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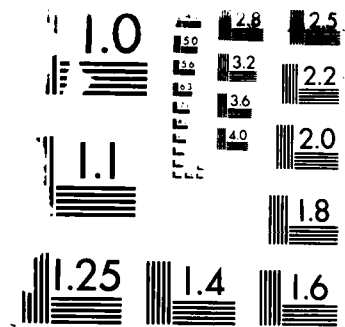


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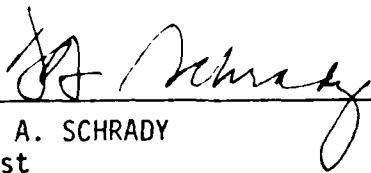
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DEPARTMENT OF ADMINISTRATIVE SCIENCES  
CONFERENCE PRESENTATIONS

- Basil, V; Belady, L; Miyamoto, I; Schneidewind, N F  
On maintaining quality software  
6th Int. Conf. on Software Eng., Tokyo, Japan, Sept.,  
1982.
- Binkin, M; Eitelberg, M J  
Women and minorities in the All Volunteer Force  
DoD Conf.: AVE - Retrospect and prospect, U.S. Naval  
Acad., Annapolis, Md., Nov., 1983.
- Bloxom, B M  
Characterizing a distribution by its hazard function  
Psychometric Soc. Conf., Los Angeles, Calif., June  
26-29, 1983.
- Bloxom, B M  
A constrained spline estimator of a hazard function  
Psychometrika, vol. 50, no. 3, p. 301-321, (Sept.,  
1985).
- Bloxom, B M  
Comparing hazard functions  
Ann. Mtg. of Soc. for Mathematical Psychol., Univ. of  
Calif. - San Diego, Aug. 28-30, 1985.
- Bloxom, B M  
Considerations in psychometric modelling of response  
time  
Psychometrika, vol. 50, no. 4, (Dec., 1985).
- Bloxom, B M  
Considerations in psychometric modelling of response  
time  
Ann. Mtg. of Psychometric Soc., Vanderbilt Univ.,  
Nashville, Tenn., June 2-4, 1985.
- Bloxom, B M  
Considerations in psychometric modelling of response  
time  
European Mtg. of Psychometric and Classification  
Societies, Queens College, Cambridge, England, July  
2-5, 1985.
- Boger, D C  
Use of the Rayleigh technique in program cost management  
ASD/Industry Cost Estimating Workshop, Naval  
Postgraduate School, Monterey, Calif., May, 1983.

NAVAL POSTGRADUATE SCHOOL  
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DEPARTMENT OF ADMINISTRATIVE SCIENCES  
CONFERENCE PRESENTATIONS (cont'd)

- Boger, D C  
Statistical modeling of quarterly contractor overhead costs  
19th Ann. DoD Cost Analysis Symp., Leesburg, Va.,  
Sept. 18, 1985.
- Boger, D C; Jones, C R; Lyons, N R  
Improving federal information systems management:  
Technological opportunities and social constraints  
4th Ann. Int. Conf. on Information Systems, Houston,  
Tex., Dec. 12-14, 1983.
- Boger, D C; Jones, C R; Sontheimer, K C  
Life cycle contracting: The path to minimum acquisition costs  
ORSA/TIMS Joint Nat. Mtg., Boston, Mass., Apr. 29,  
1985.
- Bromiley, P  
Individual decision making and organizational design  
Inst. of Manage. Sci. Conf., San Diego, Calif., Oct.,  
1982.
- Brubaker, E R  
Demand disclosures and conditions on exclusion: An experiment  
Public Choice Soc. Ann. Mtg., San Antonio, Tex.,  
Mar., 1982.
- Bui, T; Jarke, M  
A decision support system for cooperative multiple criteria group decision making  
5th Int. Conf. on Information Systems, Tucson, Ariz.,  
Nov., 1984.
- Deering, Z D; Eitelberg, M J; Sellman, W S  
Uniforms and jeans: A comparison of 1981 military recruits with the 1980 national youth population  
90th Am. Psychological Assoc. Ann. Conv., Div. of Military Psychol. Symp., Washington, D.C., Aug.,  
1982.
- Dolk, D R  
A knowledge-based system for LP models  
ORSA/TIMS 1982 Joint Nat. Mtg., San Diego, Calif.,  
Oct., 1982.

