	1158
1159	*	*	*	*	*	*	P	0	1159
1160	*	*	*	*	*	*	P	0	1160
1161	*	*	*	*	*	*	P	0	1161
1162	*	*	*	*	*	*	P	0	1162
1163	*	*	*	*	*	*	U	0	1163
1164	*	**	**	*	*	*	W	0	1164
1165	**	**	**	*	*	*	M	0	1165
1166	**	**	**	*	*	*	M	0	1166
1167	**	**	**	*	*	*	M	0	1167
1168	**	**	**	*	*	*	M	0	1168
1169	**	*	*	*	*	*	U	0	1169
1170	**	*	*	*	*	*	W	0	1170
1171	*	**	*	*	*	*	M	0	1171
1172	*	*	*	*	*	*	M	0	1172
1173	*	**	*	**	*	*	U	0	1173
1174	*	**	*	*	*	*	U	0	1174
1175	*	**	*	*	*	*	U	0	1175
1176	*	*	*	*	*	*	U	0	1176
1177	*	*	*	*	*	*	W	0	1177
1178	*	**	*	**	*	*	T	0	1178
1179	*	**	*	*	*	*	T	0	1179
1180	*	**	*	*	*	*	P M	0	1180
1181	*	**	*	*	*	*	U	0	1181
1182	*	**	*	*	*	*	T	0	1182
1183	*	**	*	*	*	*	U	0	1183
1184	*	**	*	*	*	*	U	0	1184
1185	*	*	*	*	*	*	T	0	1185
1186	*	*	*	*	*	*	U	0	1186
1187	**	**	*	*	*	*	V	0	1187
1188	**	**	*	*	*	*	V	0	1188
1189	*	**	*	*	*	*	V	0	1189
1190	**	**	*	*	*	*	M	0	1190
1191	*	**	*	*	*	*	U	0	1191
1192	*	**	*	*	*	*	U	0	1192
1193	*	**	*	*	*	*	U	0	1193
1194	*	**	*	*	*	*	W	0	1194
1195	*	**	*	*	*	*	X	0	1195
1196	*	*	*	**	*	*	W U	0	1196
1197	*	*	*	*	*	*	T	0	1197
1198	**	*	*	*	*	*	W	0	1198
1199	*	**	*	*	*	*	W	0	1199
1200	*	*	*	*	*	*	W U T	0	1200

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3				-CATIONS- --ANIONS--				ZGSANMCCFTF	MS	NCBCM	
123456789012345678901234567890	W	UPTKXMVQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG							
1201	*	**									1201
1202	*	*	*								1202
1203	*	**	**								1203
1204	**	**	*								1204
1205		*									1205
1206	**	*	*	*							1206
1207	**	**	*	**							1207
1208	*	*	*	*							1208
1209	*	*	*	*	*						1209
1210	*	**	*	*	*						1210
1211	*	**	*	*	*						1211
1212	*	*	*	*	*						1212
1213	**	**	*	*							1213
1214	**	**	*	*							1214
1215	*	**	**	*	*						1215
1216	*	**	**	*	*						1216
1217	*	**	**	**	*						1217
1218	*	**	**	**	*						1218
1219	*	**	**	**	*						1219
1220	**	*	*	*	*						1220
1221	**	*	*	*	*						1221
1222	**	**	*	*	*						1222
1223	**	*	*	*	*						1223
1224	*	**	*	*	*						1224
1225	*	*	*	*	*						* 1225
1226	*	*	*	*	*						1226
1227	*	*	*	*	*						1227
1228	*	**	**	*	**						1228
1229	**	*	*	*	*						1229
1230	*	**	*	*	*						1230
1231	*	**	**	*	*						1231
1232	*	*	*	*	*						1232
1233	*	*	*	*	*						1233
1234	*	**	*	*	*						1234
1235	*	*	*	*	*						1235
1236	*	*	*	*	*						1236
1237	*	*	*	*	*						1237
1238	*	*	*	*	*						1238
1239	*	*	*	*	*						1239
1240	*	*	*	*	*						1240
1241	*	*	*	*	*						1241
1242	*	*	*	*	*						1242
1243	*	*	*	*	*						1243
1244	*	*	*	*	*						1244
1245	*	**	*	*	*						1245
1246	*	**	*	*	*						1246
1247	*	**	*	*	**						1247
1248	*	**	*	*	*						1248
1249	*	**	*	*	*						1249
1250	*	**	*	*	*						1250
1251	*	**	*	*	*						1251
1252	*	**	*	*	*						1252
1253	**	*	*	*	*						1253
1254	*	*	*	*	*						1254
1255	*	**	*	*	**						* 1255
1256	**	**	*	*	*						1256
1257	**	*	*	*	*						1257
1258	*	*	*	*	*						1258
1259	*	**	**	*	*						1259
1260	*	**	*	*	*						1260
1261	**	**	*	*	*						1261
1262	**	*	*	*	*						1262
1263	**	*	*	*	*						1263
1264	*	*	*	*	*						1264
1265	*	**	*	*	**						1265
1266	*	*	*	*	**						1266
1267	**	*	*	*	**						1267
1268	*	*	*	*	*						1268
1269	*	*	*	*	*						1269
1270	**	**	*	*	*						1270
1271	**	*	*	*	*						1271
1272	*	*	*	*	*						1272
1273	*	*	*	*	*						1273
1274	*	*	*	*	*						* 1274
1275	*	*	*	*	*						1275
1276	*	*	*	*	*						1276
1277	*	*	*	*	*						1277
1278	*	**	**	*	*						1278
1279	*	*	*	*	*						* 1279
1280	*	*	*	*	*						1280
1281	*	*	*	**	*						1281
1282	*	**	*	*	*						1282
1283	*	*	*	*	*						1283
1284	*	*	*	*	*						1284
1285	*	*	*	*	*						1285
1286	*	*	*	*	*						1286
1287	*	*	*	*	*						1287
1288	*	*	*	*	*						1288
1289	*	*	*	*	*						1289
1290	*	*	*	*	*						1290
1291	*	*	*	*	*						1291
1292	*	**	*	*	*						1292
1293	**	**	*	*	*						1293
1294	**	**	*	*	*						1294
1295	*	**	*	*	*						1295
1296	*	**	*	*	*						1296
1297	*	**	*	*	*						1297
1298	*	**	*	*	*						1298
1299	*	*	*	*	*						1299
1300	*	*	*	*	*						1300

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM		
12345678901234567890	W	UPTKXMQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG			
1301	***				W	M O	1301
1302	** ** *					M O	1302
1303	* ** *				W	M O	1303
1304	** ** *					M O	1304
1305	* ** *	**			W	M O	1305
1306	** ** *				W U	O O	1306
1307	* ** *			*	U	O O	1307
1308	* ** *			*	U	O O	1308
1309	* ** *			*	P	O O	1309
1310	* ** *			*	W U	O O	1310
1311	* ** *			*	W U	O O	1311
1312	* ** *			*	U	O O	1312
1313	* ** *			*	U	M O	1313
1314	* ** *			*	P	M O	1314
1315	* ** *			*	U	O O	1315
1316	* ** *			*		M O	1316
1317	* ** *			*	UP	M O	1317
1318	* ** *			*	UP	M O	1318
1319	** ** *			*	W	M O	1319
1320	* ** *			*	W	M O	1320
1321	** ** *			*	W	O O	1321
1322	** ** *			*	W	M O	1322
1323	* ** *			*	W	O O	1323
1324	* ** *			*	W	M O	1324
1325	* ** *			*	W	M O	1325
1326	* ** *			*	W	M O	1326
1327	* ** *			*	W	M O	1327
1328	** ** *			*	W	M O	1328
1329	** ** *			*	W	M O	1329
1330	* ** *			*	U T	O O	1330
1331	* ** *			*	U	O O	1331
1332	* ** *			*	U	O O	1332
1333	* ** *			*	U	O O	1333
1334	* ** *			*	U	O O	1334
1335	* ** *			*	U	O O	1335
1336	* ** *			*	U	O O	1336
1337	* ** *			*	U	O O	1337
1338	* ** *			*	U	M O	1338
1339	* ** *			*		M O	1339
1340	* ** *			*		M O	1340
1341	** ** *			*	U	O O	1341
1342	** ** *			*	W	M O	1342
1343	** ** *			*	U	O O	1343
1344	** ** *			*	W	O O	1344
1345	** ** *			*	W	O O	1345
1346	* ** *			*	W U	O O	1346
1347	* ** *			*	W	K O	1347
1348	* ** *			*	W	M O	1348
1349	** ** *			*	W	M O	1349
1350	* ** *			*	W	M O	1350
1351	* ** *			*	W	M O	1351
1352	** ** *			*	W	M O	1352
1353	* ** *			*	T	O O	1353
1354	* ** *			*	W U	O O	1354
1355	** ** *			*	W	M O	1355
1356	** ** *			*	W	M O	1356
1357	** ** *			*	W U	O O	1357
1358	** ** *			*	W	O O	1358
1359	** ** *			*	W	O O	1359
1360	** ** *			*		MV O	1360
1361	* ** *			*	W U T	OC O	1361
1362	* ** *			*	W U	O O	1362
1363	* ** *			*	W U	O O	1363
1364	* ** *			*	W U	O O	1364
1365	* ** *			*	W U	O O	1365
1366	* ** *			*	W U	O O	1366
1367	* ** *			*	W U	O O	1367
1368	* ** *			*	W U	O O	1368
1369	* ** *			*	W U	O O	1369
1370	* ** *			*	W U	O O	1370
1371	* ** *			*	W U	O O	1371
1372	* ** *			*	W U	O O	1372
1373	* ** *			*	W U	O O	1373
1374	* ** *			*	W U	O O	1374
1375	* ** *			*	W U	O O	1375
1376	* ** *			*		V O	1376
1377	* ** *			*		M O	1377
1378	* ** *			*		M O	1378
1379	* ** *			*		M O	1379
1380	* ** *			*	U	O O	1380
1381	* ** *			*	W U	O O	1381
1382	* ** *			*	W U	O O	1382
1383	* ** *			*	W U	O O	1383
1384	** ** *			*	W U	O O	1384
1385	** ** *			*	W U	O O	1385
1386	* ** *			*	W U	O O	1386
1387	* ** *			*	W U	O O	1387
1388	* ** *			*	W U	O O	1388
1389	* ** *			*	W U	O O	1389
1390	* ** *			*	W U	O O	1390
1391	* ** *			*	W U	O O	1391
1392	* ** *			*	W U	O O	1392
1393	* ** *			*	W U	O O	1393
1394	* ** *			*	W U	O O	1394
1395	* ** *			*	W U	O O	1395
1396	* ** *			*	W U	O O	1396
1397	* ** *			*	W U	O O	1397
1398	* ** *			*	W U	O O	1398
1399	* ** *			*	W U	O O	1399
1400	* ** *			*	W U	O O	1400

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM				
123456789012345678901234567890	W	UPTKXMQV	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG					
1401	**	** **	*	*	W U	0	1401		
1402	*	**	*	*	W U	0	1402		
1403	**	**		*	W U	M	0	1403	
1404	**	*		*	W U	0	1404		
1405	**	*	*	*	W U	0	1405		
1406	***	*	*	*	W U	0	1406		
1407	**	*	*	*	W U	0	1407		
1408	**	*	*	*	W U	M	0	1408	
1409	**	*	*	*	W U	M	0	1409	
1410	*	**	*	*	W U	0	1410		
1411	*	**	*	*	W U	0	1411		
1412	*	**	*	*	W U	0	1412		
1413	*	**	*	*	W U	0	1413		
1414	*	**	*	*	W U	0	1414		
1415	*	**	*	*	W U	0	1415		
1416	*	**	*	*	W U	0	1416		
1417	*	**	*	*	W U	0	1417		
1418	**	*	*	*	W U	0	1418		
1419	**	*	*	*	W U	0	1419		
1420	**	*	*	*	W U	V	0	1420	
1421	**	*	*	*	W U	V	0	1421	
1422	*	*	*	*	W U	0	1422		
1423	*	*	*	*	W U	0	1423		
1424	**	**	*	*	W U	M	0	1424	
1425	**	**	*	*	W U	0	1425		
1426	**	**	*	*	W U	0	1426		
1427	*	*	*	*	W U	0	1427		
1428	*	*	*	*	W U	PT	0	1428	
1429	*	*	*	*	W U	M	0	1429	
1430	*	*	*	*	W U	P	0	1430	
1431	*	*	**	*	W U	P	0	1431	
1432	*	*	*	**	W U	P	0	1432	
1433	**	*	*	**	W U	P	0	1433	
1434	**	*	*	**	W U	P	0	1434	
1435	*	*	*	**	W U	P	0	1435	
1436	*	*	*	**	W U	P	0	1436	
1437	*	*	*	**	W U	P	0	1437	
1438	*	*	*	**	W U	P	0	1438	
1439	*	*	**	***	W U	P	0	1439	
1440	*	*	*	*	W U	P	0	1440	
1441	*	*	*	*	W U	X	0	1441	
1442	**	*	*	*	W U	0	1442		
1443	*	*	*	*	W U	0	1443		
1444	*	*	*	*	W U	0	1444		
1445	**	**	*	*	W U	0	1445		
1446	**	**	**	**	W U	0	1446		
1447	*	*	*	*	W U	0	1447		
1448	*	*	*	*	W U	0	1448		
1449	*	*	*	*	W U	0	1449		
1450	*	*	*	*	W U	0	1450		
1451	*	*	*	*	W U	P	0	1451	
1452	*	**	*	*	W U	0	1452		
1453	**	**	*	*	W U	0	1453		
1454	**	**	*	*	W U	T	0	1454	
1455	**	**	*	*	W U	T	V	0	1455
1456	*	*	*	*	W U	T	0	1456	
1457	*	*	*	*	W U	T	0	1457	
1458	**	***	*	*	W U	M	OC	1458	
1459	**	*	*	*	W U	M	0	1459	
1460	**	*	*	*	W U	M	0	1460	
1461	**	**	*	*	W U	0	1461		
1462	*	**	*	*	W U	0	1462		
1463	**	*	*	*	W U	K	OC	1463	
1464	*	*	*	*	W U	T	0	1464	
1465	**	*	*	*	W U	M	0	1465	
1466	**	*	*	*	W U	0	1466		
1467	*	*	*	*	W U	M	0	1467	
1468	*	**	*	*	W U	M	0	1468	
1469	*	*	*	*	W U	M	0	1469	
1470	*	**	*	*	W U	M	0	1470	
1471	*	*	*	*	W U	M	0	1471	
1472	*	**	*	*	W U	0	1472		
1473	**	**	**	*	W U	0	1473		
1474	**	**	**	*	W U	0	1474		
1475	*	*	*	*	W U	0	1475		
1476	**	**	*	*	W U	V	0	1476	
1477	**	**	*	*	W U	V	0	1477	
1478	*	*	*	*	W U	0	1478		
1479	*	*	*	*	W U	0	1479		
1480	*	*	*	*	W U	0	** 1480		
1481	*	*	*	*	W U	0	** 1481		
1482	*	*	*	*	W U	0	1482		
1483	*	*	*	*	W U	0	1483		
1484	*	*	*	**	W U	0	1484		
1485	*	*	*	*	W U	0	1485		
1486	*	*	*	*	W U	P	0	1486	
1487	*	**	*	*	W U	0	1487		
1488	*	*	*	*	W U	M	0	1488	
1489	*	*	**	*	W U	0	1489		
1490	*	***	*	*	W U	M	0	1490	
1491	*	*	**	*	W U	0	1491		
1492	*	*	*	*	W U	P	0	1492	
1493	*	*	*	*	W U	P	0	1493	
1494	*	*	*	*	W U	P	0	1494	
1495	*	*	*	*	W U	M	0	* 1495	
1496	**	**	*	*	W U	M	0	1496	
1497	*	*	*	*	W U	M	0	1497	
1498	*	**	**	*	W U	0	1498		
1499	*	**	**	*	W U	0	1499		
1500	**	*	*	*	W U	0	1500		

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3			-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM		
12345678901234567890	W	UPTKXMQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG					
1501	*	**	*	*	**	W	U	O	1501
1502	*	*	**	*	*	W	U	O	1502
1503	*	*	*	*	*		P	X	1503
1504	**				**	*		M	1504
1505	**				*	W	U	O	1505
1506	*	*	*	*	*		T	T	1506
1507	*	*	*	*	*		T	T	1507
1508	*	**	*	*	*		T	T	1508
1509	*	**	*	*	*	W	U	O	1509
1510	**	*	*	*	*	*		M	1510
1511	**	*	*	*	*	W		M	1511
1512	**	*	*	*	*	W		M	1512
1513	**	**	*	*	*			M	1513
1514	*	*	*	*	*		U		1514
1515	*	**	*	*	*	W	U		1515
1516	*	**	*	*	*	W	U		1516
1517	**	**	*	*	*			M	1517
1518	**	**	*	*	*	W		M	1518
1519	**	**	*	**	*	W		M	1519
1520	**	**	*	*	*	W		M	1520
1521	*	**	**	*	**	W		M	1521
1522	*	*	*	*	*	W	U		1522
1523	*	*	*	*	*	W	U		1523
1524	**	**	*	*	*	W	U		1524
1525	**	**	*	*	*	W	U		1525
1526	*	*	*	*	*	W	U		1526
1527	*	*	*	*	*	W	U		1527
1528	*	**	*	*	*	W	U		1528
1529	*	*	*	*	*			V	1529
1530	*	*	*	*	*	W	U		1530
1531	**	**	*	*	*	W	U		1531
1532	*	*	*	*	*	W	U		1532
1533	*	*	*	*	*	U			1533
1534	*	*	*	*	*	U			1534
1535	*	*	*	*	*	U			1535
1536	*	*	*	*	*	U			1536
1537	*	*	*	*	*	*	U		1537
1538	*	*	*	*	*	U			1538
1539	*	*	*	*	*	U			1539
1540	*	*	*	*	*	U			1540
1541	*	*	*	**	*	W	U		1541
1542	*	*	*	*	*	U			1542
1543	*	**	*	*	*	U			1543
1544	*	*	*	*	*	W	U	T	1544
1545	*	*	*	*	*			V	1545
1546	*	*	*	*	*	W		V	1546
1547	*	*	*	*	*	W		V	1547
1548	*	*	*	*	*	W		V	1548
1549	*	*	*	*	*	W		T	1549
1550	*	**	*	*	*	W	U	T	1550
1551	*	**	**	*	*	W	U	T	1551
1552	*	*	**	*	*	W	U		1552
1553	*	*	**	*	*	W	U		1553
1554	*	**	**	*	*	W	U		1554
1555	**	*	*	*	*	W	U		1555
1556	*	**	*	*	**	W	U		1556
1557	*	**	**	*	*	W	U		1557
1558	*	*	*	*	**	W	U	P	1558
1559	*	*	*	*	*			X	1559
1560	*	*	*	*	*			X	1560
1561	*	**	*	*	*			X	1561
1562	*	*	*	*	*	*		P	1562
1563	**	*	*	*	*	W	U		1563
1564	**	*	*	*	*	W	U		1564
1565	*	**	*	*	*	W	U		1565
1566	**	**	*	*	*	W	U		1566
1567	*	*	*	*	*	W		V	1567
1568	**	*	*	*	*	W		T	1568
1569	*	*	*	*	*	W		V	1569
1570	*	*	*	*	*	U			1570
1571	*	*	*	*	*	U			1571
1572	*	*	*	*	*	U			1572
1573	*	*	*	*	*	W	U	T	1573
1574	*	*	*	*	*	W	U	T	1574
1575	*	*	*	*	*	W	U		1575
1576	*	**	*	*	*	W	U		1576
1577	*	**	**	*	*	W	U		1577
1578	**	*	*	*	*	W	U		1578
1579	**	**	*	*	*	W		M	1579
1580	*	**	*	*	*	W		M	1580
1581	*	*	*	*	*	W	U		1581
1582	**	**	*	*	*	W	U		1582
1583	*	**	*	*	*	U			1583
1584	**	**	*	*	*	W	U		1584
1585	*	**	*	*	*	U			1585
1586	*	**	*	*	*	U			1586
1587	*	**	*	*	*	W	U		1587
1588	*	*	*	*	*	U			1588
1589	*	*	*	*	*	U			1589
1590	*	*	*	*	*	W	U	T	1590
1591	*	**	*	*	**	W		V	1591
1592	**	*	*	*	*	W		M	1592
1593	*	**	*	*	*	W			1593
1594	**	*	*	*	*	W		M	1594
1595	**	*	*	*	*	W		M	1595
1596	*	**	*	*	*	W		V	1596
1597	*	**	*	*	*	W		V	1597
1598	*	**	*	*	*	W		V	1598
1599	*	**	*	*	*	W		M	1599
1600	*	*	*	*	*	W		M	1600

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3			-CATIONS-		--ANIONS--		ZGSANMCCFTF	MS	NCBCM				
1234567890	1234567890	1234567890	W	UPTKXMQV	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG							
1701	**	*	*	*			W	U	0	1701			
1702	**	*	*	*			W	U	0	1702			
1703	**	*	*	*			W	U	0	1703			
1704	**	*	*	*			W	U	M	0	1704		
1705	*	**	*	*	*	*	W	U	T	0	1705		
1706	*	**	*	*	*	*	W	U	T	0	1706		
1707	*	**	**	*	*	*	W	U	VQ	0	1707		
1708	*	*	*	*	*	*	W	U		*	**	1708	
1709	*	*	*	*	*	*	W	U			**	1709	
1710	*	*	*	*	*	*	W	U	M	M	0	1710	
1711	*	*	*	*	*	*	W	U	M	M	0	1711	
1712	*	*	*	*	*	*	W	U	P	T	0	1712	
1713	**	*	*	*	*	*	W	U	P	T	OC	1713	
1714	*	**	*	*	*	*	W	U	P	T	M	0	1714
1715	*	**	*	*	*	*	W	U	P	T	M	0	1715
1716	*	**	*	*	*	*	W	U	P	T	M	0	1716
1717	**	*	*	*	*	*	W	U	P	T	X	0	1717
1718	*	*	*	*	*	*	W	U	P	T	X	0	1718
1719	*	**	*	*	*	*	W	U	P	T	X	0	1719
1720	*	**	*	*	*	*	W	U	P	T	X	0	1720
1721	*	**	*	*	*	*	W	U	P	T	X	0	1721
1722	**	*	*	*	*	*	W	U	P	T	X	0	1722
1723	*	*	*	*	*	*	W	U	P	T	X	0	1723
1724	*	**	*	*	*	*	W	U	P	T	X	0	1724
1725	*	**	*	*	*	*	W	U	P	T	X	0	1725
1726	**	**	*	*	*	*	W	U	P	T	X	0	1726
1727	**	**	*	*	*	*	W	U	P	T	X	0	1727
1728	*	**	*	*	*	*	W	U	P	T	X	0	1728
1729	*	**	*	*	*	*	W	U	P	T	X	0	1729
1730	*	**	*	*	*	*	W	U	P	T	X	0	1730
1731	*	**	*	*	*	*	W	U	P	T	X	0	1731
1732	*	**	*	*	*	*	W	U	P	T	X	0	1732
1733	*	**	*	*	*	*	W	U	P	T	X	0	1733
1734	**	*	*	*	*	*	W	U	P	T	X	0	1734
1735	**	*	*	*	*	*	W	U	P	T	X	0	1735
1736	**	*	*	*	*	*	W	U	P	T	X	0	1736
1737	**	*	*	*	*	*	W	U	P	T	X	0	1737
1738	*	**	*	*	*	*	W	U	P	T	X	0	1738
1739	*	**	*	*	*	*	W	U	P	T	X	0	1739
1740	*	**	*	*	*	*	W	U	P	T	X	0	1740
1741	*	**	*	*	*	*	W	U	P	T	X	0	1741
1742	*	**	*	*	*	*	W	U	P	T	X	0	1742
1743	*	**	*	*	*	*	W	U	P	T	X	0	1743
1744	*	**	*	*	*	*	W	U	P	T	X	0	1744
1745	*	**	*	*	*	*	W	U	P	T	X	0	1745
1746	*	**	*	*	*	*	W	U	P	T	X	0	1746
1747	*	**	*	*	*	*	W	U	P	T	X	0	1747
1748	*	**	*	*	*	*	W	U	P	T	X	0	1748
1749	*	**	*	*	*	*	W	U	P	T	X	0	1749
1750	*	**	*	*	*	*	W	U	P	T	X	0	1750
1751	*	**	*	*	*	*	W	U	P	T	X	0	1751
1752	*	**	*	*	*	*	W	U	P	T	X	0	1752
1753	*	**	*	*	*	*	W	U	P	T	X	0	1753
1754	*	**	*	*	*	*	W	U	P	T	X	0	1754
1755	*	**	*	*	*	*	W	U	P	T	X	0	1755
1756	**	*	*	*	*	*	W	U	P	T	X	0	1756
1757	*	**	*	*	*	*	W	U	P	T	X	0	1757
1758	*	**	*	*	*	*	W	U	P	T	X	0	1758
1759	*	**	*	*	*	*	W	U	P	T	X	0	1759
1760	*	**	*	*	*	*	W	U	P	T	X	0	1760
1761	*	**	*	*	*	*	W	U	P	T	X	0	1761
1762	*	**	*	*	*	*	W	U	P	T	X	0	1762
1763	*	**	*	*	*	*	W	U	P	T	X	0	1763
1764	*	**	*	*	*	*	W	U	P	T	X	0	1764
1765	*	**	*	*	*	*	W	U	P	T	X	0	1765
1766	**	*	*	*	*	*	W	U	P	T	X	0	1766
1767	*	**	*	*	*	*	W	U	P	T	X	0	1767
1768	*	**	*	*	*	*	W	U	P	T	X	0	1768
1769	*	**	*	*	*	*	W	U	P	T	X	0	1769
1770	*	**	*	*	*	*	W	U	P	T	X	0	1770
1771	*	**	*	*	*	*	W	U	P	T	X	0	1771
1772	*	**	*	*	*	*	W	U	P	T	X	0	1772
1773	*	**	*	*	*	*	W	U	P	T	X	0	1773
1774	*	**	*	*	*	*	W	U	P	T	X	0	1774
1775	*	**	*	*	*	*	W	U	P	T	X	0	1775
1776	**	*	*	*	*	*	W	U	P	T	X	0	1776
1777	*	**	*	*	*	*	W	U	P	T	X	0	1777
1778	*	**	*	*	*	*	W	U	P	T	X	0	1778
1779	*	**	*	*	*	*	W	U	P	T	X	0	1779
1780	*	**	*	*	*	*	W	U	P	T	X	0	1780
1781	*	**	*	*	*	*	W	U	P	T	X	0	1781
1782	**	*	*	*	*	*	W	U	P	T	X	0	1782
1783	**	*	*	*	*	*	W	U	P	T	X	0	1783
1784	**	*	*	*	*	*	W	U	P	T	X	0	1784
1785	*	**	*	*	*	*	W	U	P	T	X	0	1785
1786	*	**	*	*	*	*	W	U	P	T	X	0	1786
1787	**	*	*	*	*	*	W	U	P	T	X	0	1787
1788	**	*	*	*	*	*	W	U	P	T	X	0	1788
1789	**	*	*	*	*	*	W	U	P	T	X	0	1789
1790	**	*	*	*	*	*	W	U	P	T	X	0	1790
1791	*	**	*	*	*	*	W	U	P	T	X	0	1791
1792	*	**	*	*	*	*	W	U	P	T	X	0	1792
1793	*	**	*	*	*	*	W	U	P	T	X	0	1793
1794	*	**	*	*	*	*	W	U	P	T	X	0	1794
1795	*	**	*	*	*	*	W	U	P	T	X	0	1795
1796	**	*	*	*	*	*	W	U	P	T	X	0	1796
1797	*	**	*	*	*	*	W	U	P	T	X	0	1797
1798	**	*	*	*	*	*	W	U	P	T	X	0	1798
1799	**	*	*	*	*	*	W	U	P	T	X	0	1799
1800	*	**	*	*	*	*	W	U	P	T	X	0	1800