NAVAL POSTGRADUATE SCHOOL  
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DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONFERENCE PRESENTATIONS (cont'd)

- Dolk, D R  
Anatomy of an econometric model management system  
ORSA/TIMS Conf., Dallas, Tex., Nov. 1984.
- Dolk, D R  
Data as models: An approach to implementing model  
management  
Model Manage. Workshop, Austin, Tex., May 15-17,  
1984.
- Eitelberg, M J  
Military eligibility and participation in the All  
Volunteer Force  
Military Testing Assoc. Ann. Conf., San Antonio,  
Tex., Nov., 1982.
- Eitelberg, M J  
Historical data on Hispanics in the U. S. military  
Workshop: Hispanic Subpopulations and Naval Service,  
Washington, D.C., Dec. 11, 1984.
- Eitelberg, M J  
The implications of changing military enlistment test  
norms in 1985  
Ann. Mtg. of the Am. Psychological Assoc. (APA), Los  
Angeles, Calif., August, 1985.
- Eitelberg, M J; Dearing, Z D; Sellman, W S  
Government scientists meet the press: Reactions to the  
release of the Profile of American Youth  
90th Am. Psychological Assoc. Ann. Conv., Div. of  
Military Psycholo Symp., Washington, D.C., Aug.,  
1982.
- Eitelberg, M J; Doering, Z S  
Profile in perspective: The policy and research  
implications of the Profile of American Youth  
90th Am. Psychological Assoc. Ann. Conv., Div. of  
Military Psychol. Symp., Washington, D.C., Aug.,  
1982.
- Eitelberg, M J; Waters, B K  
Relatively bright and ready to fight: A qualitative  
comparison of military recruits and American youth  
65th Am. Educ. Res. Assoc. Ann. Mtg., New York, N.Y.,  
Mar. 22, 1982.

NAVAL POSTGRADUATE SCHOOL  
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DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONFERENCE PRESENTATIONS (cont'd)

- Elster, R S  
Summary of the accession policy workgroup  
Naval Manpower Res. in the 1980's, Alexandria, Va.,  
June 30 - July 1, 1982.
- Eoyang, C K  
Human resource management in the 80's  
Federal Executive Board, Carmel Valley, Calif., May  
16-20, 1982.
- Eoyang, C K  
Leadership training in the U. S. Navy  
Am. Soc. of Public Administration, Honolulu, Hawaii,  
Mar. 24, 1982.
- Euske, K J  
Satisfaction and performance implications of employee  
preference for control measures used in performance  
evaluation  
14th Ann. Mtg. of the Am. Inst. for Decision  
Sciences, Nov. 22-24, 1982.
- Euske, K J; Ansari, S L  
The use of the accounting system for measuring  
productivity in a large scale organization  
17th Ann. Nat. Am. Inst. of Decision Sciences Conf.,  
Las Vegas, Nev., Nov. 11-13, 1985.
- Evered, R  
Paradigms in strategic management  
1st Int. Conf. on Strategic Manage., Univ. of Texas -  
Arlington. 1983.
- Evered, R  
The Falklands War: Intercultural and transcultural  
issues  
Int. Soc. of Political Psychol. Conf., Oxford Univ.,  
England, July, 1983.
- Goral, J R  
The DoD Personnel Security Research Program: Initial  
USAF findings and future areas of study  
1984 Worldwide Information Security Workshop,  
Kirtland Air Force Base, N. M., Oct. 29 - Nov. 2,  
1984.
- Greer, W R; Largay, J  
Ex post error analysis as an approach to the accounting  
method decision  
Am. Inst. for Decision Sci. Conf., San Francisco,  
Calif., Nov. 1982.