0.....1.....2.....3 -CATIONS- --ANIONS-- ZGSANMCCFTF MS NCBCM
123456789012345678901234567890 W UPTKXMQV OCNFSIABDE HRASLBORUSIEYUEIBWIEEAG

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3			-CATIONS- --ANIONS--		ZGSANMCCFTF	MS	NCBCM			
12345678901234567890	W	UPTKXMVQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG						
1801	**	**	*		W	M	O	1801		
1802	*	*		*		T	O	1802		
1803	**				* W	U	O	1803		
1804					** W		O	1804		
1805	**	*		*		P	O	1805		
1806	*	*		*	*	P	O	1806		
1807	*	*	*	*		P	O	1807		
1808	*	*		*	*	P	O	1808		
1809	**	**	*		* W	U	O	1809		
1810	*	**	*	*	* W	U	M	O	1810	
1811	*	**	**		* W	U		O	1811	
1812	**	**	*	**	*	U		O	1812	
1813	*	**	*	*	*	U		O	1813	
1814	*	**	*	*	*		M	O	1814	
1815	*	**	*	*	*	W	M	O	1815	
1816	**	**	*	*	**		M	O	1816	
1817	*	**	*	*	*	W	M	O	1817	
1818	*	**	*	*	*	W	U	O	1818	
1819	*	*	*	*	*		M	O	1819	
1820	*	*	*	*	*		M	O	1820	
1821	*	*	*	*	*		M	O	1821	
1822	*	*	*	*	*		M	O	1822	
1823	*	**	*	*	*		M	O	1823	
1824	*	*	*	*	*		M	O	1824	
1825	*	*	*	*	*	W	M	O	1825	
1826	*	**	**	*	*	W	U	O	1826	
1827	**	**	*	*	*	W	M	O	1827	
1828	**	*	**	**	**	* W	M	O	1828	
1829	*	*	*	*	*		M	O	1829	
1830	*	*	*	*	*		M	O	1830	
1831	*	*	*	*	*	U		O	1831	
1832	*	**	*	*	*	U		O	1832	
1833	*	**	*	*	*		T	O	1833	
1834	*	*	*	*	*	U		O	1834	
1835	*	*	*	**	*	U	V	O	1835	
1836	*	*	*	**	*	U	V	O	1836	
1837	**	**	**	*	*	* W	U	O	1837	
1838	**	**	*	*	*	* W	U	O	1838	
1839	**	**	*	*	*	* W	U	O	1839	
1840	**	**	*	*	*	* W	U	O	1840	
1841	*	**	*	*	*	W	U	O	1841	
1842	*	**	*	*	*		M	O	1842	
1843	*	*	*	*	*	W	T	O	1843	
1844	*	**	*	*	*	W	U	O	1844	
1845	*	**	*	*	*	W	U	O	1845	
1846	*	**	*	*	*	W	U	O	1846	
1847	*	**	*	*	*	W	U	O	1847	
1848	**	*	*	*	*	W	U	O	1848	
1849	**	**	*	*	*	W	M	O	1849	
1850	*	*	*	*	*		P	O	1850	
1851	*	*	*	*	*		P	O	1851	
1852	*	*	*	*	*		P	O	1852	
1853	*	**	*	*	*	* W	U	O	1853	
1854	*	**	*	*	*	W	M	O	1854	
1855	**	**	*	*	*	W	M	O	1855	
1856	*	*	*	*	*	*	M	O	1856	
1857	**	**	*	*	*	W	M	O	1857	
1858	*	*	*	*	*	* W	M	O	1858	
1859	**	**	*	*	*	* W	M	O	1859	
1860	**	**	*	*	*	* W	M	O	1860	
1861	**	*	*	*	*	* W	M	O	1861	
1862	**	*	*	*	*	* W	M	O	1862	
1863	*	*	*	*	*	* W	U	O	1863	
1864	*	*	*	*	*	** W	U	O	1864	
1865	*	*	*	*	*		T	O	1865	
1866	*	*	*	*	*		T	O	1866	
1867	*	*	*	*	*	U	U	O	1867	
1868	*	*	*	*	*	U	U	O	1868	
1869	*	*	*	*	*	U	U	O	1869	
1870	*	*	*	*	*	U	U	O	1870	
1871	*	*	*	*	*		M	O	1871	
1872	*	**	*	*	*	* W		O	1872	
1873	*	*	*	*	*	U	M	O	1873	
1874	*	*	*	*	*		M	O	1874	
1875	*	**	*	*	*	W	M	O	1875	
1876	*	**	*	*	*	W	M	O	1876	
1877	*	**	*	*	*	W	M	O	1877	
1878	*	**	*	*	*	W	M	O	1878	
1879	*	*	*	*	*	W	M	O	1879	
1880	*	**	*	*	**	W	M	O	1880	
1881	*	**	*	*	*	W	M	O	1881	
1882	*	*	*	*	*	* W	M	O	1882	
1883	*	**	*	*	*	W	M	O	1883	
1884	*	**	*	*	*	W	M	O	1884	
1885	*	**	*	*	*	W	M	O	1885	
1886	*	**	*	*	*	W	M	O	1886	
1887	*	*	*	*	*	W	M	O	1887	
1888	*	**	*	*	*	W	M	O	1888	
1889	*	**	*	*	*	W	M	O	1889	
1890	*	*	*	*	*	W	M	O	1890	
1891	*	**	*	*	*	W	M	O	1891	
1892	**	**	*	*	*	* W	M	O	1892	
1893	**	**	*	*	*	W	M	O	1893	
1894	*	**	*	*	*	W	U	O	1894	
1895	**	**	*	*	*	W	U	O	1895	
1896	*	*	*	**	*	W	M	O	1896	
1897	**	*	*	*	*		M	O	1897	
1898	**	**	*	*	*	W	U	M	O	1898
1899	*	*	*	*	*	* W	P	O	1899	
1900	**	*	*	*	*	* W		O	1900	

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3			-CATIONS-		--ANIONS--		ZGSANMCCFTF	MS	NCBCM		
123456789012345678901234567890	W	UPTKXMVQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG							
1901	**	*	*				W U	M	0	1901	
1902	*	**		*			W	M	0	1902	
1903	*	*		*	*		W	P	0	1903	
1904	**	*					W U	M	0	1904	
1905	**	*	*	*			W U	M	0	1905	
1906	**	**	*	*			W	M	0	1906	
1907	**	**	*	*			W	M	0	1907	
1908	*	*	*	*			W			*	1908
1909	*	**	*	*			W	M	0	1909	
1910	*	*	*	*			W	M	0	1910	
1911	*	**	*	*			W	M	0	1911	
1912	*	**	*	*			W	M	0	1912	
1913	*	*	*	*			W	X	0	1913	
1914	**	**	**	*	*		W U		0	1914	
1915	**	**	**	*	*		W U		0	1915	
1916	**	*	*	*	*		W	M	0	*	1916
1917	**	*	*	*	*		W	M	0	**	1917
1918	**	*	*	*	*		W	M	0	**	1918
1919	**	**	*	*	*		W	M	0	1919	
1920	**	*	*	*	*		W			1920	
1921	**	*	*	*	*		W			1921	
1922	*	*	*	*	*		W	T	0	*	1922
1923	*	*	*	*	*		W				1923
1924	*	**	*	*	*		W U	M	0	1924	
1925	*	**	*	*	*		W U	M	0	1925	
1926	*	*	*	*	*		W U	M	0	1926	
1927	*	*	*	*	*		W U	M	0	1927	
1928	*	**	*	*	*		W U	K	0	1928	
1929	*	*	*	*	*		W U	K V	0	1929	
1930	*	*	*	*	*		W U	K	0	1930	
1931	*	**	*	*	*		W U		0	1931	
1932	**	**	*	*	**	*	W U		0	1932	
1933	**	**	*	*	**	**	W U	P M	0	1933	
1934	*	*	*	*	*		W U		0	1934	
1935	*	**	*	*	*		W U		0	1935	
1936	*	**	*	*	*		W U		0	1936	
1937	*	**	*	*	*		W U		0	1937	
1938	*	**	*	*	*		W U		0	1938	
1939	*	**	*	*	*		W	M	0	1939	
1940	*	**	*	*	*		W		0	1940	
1941	*	**	*	*	*		W U	M	0	1941	
1942	*	*	*	*	*		W U		0	1942	
1943	*	*	*	*	*		W	M	0	1943	
1944	*	**	*	*	*		W	M	0	1944	
1945	*	*	*	*	*		W U		0	1945	
1946	*	*	*	*	*		W U		0	*	1946
1947	*	*	*	*	*	*	W U		0	*	1947
1948	*	*	*	*	*	*	W U	V	0	*	1948
1949	*	*	*	*	*	*	W U		0	*	1949
1950	*	**	*	*	*	*	W U		0	*	1950
1951	*	**	*	*	*	*	W U		0	1951	
1952	*	*	*	*	*	**	W U		0	1952	
1953	*	*	*	*	*	*	W U	T	0	1953	
1954	*	**	*	*	*	*	W	M	0	1954	
1955	**	*	*	*	*	**	W		0	1955	
1956	**	**	*	*	*	*	W U		0	1956	
1957	**	*	*	*	*	*	W U		0	1957	
1958	**	*	*	*	*	*	W U		0	1958	
1959	**	**	*	*	*	*	W U		0	1959	
1960	**	**	*	*	*	*	W U		0	1960	
1961	*	**	*	*	*	*	W U		0	1961	
1962	*	**	*	*	*	*	W U		0	1962	
1963	*	**	*	*	*	*	W U		0	1963	
1964	*	**	*	*	*	*	W U		0	1964	
1965	*	*	*	*	*	*	W U		0	1965	
1966	*	*	*	*	*	*	W U		0	1966	
1967	*	*	*	*	*	*	W U		0	1967	
1968	**	*	*	*	*	*	W U		0	1968	
1969	**	**	*	*	*	*	W U	M	0	1969	
1970	*	**	*	*	*	**	W	M Q	0	1970	
1971	*	**	*	*	*	*	W	M	0	1971	
1972	*	**	*	*	*	*	W	M	0	1972	
1973	*	**	*	*	*	*	W	M	0	1973	
1974	*	*	*	*	*	*	W	M	0	1974	
1975	*	*	*	*	*	*	W	M	0	1975	
1976	*	*	*	*	*	*	W	T	0	1976	
1977	*	*	*	*	*	*	W U		0	1977	
1978	*	*	*	*	*	*	W U		0	1978	
1979	*	**	*	*	*	*	W U		0	1979	
1980	*	**	*	*	*	*	W U		0	1980	
1981	*	*	*	*	*	*	W U		0	*	1981
1982	*	**	*	*	*	**	W U		0	1982	
1983	*	**	*	*	*	**	W U		0	1983	
1984	**	**	*	*	*	**	W U P		0	1984	
1985	**	*	*	*	*	*	W U		0	1985	
1986	*	*	*	*	*	*	W U		0	1986	
1987	**	**	*	*	*	*	W U		0	1987	
1988	*	**	*	*	*	*	W U		0	1988	
1989	**	*	*	*	*	*	W U		0	1989	
1990	*	*	*	*	*	*	W U	T	0	1990	
1991	*	**	*	*	*	*	W U	T	0	1991	
1992	**	**	*	*	*	*	W U		0	1992	
1993	**	**	*	*	*	*	W U		0	1993	
1994	*	**	*	*	*	*	W U		0	1994	
1995	*	*	*	*	*	*	W U		0	*	1995
1996	*	**	*	*	*	*	W U		0	1996	
1997	**	*	*	*	*	*	W U		0	1997	
1998	*	**	*	*	*	*	W	V	0	1998	
1999	*	**	*	*	*	*	W	V	0	1999	
2000	*	*	*	*	*	*	W	P	0	2000	

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM	
123456789012345678901234567890	W	UPTKXMQV	OCNFSIABDE	H	RASLBORUSIEYUEIBWIEEAG	
2001	*	*				0
2002	**	*				0
2003	**	*				0
2004	**	*				0
2005	**	**				0
2006	**	**				0
2007	**	**				0
2008	*	**				0
2009	**	**				0
2010	*	**				0
2011	*	**				0
2012	*	**				0
2013	*	**				0
2014	*	**				0
2015	*	**				0
2016	*	**				0
2017	*	**				0
2018	*	*				0
2019	*	**				0
2020	*	*				0
2021	*	*				0
2022	**	**				0
2023	**	**				0
2024	*	**				0
2025	*	**				0
2026	*	**				0
2027	*	**				0
2028	*	*				0
2029	*	**				0
2030	*	**				0
2031	*	**				0
2032	*	**				0
2033	*	**				0
2034	*	**				0
2035	*	**				0
2036	*	*				0
2037	**	*				0
2038	**	**				0
2039	**	**				0
2040	*	*				0
2041	*	**				0
2042	*	**				0
2043	**	*				0
2044	*	*				0
2045	*	*				0
2046	*	**				0
2047	*	**				0
2048	**	*				0
2049	**	**				0
2050	*	*				0
2051	*	*				0
2052	*	**				0
2053	*	**				0
2054	**	*				0
2055	*	*				0
2056	**	*				0
2057	*	**				0
2058	*	**				0
2059	*	**				0
2060	*	**				0
2061	*	**				0
2062	*	**				0
2063	**	*				0
2064	**	*				0
2065	**	*				0
2066	*	**				0
2067	*	**				0
2068	*	**				0
2069	*	**				0
2070	**	*				0
2071	*	*				0
2072	*	*				0
2073	**	*				0
2074	**	**				0
2075	*	*				0
2076	*	*				0
2077	*	**				0
2078	*	*				0
2079	**	**				0
2080	*	**				0
2081	*	**				0
2082	*	**				0
2083	*	**				0
2084	*	**				0
2085	*	**				0
2086	*	**				0
2087	**	**				0
2088	*	**				0
2089	*	**				0
2090	*	**				0
2091	*	*				0
2092	*	**				0
2093	*	**				0
2094	**	**				0
2095	**	*				0
2096	**	**				0
2097	*	*				0
2098	*	*				0
2099	*	*				0
2100	*	*				0

** OXIDE FUELS - UPDATED SEPT 1973 **

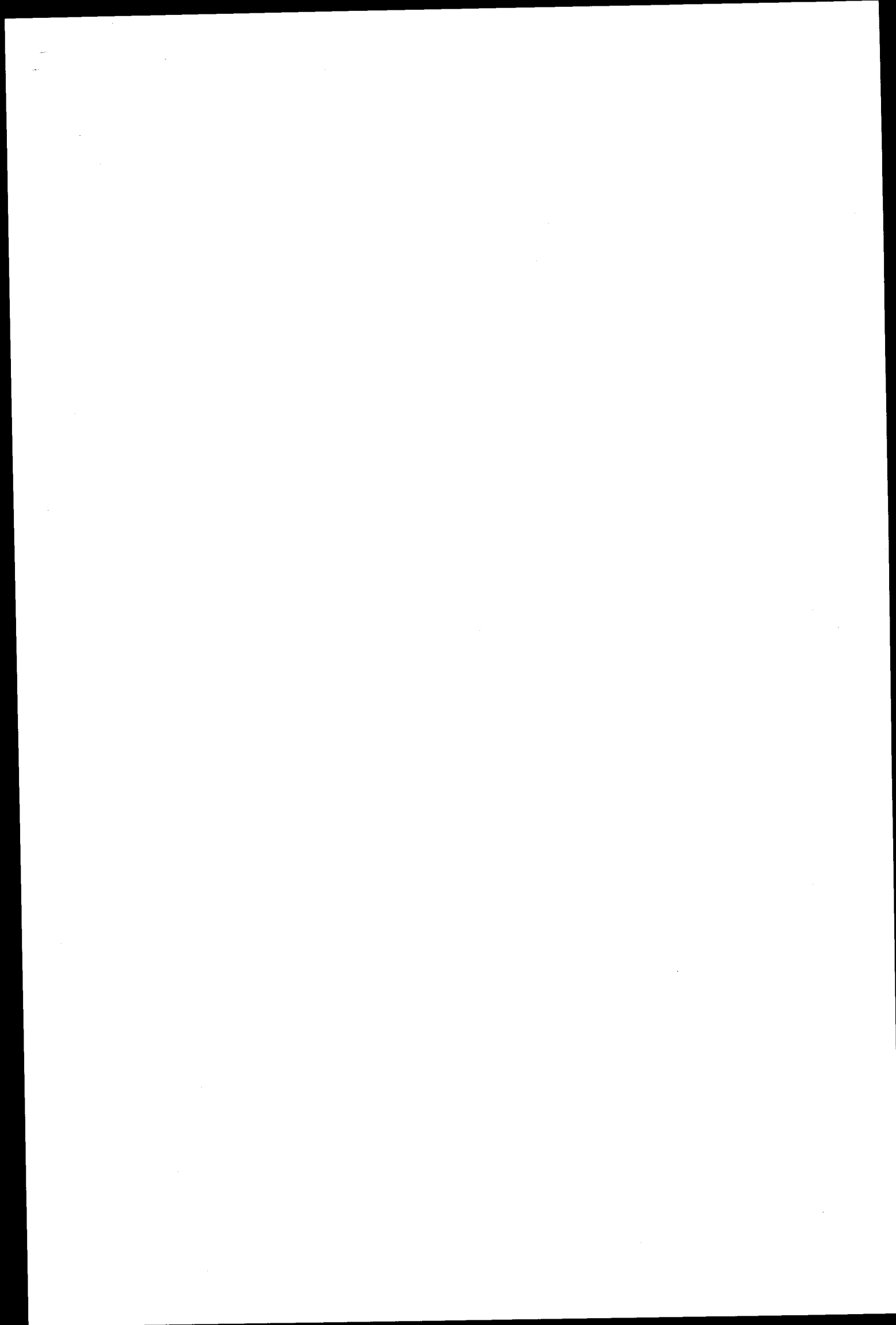
0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM
12345678901234567890	W	UPTKXMQVR	OCNFSIABDE	HRASL	BORUSIEYUEIBWIEEAG
2101	*	*	**	*	T O
2102	*	*	*		W T O
2103	*	*	*	*	T O
2104	*	**	*	*	T O
2105	*	*	*	*	U O
2106	*	*	*	*	U O
2107	**	*	*	*	W U O
2108	*	*	*	*	W U O
2109	**	**	*	*	W U K OC
2110	*	*	*	*	* W U M O
2111	*	*	*	*	U O
2112	*	*	*	*	U O
2113	*	*	*	*	W U O
2114	*	*	*	*	U O
2115	*	*	*	*	* W U OC
2116	*	*	*	*	U O
2117	*	*	*	*	W U O
2118	*	*	*	*	U O
2119	**	*	*	*	W U O
2120	**	*	*	*	W U O
2121	**	*	*	*	* W U M O
2122	*	**	*	*	W U O
2123	*	**	*	*	W U O
2124	*	**	*	*	W U O
2125	*	**	*	*	W U O
2126	*	**	*	*	W U O
2127	*	**	*	*	W U O
2128	*	**	*	*	W U O
2129	*	**	*	*	W U O
2130	*	**	*	*	W U O
2131	*	**	*	*	W U O
2132	*	**	*	*	W U O
2133	*	**	*	*	W U O
2134	*	**	*	*	W U O
2135	*	**	*	*	W U O
2136	**	**	*	*	W U O
2137	*	**	*	*	W U O
2138	*	*	*	*	W U T O
2139	*	**	*	*	* W U M O
2140	**	**	*	*	U T O
2141	**	**	*	*	U T O
2142	**	**	*	*	* W U M O
2143	*	*	*	*	U T O
2144	*	*	*	*	U T O
2145	*	**	*	*	* W U O
2146	*	*	*	*	U X O
2147	*	*	*	*	U X O
2148	*	*	*	*	U O
2149	*	*	*	*	U O
2150	*	*	*	*	U O
2151	*	**	*	*	U O
2152	*	*	*	*	U O
2153	*	**	*	*	U O
2154	*	**	*	*	U O
2155	*	**	*	*	W U O
2156	*	**	*	*	W U O
2157	*	**	*	*	W U O
2158	*	*	*	*	U O
2159	*	**	*	*	* W U O
2160	*	**	*	*	* W U T O
2161	*	*	*	*	U O
2162	*	*	*	*	U O
2163	*	*	*	*	U O
2164	*	*	*	*	U O
2165	*	*	*	*	U O
2166	*	**	*	*	U O
2167	*	*	*	*	U O
2168	*	*	*	*	U O
2169	*	*	*	*	U O
2170	*	*	*	*	U O
2171	*	*	*	*	U O
2172	*	*	*	*	U O
2173	*	*	*	*	U O
2174	*	**	*	*	U O
2175	*	*	*	*	U O
2176	*	*	*	*	W U O
2177	**	*	*	*	W U O
2178	*	**	*	*	U T O
2179	*	**	*	*	U T O
2180	**	**	*	*	U T O
2181	*	*	*	*	U O
2182	*	*	*	*	U O
2183	*	*	*	*	U O
2184	**	*	*	*	* W O
2185	**	*	*	*	* W O
2186	**	*	*	*	* W O
2187	**	*	*	*	* W O
2188	**	*	*	*	* W O
2189	**	*	*	*	* W O
2190	**	*	*	*	* W O
2191	**	*	*	*	* W O
2192	**	*	*	*	* W U O
2193	*	**	*	*	* W U O
2194	*	**	*	*	* W U O
2195	*	*	**	*	* W U O
2196	**	*	*	*	* W O
2197	**	*	*	*	* W O
2198	**	*	*	*	U T O
2199	*	*	*	*	W U O
2200	*	*	*	*	W U O

0.....1.....2.....3 -CATIONS- --ANIONS-- ZGSANMCCFTF MS NCBCM
 12345678901234567890 W UPTKXMQVR OCNFSIABDE HRASL BORUSIEYUEIBWIEEAG

** OXIDE FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3										-CATIONS-		--ANIONS--		ZGSANMCCFTF MS NCBCM	
12345678901234567890	12345678901234567890	12345678901234567890	12345678901234567890	12345678901234567890	12345678901234567890	12345678901234567890	12345678901234567890	12345678901234567890	12345678901234567890	W	UPTKXMQV	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG	MS	NCBCM
2201	*	*	*	*							W	U			
2202	*	*	*	*	*						W	U			
2203	*	*	*	*	*	*	*	*	*						
2204	*	*	*	*	*	*	*	*	*						
2205	*	*	*	*	*	*	*	*	*						
2206	*	*	*	*	*	*	*	*	*						
2207	*	*	*	*	*	*	*	*	*						
2208	*	*	*	*	*	*	*	*	*						
2209	*	*	*	*	*	*	*	*	*						
2210	*	*	*	*	*	*	*	*	*						
2211	*	*	*	*	*	*	*	*	*						
2212	*	*	*	*	*	*	*	*	*						
2213	*	*	*	*	*	*	*	*	*						
2214	*	*	*	*	*	*	*	*	*						
2215	*	*	*	*	*	*	*	*	*						
2216	*	*	*	*	*	*	*	*	*						
2217	*	*	*	*	*	*	*	*	*						
2218	*	*	*	*	*	*	*	*	*						
2219	*	*	*	*	*	*	*	*	*						
2220	*	*	*	*	*	*	*	*	*						
2221	*	*	*	*	*	*	*	*	*						
2222	*	*	*	*	*	*	*	*	*						
2223	*	*	*	*	*	*	*	*	*						
2224	*	*	*	*	*	*	*	*	*						
2225	*	*	*	*	*	*	*	*	*						
2226	*	*	*	*	*	*	*	*	*						
2227	*	*	*	*	*	*	*	*	*						
2228	*	*	*	*	*	*	*	*	*						
2229	*	*	*	*	*	*	*	*	*						
2230	*	*	*	*	*	*	*	*	*						
2231	*	*	*	*	*	*	*	*	*						
2232	*	*	*	*	*	*	*	*	*						
2233	*	*	*	*	*	*	*	*	*						
2234	*	*	*	*	*	*	*	*	*						
2235	*	*	*	*	*	*	*	*	*						
2236	*	*	*	*	*	*	*	*	*						

0.....1.....2.....3 -CATIONS- --ANIONS-- ZGSANMCCFTF MS NCBCM
123456789012345678901234567890 W UPTKXMQV OCNFSIABDE HRASLBORUSIEYUEIBWIEEAG