NAVAL POSTGRADUATE SCHOOL  
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DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONFERENCE PRESENTATIONS (cont'd)

- Greer, W R; Liao, S S  
Contractor hungriness and the relative profitability of  
DoD business  
1983 Federal Acquisition Res. Symp., Williamsburg,  
Va., Dec. 7-9, 1983.
- La Patra, J W; Pierson, C E  
Increasing the survivability of an emergency  
communications network by using redundant routing  
IEEE Int. Conf. on Systems, Man and Cybernetics,  
Tucson, Ariz., Nov., 1985.
- Lamm, D V  
Cost and pricing aspects in preparation for negotiations  
Back to Basics: Nat. Contract Manage. Assoc.  
Portland/Vancouver Chapter 1985 Educational Conf.,  
Portland, Or., Apr. 12, 1985.
- Lamm, D V  
Negotiations: Does everyone win?  
Golden Gate Hospital Purchasing Assoc. 3rd Ann.  
Educational Seminar, Oakland, Ca., Apr. 26, 1985.
- Laurence, J H; Eitelberg, M J; Waters, B K  
Subpopulation analyses of 1980 youth population  
aptitudes  
90th Am. Psychological Assoc. Ann. Conv., Div. of  
Military Psychol. Symp., Washington, D.C., Aug.,  
1982.
- Liao, S S; Greer, W R  
Competitive weapon systems procurement: A summary and  
evaluation of recent research  
Nat. Contract Manage. J., vol. 17, no. 2, (Winter,  
1984).
- Liao, S S; Thomas, G W  
Economic factors and the retention of military  
careerists  
TIMS/ORSA Joint Nat. Mtg., Chicago, Ill., Apr., 1983.
- Louis, M R  
A sense-making problematique in the organizational  
sciences: Frames, facets and philosophic roots  
Int. Cong. of Appl. Psychol., Edinburgh, Scotland,  
July, 1982.



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CONFERENCE PRESENTATIONS (cont'd)

- Louis, M R  
Career transitions and coping with life events: Towards  
an integration of alternative perspectives on role  
transitions  
NATO Conf. on Role Transitions, Madison, Wisc., Sept.  
1, 1982.
- Louis, M R  
Toward a system of inquiry or organizational culture  
Western Acad. of Manage., Colorado Springs, Colo.,  
Apr., 1982.
- McCaffery, J L  
Comparison of state and provincial budget systems with  
Ontario and California used as models  
Workshop on Comparative Canada/U.S. Public Policy,  
Univ. of Calif. - Berkeley, Apr. 22-23, 1985.
- McMasters, A W  
Design stability and stock coordination  
Logistics Res. and Applications Symp., Naval  
Postgraduate School, May 7, 1983.
- McMasters, A W  
A multi-period repair parts inventory model for a Navy  
repair depot  
1984 Joint ORSA/TIMS Nat. Mtg., Dallas, Tex., Nov.  
26-28, 1984.
- Nieboer-Turpin, N A  
Project Interest Inventory: An overview  
Am. Vocational Assoc. Ann. Conv., New Orleans, La.,  
Dec., 1984.
- Nieboer-Turpin, N A  
Testing and career guidance: A military connection  
Am. Assoc. for Counseling and Develop. Ann. Conv.,  
New York, N. Y., Apr., 1985.
- Schneidewind, N F  
A complexity metric which integrates structural and  
textual metrics  
IEEE 2nd Ann. Phoenix Conf., Phoenix, Ariz., Mar.,  
1983.
- Schneidewind, N F  
Functional approach to the design of a local network: A  
Naval Logistics System example  
26th IEEE Computer Soc. Int. Conf., San Francisco,  
Calif., Mar., 1983.