** CARBIDES & NITRIDES - UPDATED SEPT 1973 *

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM		
12345678901234567890	W	UPTKXMQVQR	OCNFSIABDE	HRASLBORUSIEYUE	IBWIEEAG		
2	*	**	*		V	C	2
3	*	*	*			C	3
4	*	*	*		W	C	4
5	*	*	*		U	C	5
6	*	*	*		U	C	6
7	*	**	*	*	U	C	7
8	*	**	*	*	U	C	8
9	*	**	*	*	U	N	9
10	*	*	*	*	U	C	10
11	*	*	*	*	U	N	11
12	*	*	*	*	U	F	12
13	*	*	*	*	U	V	13
14	*	*	*	*	U	V	14
15	*	*	*	*	U	V	15
16	*	*	*	*	U	M	16
17	*	**	*	*	U	P	17
18	*	**	*	*	U	P	18
19	*	**	*	*	U	P	19
20	*	**	*	*	U	P	20
21	*	**	*	*	U	P	21
22	*	**	*	*	U	P	22
23	*	**	*	*	U	P	23
24	*	**	*	*	U	P	24
25	*	**	*	*	U	P	25
26	*	**	*	*	U	P	26
27	*	**	*	*	U	P	27
28	*	**	*	*	U	P	28
29	*	**	*	*	U	P	29
30	*	**	*	*	U	P	30
31	*	**	*	*	U	P	31
32	*	**	*	*	U	P	32
33	*	**	*	*	U	P	33
34	*	**	*	*	U	P	34
35	*	**	*	*	U	P	35
36	*	**	*	*	U	P	36
37	*	**	*	*	U	P	37
38	*	**	*	*	U	P	38
39	*	**	*	*	U	P	39
40	*	**	*	*	U	P	40
41	*	**	*	*	U	P	41
42	*	**	*	*	U	P	42
43	*	**	*	*	U	P	43
44	*	**	*	*	U	P	44
45	*	**	*	*	U	P	45
46	*	**	*	*	U	P	46
47	*	**	*	*	U	P	47
48	*	**	*	*	U	P	48
49	*	**	*	*	U	P	49
50	*	**	*	*	U	P	50
51	*	**	*	*	U	P	51
52	*	**	*	*	U	P	52
53	*	**	*	*	U	P	53
54	*	**	*	*	U	P	54
55	*	**	*	*	U	P	55
56	*	**	*	*	U	P	56
57	*	**	*	*	U	P	57
58	*	**	*	*	U	P	58
59	*	**	*	*	U	P	59
60	*	**	*	*	U	P	60
61	*	**	*	*	U	P	61
62	*	**	*	*	U	P	62
63	*	**	*	*	U	P	63
64	*	**	*	*	U	P	64
65	*	**	*	*	U	P	65
66	*	**	*	*	U	P	66
67	*	**	*	*	U	P	67
68	*	**	*	*	U	P	68
69	*	**	*	*	U	P	69
70	*	**	*	*	U	P	70
71	*	**	*	*	U	P	71
72	*	**	*	*	U	P	72
73	*	**	*	*	U	P	73
74	*	**	*	*	U	P	74
75	*	**	*	*	U	P	75
76	*	**	*	*	U	P	76
77	*	**	*	*	U	P	77
78	*	**	*	*	U	P	78
79	*	**	*	*	U	P	79
80	*	**	*	*	U	P	80
81	*	**	*	*	U	P	81
82	*	**	*	*	U	P	82
83	*	**	*	*	U	P	83
84	*	**	*	*	U	P	84
85	*	**	*	*	U	P	85
86	*	**	*	*	U	P	86
87	*	**	*	*	U	P	87
88	*	**	*	*	U	P	88
89	*	**	*	*	U	P	89
90	*	**	*	*	U	P	90
91	*	**	*	*	U	P	91
92	*	**	*	*	U	P	92
93	*	**	*	*	U	P	93
94	*	**	*	*	U	P	94
95	*	**	*	*	U	P	95
96	*	**	*	*	U	P	96
97	*	**	*	*	U	P	97
98	*	**	*	*	U	P	98
99	*	**	*	*	U	P	99
100	*	**	*	*	U	P	100

** CARBIDES & NITRIDES - UPDATED SEPT 1973 *

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM
12345678901234567890	W	UPTKXMQV	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG	
101	** ** *	* W U	C		101
102	* * *	* W U P M	C N		102
103	* * *	U	C		103
104	* * *	U	C	*	104
105	* ** * *	W U P M	C	* * *	105
106	* ** * *	W U P M	C	* * *	106
107	* ** * *	U	C	*	107
108	* ** * *	U	C		108
109	* ** * *	U	C		109
110	* ** * *	U	C		110
111	* ** * *	W U U	C		111
112	* ** * *	U	C		112
113	* ** * *	W U M	C	*	113
114	* ** * *	U M M	C	* * *	114
115	* ** * *	U	C		115
116	* ** * *	U	C	*	116
117	* ** * *	U	C		117
118	* ** * *	W U M	C		118
119	* ** * *	U	C		119
120	* ** * *	U V	C		120
121	* ** * *	W U U	C I	*	121
122	* ** * *	W U U	C		122
123	* ** * *	U T	C		123
124	* ** * *	W U U	C		124
125	* ** * *	W U U	N		125
126	* ** * *	U	N		126
127	* ** * *	U	N		127
128	** ** * *	W U U	N		128
129	* ** * *	U	N		129
130	* ** * *	W U K V	C		130
131	* ** * *	P	C		131
132	* ** * *	P	C		132
133	* ** * *	P	C		133
134	* ** * *	P	C		134
135	* ** * *	W U U	C N S		135
136	* ** * *	U	C		136
137	* ** * *	U	C		137
138	* ** * *	U	I		138
139	* ** * *	U	I		139
140	* ** * *	U	N		140
141	* ** * *	U T	C		141
142	* ** * *	W U U	C		142
143	* ** * *	W U U	C		143
144	* ** * *	U P	N		144
145	* ** * *	U P	N		145
146	* ** * *	W U U	N		146
147	* ** * *	W U U	N		147
148	* ** * *	W U U	N		148
149	* ** * *	W U U	N		149
150	* ** * *	W U U	C		150
151	* ** * *	W U U	C		151
152	* ** * *	W U U	C	*	152
153	* ** * *	U	C		153
154	* ** * *	U	I		154
155	* ** * *	U P	C		155
156	* ** * *	U P	C		156
157	* ** * *	U	C		157
158	* ** * *	U	C		158
159	* ** * *	U	C		159
160	* ** * *	U	C		160
161	* ** * *	U T	C N		161
162	* ** * *	U T	C		162
163	* ** * *	U T	C N		163
164	* ** * *	U T	C		164
165	* ** * *	W U U	C		165
166	** ** * *	W U U	C		166
167	* ** * *	U	C		167
168	* ** * *	W U U	C		168
169	* ** * *	W U U	C		169
170	* ** * *	U	C	*	170
171	* ** * *	U T	F	*	171
172	* ** * *	W U U	C N		172
173	* ** * *	U	C		173
174	* ** * *	U	C		174
175	* ** * *	W U M	C		175
176	* ** * *	W U M	C N A		176
177	* ** * *	W U U	C		177
178	* ** * *	U	C		178
179	* ** * *	U	C		179
180	* ** * *	W U	C N		180
181	* ** * *	U T V	C		181
182	* ** * *	U	C		182
183	* ** * *	U	N		183
184	* ** * *	U P T	C		184
185	* ** * *	U P T	C		185
186	* ** * *	U	C		186
187	* ** * *	U P	C N		187
188	* ** * *	U P T	C		188
189	* ** * *	U P T	C		189
190	* ** * *	U	N		190
191	* ** * *	U	F		191
192	* ** * *	U	F S		192
193	* ** * *	W U U	C		193
194	* ** * *	W U U	C		194
195	* ** * *	U	C		195
196	* ** * *	U	C		196
197	* ** * *	W M	N		197
198	* ** * *	W M	N		198
199	* ** * *	U T V	S		199
200	* ** * *	U T	N		200

** CARBIDES & NITRIDES - UPDATED SEPT 1973 *

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM							
12345678901234567890	W	UPTKXMQV	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG								
201	*	**				P	C					201
202	*	*	*		*	UP	C	I				202
203	**	**	*			WU	C			*		203
204	*	**	*	*		WU	C					204
205	*	*	*		*	U	C					205
206	**	**	*		*	UP	CN					206
207	*	*	*		*		N					207
208	*	*	*	**		U	CN					208
209	*	**	*		*		M	E				209
210	*	**	*		*		M	E				210
211	**	**	*		*	UP	CN					211
212	*	**	*		*		M					212
213	*	**	*		*		M					213
214	*	*	*	**		U	CN					214
215	**	**	*	**			N	E				215
216	*	*	*	*	*	WU	C					216
217	*	*	*	*	*	U	C					217
218	*	*	*	*	*	*WUPT	N	S				218
219	*	*	*	*	*	W	V	C				219
220	*	*	*	*	*	W	V	C	F			220
221	*	*	*	*	*	W	V	C	F			221
222	**	*	*	*	*	W	M	N				222
223	*	**	*	*	*		M	N				223
224	**	**	*	*	*	WU	C					224
225	*	**	*	*	*	WU	C					225
226	*	*	*	*	*	WU	C					226
227	*	*	*	*	*	WU	C					227
228	*	**	*	*	*	UT	N	S				228
229	*	*	*	*	*	U		E				229
230	*	*	*	*	*	U	C					230
231	*	*	*	*	*	U	C					231
232	*	*	*	*	*	U	C					232
233	*	*	*	*	*	U	C					233
234	*	*	*	*	*	U	C	F				234
235	*	*	*	**	*	U	C	S				235
236	*	*	*	*	*	UT	K					236
237	*	*	*	*	*	U	OC					237
238	*	*	*	*	**	WUPT	CN					238
239	*	*	*	*	*	WU	CN					239
240	*	*	*	*	*	U		I				240
241	*	*	*	**	*	*WU	CNFS					241
242	*	*	*	**	**	WU	CN					242
243	*	**	*	*	*	WU	N					243
244	*	*	*	*	*	WU	N					244
245	*	*	*	*	*	U	C					245
246	*	*	*	*	*	U	C	N				246
247	*	*	*	*	*	W	V	C				247
248	*	*	*	*	*	U	C					248
249	*	*	*	*	**	*P	C					249
250	*	*	*	*	*	WU	CN	E				250
251	*	*	*	*	*	U	C					251
252	**	*	*	*	*	U	V	FS				252
253	*	*	*	*	*	U	F	S		*		253
254	*	*	*	*	*	T	S					254
255	*	*	*	*	*	T	S					255
256	*	*	*	*	*	W	M	D				256
257	*	*	*	*	*	U	C					257
258	*	*	*	*	*	U	F			*		258
259	*	**	*	*	*	U	F			*		259
260	*	*	*	*	*	W	M	C				260
261	*	*	*	*	*	U	C					261
262	*	**	*	*	*	*WU	C					262
263	*	*	*	*	*	WU	C					263
264	*	**	*	*	*	U	N					264
265	**	**	*	*	*	*WU	N					265
266	*	**	*	*	*	WUP	CN					266
267	*	*	*	*	*	U	S					267
268	*	*	*	**	*	W	M	N				268
269	*	*	*	**	**	*WU	C					269
270	*	**	*	*	*	WU	C					270
271	*	**	*	*	*	WU	M	N				271
272	*	*	*	*	*	WU	C					272
273	*	*	*	*	*	WU	C					273
274	*	*	*	*	*	U	C					274
275	*	**	*	*	*	U	CN					275
276	*	*	*	**	*	*WU	C	I				276
277	*	*	*	*	*	U	C					277
278	*	**	*	*	*	*WU	M	CN				278
279	*	*	*	*	*	U	C					279
280	*	*	*	**	*	U	C					280
281	*	*	*	*	*	WU	C					281
282	*	**	*	*	*	*P	C					282
283	*	*	*	*	*	U	C					283
284	*	*	*	*	*	U	C					284
285	**	**	*	*	*	*U	C					285
286	**	*	*	*	*	UPT	C					286
287	*	*	*	*	*	U	C					287
288	*	*	*	*	*	U	C					288
289	*	*	*	*	*	U	C					289
290	*	*	*	*	*	U	V	S				290
291	*	*	*	*	*	U	S					291
292	*	**	*	**	**	WUT	C	*				292
293	*	**	*	**	**	WUT	C	*				293
294	*	**	*	**	**	WU	C					294
295	*	**	*	**	**	WUT	C	*				295
296	*	**	*	**	**	WUT	C	*				296
297	*	*	*	*	*	U	CNF					297
298	*	*	*	*	*	U	CN					298
299	*	*	*	**	**	W P	FS					299
300	*	*	*	*	*	W UPT	FS					300

0.....1.....2.....3 -CATIONS- --ANIONS-- ZGSANMCCFTF MS NCBCM
12345678901234567890 W UPTKXMQV OCNFSIABDE HRASLBORUSIEYUEIBWIEEAG

** CARBIDES & NITRIDES - UPDATED SEPT 1973 *

0.....1.....2.....3		-CATIONS--ANIONS-		ZGSANMCCFTF MS NCBCM	
12345678901234567890	W	UPTKXMQV	OCNFSIABDE	HRASL	BORUSIEYUEIBWIEEAG
301	*	*	*		P N
302	*	*	*		W U C
303	**	*	*		W U M C
304	*	*	*	*	W U T V CN
305	*	*	*	*	U U C
306	*	*	*	*	U U C
307	*	*	*	*	U U N
308	*	*	*	*	U U C
309	*	*	*	*	U U C SI
310	*	*	*	*	U U C
311	*	**	**	*	W U C
312	*	**	**	*	W U C
313	**	**	**	*	U U F
314	*	*	*	*	U U F
315	*	*	*	*	U U F
316	*	*	*	*	W U A
317	*	*	*	*	U U V
318	*	**	**	*	W U C
319	*	*	*	*	W U C
320	*	*	*	*	U P C
321	*	*	*	*	U C S
322	*	**	**	*	M C
323	*	**	**	*	M C
324	*	**	**	*	UP C
325	*	*	*	*	P X S
326	*	**	**	*	U P M CNFSI
327	*	**	**	*	W P XM N
328	*	*	*	*	W P C
329	*	**	**	*	UPT C
330	*	*	*	*	UPT C
331	*	*	*	*	U N
332	*	**	**	*	W M OC
333	*	**	**	*	W M N
334	*	*	*	*	U C
335	*	**	**	*	U C
336	*	*	*	*	UP C
337	*	*	*	*	U U C S
338	**	**	**	**	U U CN I
339	*	**	**	*	U U E
340	*	*	*	*	W M C
341	*	*	*	*	W U CN I
342	*	*	**	*	U U K OC
343	**	*	*	*	W C
344	**	**	*	*	W C
345	*	*	*	*	W UP M C
346	*	*	*	*	W U M C
347	*	*	*	*	U U C
348	*	*	*	*	U U T S
349	*	*	*	*	U U T S
350	*	*	*	*	U U T S
351	*	*	*	*	U U C S
352	**	**	**	*	W M C
353	**	**	**	*	W M C
354	**	**	**	*	W M C
355	*	**	**	*	W M C
356	*	*	*	*	U U C
357	*	*	*	*	U U C
358	*	*	*	*	U U C
359	*	*	*	*	U U I
360	*	**	*	*	U S
361	*	*	*	*	W M CN
362	*	*	*	*	W M CN
363	*	**	*	*	W M C
364	*	**	*	*	W M C
365	*	**	*	*	W U C
366	*	**	**	*	U U S
367	*	*	*	*	W M O
368	*	*	*	*	W U N
369	*	*	*	*	W U N
370	*	*	*	*	W U N
371	*	*	*	*	W U N
372	*	*	*	*	W U N
373	*	*	*	*	W U N
374	*	**	*	*	U T N
375	*	**	*	*	U T N
376	*	*	*	*	U N
377	*	*	*	*	U T C
378	*	*	*	*	U T C
379	**	*	*	*	U U C
380	*	*	*	*	W U K OC
381	*	**	*	*	W U N
382	**	*	*	*	W M CN
383	**	**	*	*	W M CN
384	*	*	*	*	W M N
385	*	*	*	*	U N
386	*	*	*	*	U S
387	*	*	*	*	U S
388	*	**	*	*	W U P FS
389	*	**	*	*	W U C
390	*	*	*	*	W U P X F
391	*	**	**	*	W U K C I
392	*	*	*	*	W U N
393	*	*	*	*	W U N
394	*	*	*	*	W U N
395	*	**	*	*	U T C
396	*	*	*	**	W U CN
397	*	**	*	*	W U CN
398	*	*	*	*	U C
399	*	*	**	*	U C
400	*	*	**	*	P C

** CARBIDES & NITRIDES - UPDATED SEPT 1973 *

0.....1.....2.....3			-CATIONS--ANIONS--		ZGSANMCCFTF	MS	NCBCM	
123456789012345678901234567890	W	UPTKXMQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG				
401	*	*	**	*		P	C	401
402	*	*	*	*		P	C	402
403	*	**	**	**	*	W	P	403
404	*	**	**	*		P	C	404
405	*	*	*	*	*	P	C FS	405
406	*	*	*	*		P	C FS	406
407	*	*	*	*	*	P	S	407
408	*	**	*	*	*	P	FS	408
409	*	*	*	*	*	P	FS	409
410	*	*	*	*	*	P	C FS	410
411	*	**	**	**	*	P	C FS	411
412	*	*	*	*	*	W	P	412
413	*	*	*	*	*	U	FS	413
414	*	*	*	*	*	UP	FS	414
415	*	*	**	*	*	W	U	415
416	**	*	*	*	*	U	NF	416
417	*	*	*	*	*	W	U	417
418	*	*	*	*	*	P	C	418
419	**	*	*	*	*	UP	CN	419
420	*	**	*	*	*	W	UPT	420
421	*	*	*	*	*	U	A	421
422	*	*	*	*	*		N	422
423	*	*	**	*	*	W	M	423
424	*	*	**	*	*	W	M	424
425	*	*	*	*	*	W	UP	425
426	*	*	*	*	*		M	426
427	*	*	*	*	*	UP	C	427
428	*	*	*	*	*	W	UP	428
429	*	*	*	*	*	W	M	429
430	*	**	**	*	*	W	M	430
431	*	*	**	*	*	W	M	431
432	*	*	**	*	*	W	M	432
433	*	*	*	*	*	U	I	433
434	*	**	*	*	*	U	C	434
435	*	**	*	*	*	U	C	435
436	*	*	**	*	*	U	C	436
437	*	*	*	*	*	U	C	437
438	*	*	*	*	*	U	C	438
439	*	**	*	*	*	W	U	439
440	**	*	*	*	*	W	M	440
441	*	*	**	*	*	*	C	441
442	*	**	*	*	*	W	U	442
443	*	*	*	*	*		M	443
444	*	*	*	*	*		M	444
445	*	*	*	*	*	W	U	445
446	*	*	*	*	**	W	U	446
447	*	*	*	*	*	T	OC	447
448	**	**	*	*	*	W	U	448
449	**	**	*	*	*	W	U	449
450	*	*	*	*	*	U	I	450
451	*	**	*	*	*	U	C	451
452	*	*	*	*	*	U	C	452
453	*	*	*	*	*	U	S	453
454	*	*	*	*	*	U	S	454
455	*	*	*	*	*	U	NFS	455
456	**	**	*	*	*	W	M	456
457	*	*	*	*	*	U	OC	457
458	**	*	**	*	*	W	M	458
459	*	*	*	*	*	UP	N	459
460	*	*	*	*	*	U	N	460
461	*	*	*	*	*	U	N	461
462	**	*	*	*	*	U	N	462
463	*	*	*	*	**	W	CN	463
464	*	*	*	*	*	W	C	464
465	*	*	*	*	*	W	N	465
466	*	*	*	*	*	W	M	466
467	*	*	*	*	*	W	N	467
468	*	*	*	*	*	W	M	468
469	*	*	*	*	*	W	M	469
470	*	*	*	*	*	W	N	470
471	*	**	*	*	*	U	S	471
472	*	*	*	*	*	U	C	472
473	**	*	*	*	*	W	C	473
474	*	**	*	*	*	W	C	474
475	*	*	*	*	*	W	N	475
476	*	**	*	*	*	W	M	476
477	*	*	*	*	*	W	C	477
478	*	*	*	*	*	W	C	478
479	*	*	*	*	*	W	C	479
480	*	*	*	*	*	W	C	480
481	*	**	*	*	*	U	C	481
482	*	**	*	*	*	U	C	482
483	*	**	*	*	*	W	CNFS	483
484	*	**	*	*	*	W	CNFS	484
485	*	*	*	**	*	W	CNF	485
486	*	*	*	*	*	T	F	486
487	*	*	*	*	*	W	C	487
488	**	**	*	*	*		M	488
489	**	**	*	*	*	W	CN	489
490	*	**	*	*	*	W	C	490
491	*	*	*	*	*	W	C	491
492	*	**	*	*	*	W	C	492
493	*	**	*	*	*	W	C	493
494	*	*	*	*	*	U	I	494
495	*	*	*	*	*	U	B	495
496	*	*	*	*	*	U	N	496
497	*	*	*	*	*	U	N	497
498	*	*	*	*	*	U	N	498
499	*	*	*	*	*	U	N	499
500	*	*	*	*	*	U	N	500

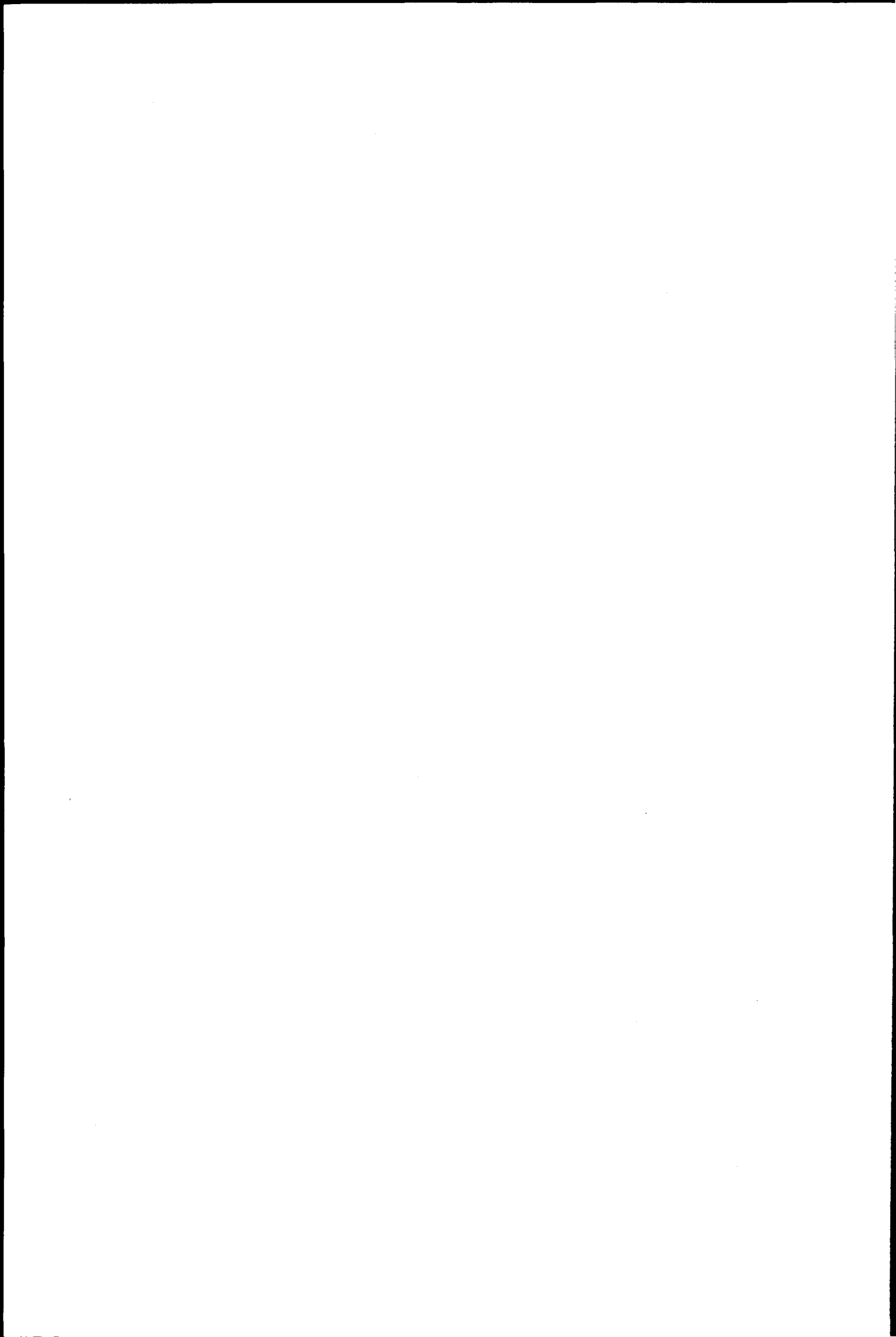
** CARBIDES & NITRIDES - UPDATED SEPT 1973 *

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM	
12345678901234567890	W	UPTKXMQR	OCNFSIABDE	HRASLBORUSIEYUE	IBWIEEAG	
601	*	**	*		W U K V C	601
602	*	**	*		W U C	602
603	*	*	*		W U N	603
604	*	*	*	*	P CN	604
605	*	*	*	*	P C	605
606	*	**	*	*	P C	606
607	*	**	*	*	P C	607
608	*	*	*	*	M C	608
609	*	*	*	*	M C	609
610	*	*	*	*	M C	610
611	*	*	**	*	* W U C	611
612	*	*	**	*	* W U C	612
613	*	*	*	*	P C	613
614	*	*	*	*	P C	614
615	*	*	*	**	* W U N	615
616	*	*	*	*	W U C	616
617	*	*	**	*	W U C	617
618	*	**	**	*	M C	618
619	*	**	*	**	U C	619
620	*	*	*	*	U C	620
621	*	*	*	*	* W U S	621
622	*	*	*	*	U CN	622
623	*	*	*	*	U I	623
624	*	*	*	*	W U C	624
625	*	*	*	*	U C	625
626	**	*	*	*	* W U C	626
627	**	**	*	*	U C	627
628	**	*	*	*	* W U C	628
629	*	*	*	*	W U C	629
630	*	*	*	*	U N	630
631	*	*	*	*	U C	631
632	*	*	**	*	* W U M	632
633	*	*	**	*	* W U M	633
634	*	*	**	*	* W M	634
635	*	*	*	*	U C	635
636	*	*	*	*	W U K V C	636
637	*	*	*	*	W U V C	637
638	*	*	*	*	T S	638
639	*	*	*	*	P C	639
640	*	*	*	*	X C	640
641	*	*	*	*	* W U P X M CN	641
642	*	**	*	*	T C	642
643	*	*	*	*	U N	643
644	*	*	*	*	U N	644
645	*	*	*	*	U N	645
646	**	*	*	*	W U O	646
647	**	**	**	**	* W M A	647
648	**	**	**	**	* W M A	648
649	**	**	**	**	* W M C	649
650	**	**	*	*	* W M C	650
651	**	**	*	*	* W U M C	651
652	**	*	*	*	* W M	652
653	*	**	*	*	W M CN D	653
654	*	**	*	*	W M CN	654
655	*	*	*	*	W U K V OC	655
656	*	*	*	*	U C	656
657	*	*	*	*	W U C	657
658	**	**	**	**	* W U CN I	658
659	*	**	**	*	* W U P M CNFS	659
660	*	*	*	*	U C	660
661	*	**	*	*	* W U T V S	661
662	*	**	*	*	* W U T S	662
663	*	**	*	*	* W U T S	663
664	*	**	*	*	* W U V S	664
665	*	*	*	*	W U S	665
666	*	**	*	*	U O S	666
667	*	*	*	*	U O S	667
668	*	**	*	*	W U C	668
669	**	*	*	*	* W U C	669
670	*	*	*	*	P M C	670
671	*	*	*	*	P M C	671
672	*	*	*	*	P M C	672
673	*	**	*	**	* W U M	673
674	*	*	*	*	* W U C	674
675	*	*	*	*	* W U C	675
676	*	*	*	*	* W U S	676
677	*	*	*	*	* W U C	677
678	*	*	*	*	* W U C	678
679	*	*	*	*	* W U C	679
680	*	**	*	*	* W U P N	680
681	*	**	*	**	* W U N	681
682	*	**	*	**	* W U N	682
683	**	*	*	*	* W U C	683
684	**	**	*	*	* W U C	684
685	**	**	*	**	* W M C	685
686	*	*	*	**	* W M C	686
687	*	*	*	*	U F	687
688	*	*	*	*	U F	688
689	*	**	*	*	* W U K V C	689
690	*	**	*	*	* W U K V C	690
691	*	*	*	*	* W U TK C	691
692	*	*	*	*	* W V C	692
693	*	**	*	*	* P I	693
694	*	**	*	*	* P I	694
695	*	**	*	*	* U C	695
696	*	**	*	*	* U C	696
697	*	**	*	*	* U C	697
698	*	**	*	**	* UP C	698
699	*	**	*	**	* W U C	699
700	*	**	*	*	W U C	700