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DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONFERENCE PRESENTATIONS (cont'd)

- Schneidewind, N F  
Future of networking (Panel member)  
National Computer Conference, Chicago, Ill., July 18,  
1985.
- Sivasankaran, T R  
Intelligent model management for actuarial decision  
support  
ACM South-Central Conf., Austin, Tex., Nov., 1984.
- Sivasankaran, T R; Hinson, C  
Role of artificial intelligence in text processing  
instruction  
DATACON Educators' and Trainers' Conf., St. Louis,  
Mo., Sept., 1985.
- Sivasankaran, T R; Jarke, M  
Knowledge-based approach for model management in an  
actuarial consulting system  
6th European Conf. on Artificial Intelligence, Pisa,  
Italy, Sept., 1984.
- Sivasankaran, T R; Jarke, M  
A knowledge-based statistical system for actuarial  
consultation and tutoring  
ACM Technical Symp. on Intelligent Systems: Their  
Development and Application, Washington, D.C., June,  
1985.
- Thomas, G W; Bowman, W  
Forecasting reenlistment rates in the AVF era:  
Methodological issues and preliminary results  
Am. Econ. Assoc. Ann. Mtg., New York, N.Y., Dec.,  
1982.
- Thomas, G W; Griffin, P; Kocher, K  
Development of an attrition severity index for Navy  
occupations  
ORSA/TIMS Nat. Mtg., San Diego, Calif., Oct., 1982.
- Weitzman, R A  
The predictive capability of SAT and HSR: Scale  
multiplicity vs. restriction in range  
Psychometric Soc. Ann. Mtg., Montreal, Canada, June,  
1982.
- Weitzman, R A  
Use of sequential testing to pre-screen prospective  
recruits for military service  
Biennial ONR CAT/IRT Conf., Minneapolis, Minn., July,  
1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONFERENCE PRESENTATIONS (cont'd)

Weitzman, R A

A small-sample estimator of Rasch-model item difficulty  
Psychometric Soc. Ann. Mtg., Los Angeles, Calif.,  
June 27-29, 1983.

Weitzman, R A

Application of the Rasch model to multiple-choice tests  
Military Testing Assoc. Conf., Munich, F. R. G.,  
Nov., 1984.

Weitzman, R A

Stepwise pattern analysis of Navy attrition data  
Am. Psychological Assoc., Los Angeles, Calif., Aug.,  
1985.

Weitzman, R A

UML and CML Rasch calibration of multiple-choice items  
Psychometric Soc. Mtg., Nashville, Tenn., June, 1985.

Whipple, D R

Intra-organizational behavior: The case of hospitals  
Eastern Econ. Assoc. Mtgs., Washington, D.C., Apr.,  
1982.

Whipple, D R; Tweeddale, J

Policy issues in the development of the defense  
industrial base: The role of productivity enhancement  
Assoc. for Public Policy Analysis and Manage. Conf.,  
Philadelphia, Pa., Sept., 1983.

NAVAL POSTGRADUATE SCHOOL  
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DEPARTMENT OF ADMINISTRATIVE SCIENCES  
CONTRIBUTIONS TO BOOKS

- Binkin, M; Eitelberg, M J; Schexnider, A J; Smith, M M  
Blacks and the military  
Washington, D.C., Brookings Inst., 1982. 199 p.
- Bloxom, B M  
Some problems in estimating response time distributions  
IN H. Wainer and S. Messick, eds.: Principals of  
modern psychological measurement: A  
festschrift in honor of Frederick M. Lord,  
Hillsdale, N. J. Lawrence Erlbaum Assoc.,  
Inc., 1983, p. 303-328.
- Boger, D C  
Measuring private and social costs in inland waterway  
freight transportation  
IN T. E. Keeler, ed.: Research in transportation  
economics, vol. 2, JAI Press, 1985, p. 229-267.
- Brubaker, E R  
Sixty-eight percent free revelation and thirty-two  
percent free ride?: Demand disclosures under varying  
conditions or exclusion  
IN V. L. Smith, ed.: Research in experimental  
economics, vol. 2, JAI Press, 1982, p. 151-166.
- Cullin, W H  
How to conduct foreign military sales: U. S. guide  
( '84-'85 update)  
Bureau of Nat. Affairs, Washington, D.C., Feb., 1983.
- Ein-Dor, P; Jones, C R  
Information systems management: Analytical tools and  
techniques  
Elsevier, New York, N.Y., 1985. 288 p.
- Eitelberg, M J  
Military representation and race in the AVF  
IN A. N. Sabrosky and K. Barlow, eds.: The  
Eagle's brood: Civil-military relations in the  
1980s, Boulder, Colo., Westview Press, 1984.
- Eitelberg, M J; Binkin, M  
Military service in American society  
IN A. J. Goodpaster, L. H. Elliott and J. A.  
Hovey, Jr., eds.: Toward a consensus on  
military service, Elmsford, N. Y., Pergamon  
Press, 1982.