** CARBIDES & NITRIDES - UPDATED SEPT 1973 *

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM	
12345678901234567890	W	UPTKXMVQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG		
801	*	*	*			* W U C 801
802	*	*	*			* W U C S 802
803	*	*	*			* W U C 803
804	*	*	*			* W U N 804
805	*	*	*			* W U N 805
806	*	*	*			* W U N 806
807	*	*	*	*	*	* W M C 807
808	*	*	*	*	*	* W M C 808

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM	
12345678901234567890	W	UPTKXMVQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG		



** CERMETS - UPDATED SEPT 1973 ***

0.....1.....2.....3		-CATIONS- --ANIONS--		ZGSANMCCFTF	MS	NCBCM
123456789012345678901234567890	W	UPTKXMVQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG		
2	*	*	*	*		2
3	*	*	*	*		3
4	*	*	*	*		4
5	*	*	*	*		5
6	*	*	*	*		6
7	*	*	*	*		7
8	*	*	*	*		8
9	*	*	*	*		9
10	*	*	*	*		10
11	*	*	*	*		11
12	*	*	*	*		12
13	*	*	*	*		13
14	*	*	*	*		14
15	*	*	*	*		15
16	*	*	*	*		16
17	*	*	*	*		17
18	*	*	*	*		18
19	*	*	*	*		19
20	*	*	*	*		20
21	*	*	*	*		21
22	*	*	*	*		22
23	*	*	*	*		23
24	*	*	*	*		24
25	*	*	*	*		25
26	*	*	*	*		26
27	*	*	*	*		27
28	*	*	*	*		28
29	*	*	*	*		29
30	*	*	*	*		30
31	*	*	*	*		31
32	*	*	*	*		32
33	*	*	*	*		33
34	*	*	*	*		34
35	*	*	*	*		35
36	*	*	*	*		36
37	*	*	*	*		37
38	*	*	*	*		38
39	*	*	*	*		39
40	*	*	*	*		40
41	*	*	*	*		41
42	*	*	*	*		42
43	*	*	*	*		43
44	*	*	*	*		44
45	*	*	*	*		45
46	*	*	*	*		46
47	*	*	*	*		47
48	*	*	*	*		48
49	*	*	*	*		49
50	*	*	*	*		50
51	*	*	*	*		51
52	*	*	*	*		52
53	*	*	*	*		53
54	*	*	*	*		54
55	*	*	*	*		55
56	*	*	*	*		56
57	*	*	*	*		57
58	*	*	*	*		58
59	*	*	*	*		59
60	*	*	*	*		60
61	*	*	*	*		61
62	*	*	*	*		62
63	*	*	*	*		63
64	*	*	*	*		64
65	*	*	*	*		65
66	*	*	*	*		66
67	*	*	*	*		67
68	*	*	*	*		68
69	*	*	*	*		69
70	*	*	*	*		70
71	*	*	*	*		71
72	*	*	*	*		72
73	*	*	*	*		73
74	*	*	*	*		74
75	*	*	*	*		75
76	*	*	*	*		76
77	*	*	*	*		77
78	*	*	*	*		78
79	*	*	*	*		79
80	*	*	*	*		80
81	*	*	*	*		81
82	*	*	*	*		82
83	*	*	*	*		83
84	*	*	*	*		84
85	*	*	*	*		85
86	*	*	*	*		86
87	*	*	*	*		87
88	*	*	*	*		88
89	*	*	*	*		89
90	*	*	*	*		90
91	*	*	*	*		91
92	*	*	*	*		92
93	*	*	*	*		93
94	*	*	*	*		94
95	*	*	*	*		95
96	*	*	*	*		96
97	*	*	*	*		97
98	*	*	*	*		98
99	*	*	*	*		99
100	*	*	*	*		100

** METALLIC FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCH	
12345678901234567890	W	UPTKXMVQR	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG		
2	*	*		U	*	2
3	*	*		P	*	3
4	*	*	*	UP	*	4
5	*	*		P		5
6			**	W	T	6
7	*	**	**	W	P	7
8	*	**	**	W	T	8
9	***	*	*	W	U	9
10	*	*	*	W	T	10
11	*	*	*	W	M	11
12	*	*	*	W	M	12
13	*	*	*	W	M	13
14	*	*	*	W	U	14
15	*	*	*	W	M	15
16	*	*	*	W	M	16
17	*	*	*	W	U	17
18	*	*	*	W	M	18
19	*	*	*	W	M	19
20	*	*	*	W	U	20
21	*	*	*	W	U	21
22	*	*	*	U	M	22
23	*	*	*	U		23
24	*	*	*	U		24
25	*	*	*	U		25
26	*	*	*	W	U	26
27	*	*	*	W	P	27
28	*	**	*	W	T	28
29	*	**	*	W	U	29
30	*	*	*	W	P	30
31	*	*	*	W	P	31
32	*	*	*	W	U	32
33	*	*	*	W	U	33
34	*	*	*	W	U	34
35	**	*	*	U		35
36	**	*	*	U		36
37	*	*	*	W	M	37
38	*	*	*	W	O	38
39	*	*	*	P		39
40	*	*	*	P		40
41	*	**	*	W	P	41
42	*	*	*	W	P	42
43	*	*	*	W	U	43
44	*	*	*	W	P	44
45	*	*	*	U	M	45
46	**	**	*	U		46
47	*	*	**	P		47
48	*	*	*	P		48
49	*	**	*	P		49
50	*	*	*	P		50
51	*	*	*	W	P	51
52	*	*	*	P		52
53	*	*	*	P		53
54	*	*	*	P		54
55	*	*	*	U		55
56	*	**	*	U		56
57	*	*	*	W	M	57
58	**	*	*	W	U	58
59	*	*	*	U		59
60	*	*	*	U		60
61	**	**	*	U		61
62	*	**	*	U	T	62
63	*	*	*	W	U	63
64	**	*	*	W	U	64
65	*	*	*	W	M	65
66	*	*	*	W	U	66
67	*	**	*	W	U	67
68	*	*	*	W	U	68
69	*	*	*	W	U	69
70	*	*	**	W	U	70
71	*	*	**	W	T	71
72	*	*	**	W	T	72
73	*	*	*	U	T	73
74	*	*	*	UP		74
75	*	*	*	W	V	75
76	*	*	*	W	M	76
77	*	*	*	UPT		77
78	*	*	*	U		78
79	*	*	*	U	T	79
80	*	*	*	U		80
81	*	*	*	U	T	81
82	*	*	*	W	U	82
83	*	*	*	W	U	83
84	*	*	*	W	M	84
85	**	*	*	U		85
86	**	*	*	W	U	86
87	*	*	*	U		87
88	*	*	*	U		88
89	***	**	*	U		89
90	***	**	*	U		90
91	*	*	*	W	M	91
92	**	*	*	W	R	92
93	**	*	*	U		93
94	*	*	*	U		94
95	*	*	*	W	T	95
96	*	*	*	U		96
97	*	*	*	U	T	97
98	*	*	*	W	U	98
99	*	*	*	W	U	99
100	*	*	**	W	U	100

** METALLIC FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3			-CATIONS- --ANIONS--		ZGSANMCCFTF	MS	NCBCM	
12345678901234567890	W	UPTKXMQV	OCNFSIABDE	HRASLBORUSIEYUEIBWIEEAG				
101	*	*	**	*	U			101
102	*	**		*	W	M	*	102
103	*	*		*	W	M		103
104	*	*		*	P		*	104
105	*	*		*	U			105
106	*	**	*	*	U			106
107	*	*		*	U			107
108	*	*		*	U			108
109	*	*		*	P			109
110	*	*		*	P			110
111	*	*		*	P			111
112	**	*		*	P			112
113	*	*		*	X			113
114	**	*		*	P			114
115	**	*		*	X			115
116	*	*		*	U			116
117	*	*		*	U			117
118	*	*		*	U			118
119	*	*		*	T			119
120	*	*		*	U			120
121	*	*		*	W	U		121
122	*	*		*	W	T		122
123	*	*		*	W	U	*	123
124	*	*	*	*	W	U	*	124
125	*	*		*	U		*	125
126	**	*		*	U		*	126
127	*	**		*	P			127
128	*	**		*	P			128
129	*	**		*	P			129
130	**	*		*	U	X		130
131	**	*		*	U	X		131
132	**	*		*	U	X		132
133	*	**		*	T			133
134	*	*		*	W	U		134
135	*	*		*	U		*	135
136	*	*		*	V			136
137	*	*		*	T			137
138	*	*	**	*	T			138
139	*	*	**	*	P			139
140	*	*	*	*	P			140
141	**	*	**	*	W	M	*	141
142	**	*	*	*	U		*	142
143	*	**	*	*	W		*	143
144	*	**	*	*	W		*	144
145	*	*	*	**	U		*	145
146	*	*	*	*	P			146
147	*	*	*	*	T		*	147
148	*	*	*	*	U			148
149	*	*	*	*	U			149
150	*	*	*	*	P			150
151	*	*	*	*	U			151
152	*	*	*	*	X			152
153	*	*	*	*	X			153
154	*	*	*	*	T			154
155	*	*	*	*	U			155
156	*	*	*	*	U			156
157	*	*	*	*	U			157
158	*	*	*	*	W	T		158
159	*	*	*	*	W	T		159
160	*	*	*	*	W	U		160
161	*	*	*	*	W	U		161
162	*	*	*	*	W	U		162
163	*	*	*	*	W	T		163
164	*	*	*	*	W	U		164
165	*	*	*	*	W	U		165
166	*	*	**	*	T			166
167	*	*	**	*	T			167
168	*	**	*	*	P			168
169	*	**	*	*	P			169
170	*	*	*	*	W	U		170
171	*	*	*	*	W	U	*	171
172	*	*	*	*	W	U	*	172
173	*	*	*	*	W	U	*	173
174	*	*	*	*	T			174
175	*	*	*	*	W	U	*	175
176	*	*	*	*	W	U	*	176
177	*	*	*	*	W	U	*	177
178	*	*	*	*	W	U	*	178
179	*	*	*	*	W	U	*	179
180	*	*	*	*	W	U	*	180
181	*	*	*	*	W	U	*	181
182	*	*	*	*	U			182
183	*	*	*	*	P			183
184	*	*	*	*	U			184
185	*	*	*	*	U			185
186	*	*	*	*	W	U	*	186
187	*	*	*	*	W	U	*	187
188	**	*	*	*	W	U	*	188
189	*	*	*	*	W	U	*	189
190	**	*	*	*	W	U	*	190
191	*	*	*	*	W	U	*	191
192	*	*	*	*	W	U	*	192
193	*	*	**	*	P		*	193
194	*	**	*	*	U		*	194
195	*	*	*	*	U		*	195
196	*	*	*	*	U		*	196
197	*	*	*	*	U		*	197
198	*	*	*	*	P		*	198
199	*	*	*	*	W	M	*	199
200	*	*	*	**	W	M	*	200

** METALLIC FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3		-CATIONS--ANIONS--		ZGSANMCCFTF	MS	NCBCM
12345678901234567890		W UPTKXMQVROCNFSIABDE		HRASLBORUSIEYUEIBWIEEAG		
201	*	*	*	W	M	
202	*	*	**	W	M	*
203	*	*	*	W	U	
204	*	*	**	W	UPT	
205	*	*	*	W	U	*
206	*	*	*	P	P	
207	*	**	*	P	P	
208	*	*	*	P	P	
209	*	*	*	P	P	
210	*	*	*	P	P	
211	*	*	*	P	P	*
212	*	**	*	P	P	*
213	*	*	*	P	P	
214	*	*	*	P	P	
215	*	*	**	P	P	
216	*	*	*	P	P	*
217	*	*	*	U	T	*
218	*	*	*	P	P	
219	*	*	*	P	P	
220	*	*	*	P	P	
221	*	*	*	U	U	*
222	*	*	*	U	U	*
223	*	*	*	W	U	
224	*	**	*	U	T	
225	**	*	*	W	U	
226	*	*	*	W	U	
227	*	*	*	W	U	X
228	*	*	*	W	P	
229	*	*	*	W	U	*
230	*	*	*	W	U	*
231	*	*	*	W	U	V
232	*	*	*	X	X	
233	*	*	*	X	X	
234	*	*	*	W	U	
235	*	*	*	W	U	
236	*	*	*	W	U	*
237	*	*	*	W	U	V
238	*	*	*	W	U	VQ
239	*	*	*	W	U	
240	*	*	*	W	U	
241	*	*	*	W	U	
242	*	*	**	U	U	
243	*	*	*	U	U	
244	*	*	*	U	U	
245	*	*	*	W	U	
246	*	*	*	W	U	
247	**	*	*	W	U	
248	*	*	**	W	U	P
249	*	*	*	W	U	P
250	*	*	**	W	U	T
251	*	**	**	W	U	P
252	*	*	*	W	U	P
253	*	*	*	W	U	P
254	*	**	*	W	U	X
255	*	*	*	W	U	X
256	*	*	*	W	U	
257	*	*	*	W	U	
258	*	*	*	W	U	P
259	*	**	*	W	U	P
260	*	*	*	U	U	
261	*	*	*	U	U	
262	*	*	*	U	U	
263	*	*	*	U	U	
264	*	*	*	P	P	*
265	*	*	*	UPT	U	*
266	*	*	**	U	U	
267	*	*	*	W	U	V
268	*	*	*	W	U	V
269	*	*	*	T	T	
270	*	*	*	UP	P	X
271	*	*	*	P	P	
272	*	*	*	P	P	X
273	*	*	*	UPT	U	
274	*	*	*	P	P	
275	*	*	*	P	P	
276	*	*	*	P	P	
277	*	**	*	W	T	*
278	*	**	*	W	T	*
279	*	*	*	W	U	*
280	*	*	*	W	U	*
281	*	*	*	W	P	X
282	*	*	*	W	P	
283	*	*	*	W	U	
284	*	*	*	P	P	
285	*	*	*	P	P	X
286	*	**	*	U	U	*
287	*	*	*	U	T	
288	*	*	**	W	U	
289	*	*	*	W	U	
290	*	*	*	P	P	
291	*	*	*	W	U	
292	*	*	*	W	U	
293	*	**	*	W	U	**
294	*	*	*	P	P	*
295	*	*	*	UPT	X	
296	*	**	*	P	P	
297	*	**	*	W	UPT	X
298	*	*	*	U	U	
299	*	*	*	U	U	
300	*	*	*	U	U	

** METALLIC FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM
12345678901234567890	W	UPTKXMQV	OCNFSIABDE	H	RASLBORUSIEYUEIBWIEEAG
401	*	*	*		
402	**	**			
403	**	**	*	**	
404	*	*			
405	*	*	*	*	*
406	**	**	*	*	*
407	****	*	*	*	*
408	*	*	*	*	*
409	*	*	*	*	*
410	*	*	*	*	*
411	**	**	*	*	*
412	*	*	*	*	*
413	*	*	*	*	*
414	*	*	*	*	*
415	*	*	*	*	*
416	*	*	*	*	*
417	*	*	*	*	*
418	*	*	*	*	*
419	*	*	*	*	*
420	*	*	*	*	*
421	*	*	*	*	*
422	*	*	*	*	*
423	*	*	*	*	*
424	*	*	*	*	*
425	**	**	*	*	*
426	*	*	*	*	*
427	*	*	*	*	*
428	**	**	*	*	*
429	*	*	*	*	*
430	*	*	*	*	*
431	*	*	*	*	*
432	*	*	*	*	*
433	*	*	*	*	*
434	*	*	*	*	*
435	**	**	*	*	*
436	**	**	*	*	*
437	*	*	*	*	*
438	*	*	*	*	*
439	*	*	*	*	*
440	*	*	*	*	*
441	*	*	*	*	*
442	**	**	*	*	*
443	*	*	*	*	*
444	*	*	*	*	*
445	*	*	*	*	*
446	*	*	*	*	*
447	*	*	*	*	*
448	*	*	*	*	*
449	*	*	*	*	*
450	*	*	*	*	*
451	*	*	*	*	*
452	*	*	*	*	*
453	**	**	*	*	*
454	*	*	*	*	*
455	*	*	*	*	*
456	*	*	*	*	*
457	*	*	*	*	*
458	*	*	*	*	*
459	*	*	*	*	*
460	*	*	*	*	*
461	*	*	*	*	*
462	**	**	*	*	*
463	*	*	*	*	*
464	*	*	*	*	*
465	*	*	*	*	*
466	*	*	*	*	*
467	*	*	*	*	*
468	*	*	*	*	*
469	*	*	*	*	*
470	*	*	*	*	*
471	*	*	*	*	*
472	*	*	*	*	*
473	*	*	*	*	*
474	*	*	*	*	*
475	*	*	*	*	*
476	*	*	*	*	*
477	*	*	*	*	*
478	*	*	*	*	*
479	*	*	*	*	*
480	*	*	*	*	*
481	*	*	*	*	*
482	*	*	*	*	*
483	**	**	*	*	*
484	*	*	*	*	*
485	*	*	*	*	*
486	*	*	*	*	*
487	*	*	*	*	*
488	*	*	*	*	*
489	*	*	*	*	*
490	**	**	*	*	*
491	*	*	*	*	*
492	*	*	*	*	*
493	*	*	*	*	*
494	*	*	*	*	*
495	*	*	*	*	*
496	**	**	*	*	*
497	*	*	*	*	*
498	**	**	*	*	*
499	*	*	*	*	*
500	*	*	*	*	*

** METALLIC FUELS - UPDATED SEPT 1973 **

0.....1.....2.....3	-CATIONS-	--ANIONS--	ZGSANMCCFTF	MS	NCBCM			
12345678901234567890	W	UPTKXMQV	OCNFSIABDE	H	RASLBORUSIEYUEIBWIEEAG			
601	*	*			P	601		
602	*	*			P	602		
603	*	*			P	603		
604	*	**			U	604		
605	*	**			U	605		
606	*	*	**			V	606	
607	*	*	**		W	P	607	
608	*	*	*		W	U	608	
609	*	*			W	T	609	
610	*	*			W	T	610	
611	*	*			W	T	611	
612	*	*	*		W	U	612	
613	*	*	*		W	U	613	
614	*	*	*	*	W	U	614	
615	*	*	**		W	U	615	
616	*	*	*	*	P	P	616	
617	*	*	*	*	P	P	617	
618	*	*	*	*	P	P	618	
619	*	*	*	**	W	T	619	
620	*	*	*	*	W	U	620	
621	*	**	*	*	W	U	621	
622	*	*	*	*	W	U	622	
623	*	*	*	*	P	P	623	
624	**	*	*	*	P	P	624	
625	*	*	*	*	W	U	625	
626	*	*	*	*	P	P	626	
627	*	*	*	*	P	P	627	
628	*	*	*	*	P	T	628	
629	*	*	*	*	W	U	629	
630	*	*	*	*	W	T	630	
631	*	*	*	*	W	T	631	
632	*	*	*	*	U	U	632	
633	*	*	*	*	U	U	633	
634	*	*	*	*	U	U	X	634
635	*	*	*	*	U	U	635	
636	*	*	*	*	U	U	636	
637	*	**	*	*	W	P	637	
638	*	**	*	*	W	P	M	638
639	*	**	*	*	U	P	T	639
640	*	*	*	*	P	P	640	
641	*	*	*	*	P	P	641	
642	*	*	*	*	U	T	642	
643	*	*	*	*	W	U	M	643
644	*	*	*	*	W	U	M	644
645	*	*	*	*	P	P	M	645
646	*	*	*	*	U	U	M	646
647	*	*	*	*	U	U	M	647
648	*	*	*	*	U	U	M	648
649	*	*	*	*	U	U	M	649
650	*	*	*	*	W	U	M	650
651	*	**	*	*	U	U	651	
652	**	*	*	*	U	U	652	
653	**	*	*	*	U	U	653	
654	*	*	*	*	U	U	654	
655	**	**	*	*	P	P	X	655
656	*	*	*	*	W	U	656	
657	*	*	*	*	W	U	657	
658	*	*	*	*	W	U	K	658
659	*	*	*	*	W	U	659	
660	*	*	*	*	P	P	660	
661	*	*	*	*	P	P	661	
662	*	*	*	*	P	P	662	
663	*	*	*	*	P	P	663	
664	*	*	*	*	U	U	664	
665	*	**	*	*	U	U	**	665
666	*	**	*	*	U	U	**	666
667	*	**	*	*	U	U	**	667
668	*	**	*	*	U	U	**	668
669	*	**	*	*	P	P	669	
670	*	*	*	*	W	U	670	
671	*	*	*	*	W	P	671	
672	**	*	*	*	W	U	672	
673	*	*	*	*	W	U	P	673
674	*	*	*	*	U	U	**	674
675	*	**	*	*	W	U	**	675
676	*	*	*	*	U	U	**	676
677	*	*	*	*	U	U	677	
678	*	*	*	*	W	U	678	
679	*	*	*	*	W	U	679	
680	*	**	*	*	W	U	680	
681	**	*	*	*	W	U	681	
682	*	*	*	*	P	P	682	
683	*	*	*	*	P	P	683	
684	*	**	*	*	U	T	684	
685	*	*	*	*	W	U	X	685
686	*	*	*	*	W	P	686	
687	*	**	*	*	W	P	*	687
688	*	*	*	*	W	P	T	688
689	*	*	*	*	W	U	689	
690	*	*	*	*	W	U	**	690
691	*	*	*	*	W	U	691	
692	*	*	*	*	W	U	692	
693	*	*	*	*	W	T	693	
694	*	*	*	*	W	T	694	
695	*	*	*	*	W	U	V	695
696	*	*	*	*	W	U	696	
697	*	*	*	*	U	P	X	697
698	*	*	*	*	P	P	698	
699	*	*	*	*	P	P	699	
700	*	*	*	*	W	T	700	

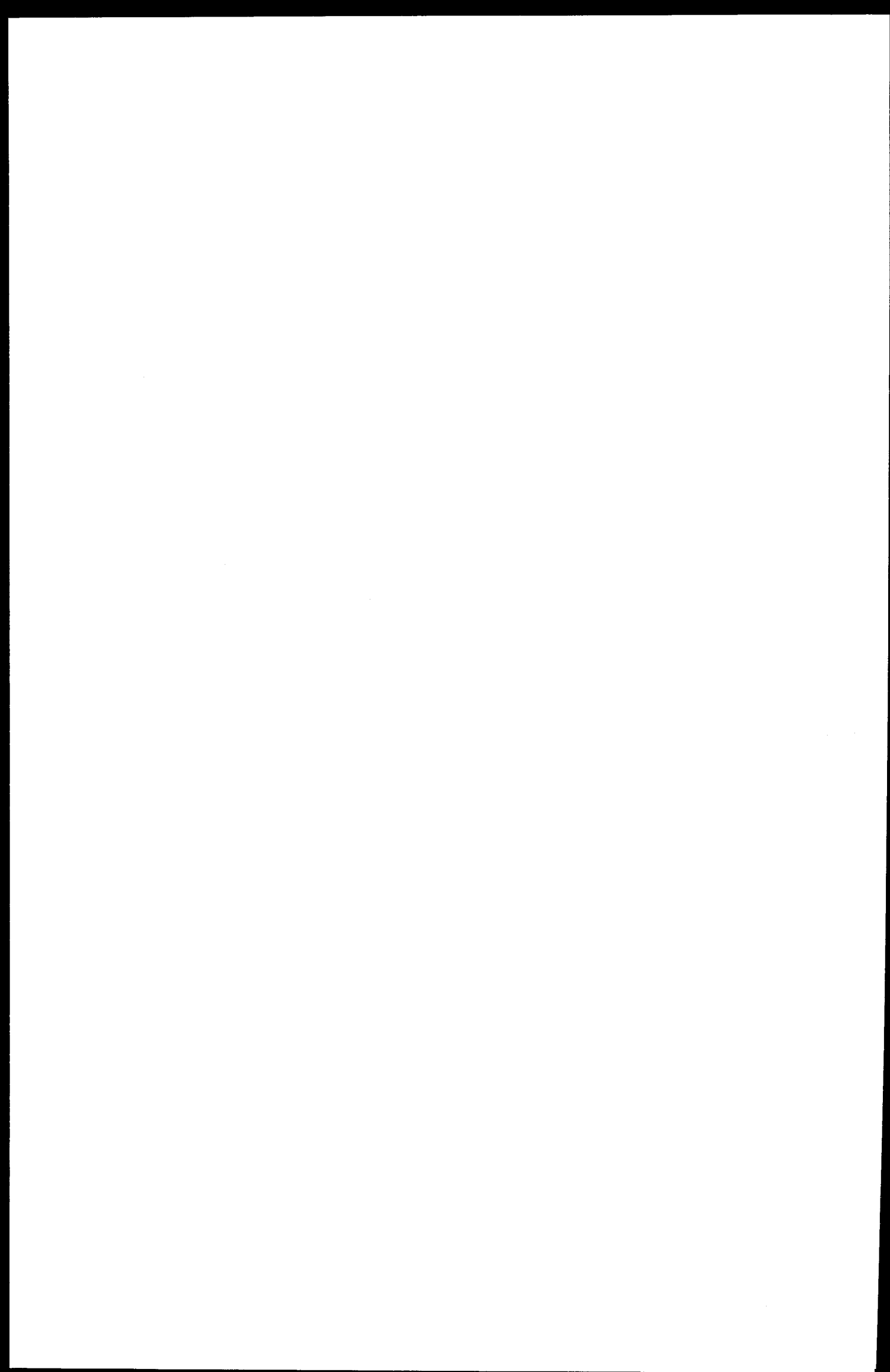


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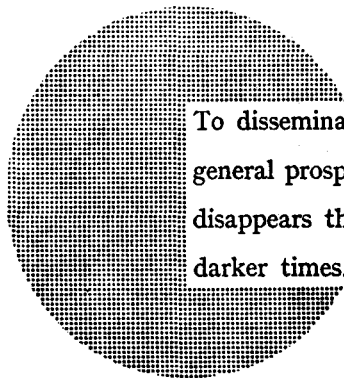
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Alfred Nobel

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