NAVAL POSTGRADUATE SCHOOL  
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DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONTRIBUTIONS TO BOOKS (cont'd)

- Eoyang, C K  
Symbolic transformation of belief systems  
IN L. R. Pondy et al., eds.: Organizational  
symbolism, JAI Press, 1983.
- Euske, K J  
Budgeting and public management  
IN J. Rabin and T. D. Lynch, eds: Handbook on  
public budgeting and financial management, New  
York, N. Y., Marcel Dekker, Inc., Inc., 1983,  
p. 401-415.
- Euske, K J  
The budget as a management control device  
IN J. Rabin and T. D. Lynch: Handbook on public  
budgeting and financial management,  
Marcel-Dekker, Inc., 1983.
- Euske, K J  
Management control: Planning, control, evaluation and  
measurement  
Reading, Mass., Addison, Wesley Publ. Co., 1984. 150  
p.
- Evered, R  
The language of organizations: The case of the Navy  
IN L. R. Pondy, et al., eds: Organizational  
symbolism, Greenwich, Conn., JAI Press, 1983,  
p. 125-143.
- Evered, R  
Transforming managerial and organizational research:  
Creating a science that works  
IN R. Tannenbaum, ed.: Human systems  
development, Jossey-Bass, 1985, p. 419-457.
- Greer, W R  
Relevant costs and decision techniques  
IN J. Bulloch, et al., eds.: Accountants' cost  
handbook, 3rd ed., New York, N. Y., J. Wiley &  
Sons, 1983, 31 p.
- Greer, W R; Liao, S S  
A new look at risk and profitability in defense  
contracting  
IN J. Whelan, Ed.: Yearbook of procurement  
articles, Federal Publications, Inc., 1985. P.  
637-646.

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DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONTRIBUTIONS TO BOOKS (cont'd)

- Haga, W J; Euske, K J; Hardesty, J  
Fort Saxon's word processing system proposal  
IN C. Larence, ed.: Cases in public budgeting  
and financial management, Prentice-Hall, 1982.
- Harris, R T; Cahn, M M; eds.  
Utilization of applied behavioral science knowledge and  
technology: An international perspective  
Greenwich, Conn., JAI Press, 1983. 300 p.
- San Miguel, J G  
Financial accounting and reporting: Case and technical  
notes  
New York, N. Y., Touche Ross Foundation, 1982.
- San Miguel, J G  
The behavioral sciences and concepts and standards for  
management planning and control  
IN K. Ramanathan and L. Hegstad, eds.: Readings  
in management control in nonprofit  
organizations, New York, N. Y., John Wiley &  
Sons, 1982.
- San Miguel, J G  
H. J. Heinz Company  
IN K. R. Ferris, ed.: Financial accounting and  
corporate reporting: A casebook, Business  
Publications, Inc., 1985.
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corporate reporting: A casebook, Business  
Publications Inc., 1985.
- San Miguel, J G  
NCR Corporation  
IN K. R. Ferris, ed.: Financial accounting and  
corporate reporting: A casebook, Business  
Publications, Inc., 1985.
- Schneidewind, N F  
Interconnecting local networks to long-distance networks  
IN W. Stallings, ed.: Tutorial--Local network  
technology, 2nd ed., IEEE Computer Soc. Press,  
1985, p. 356-365.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONTRIBUTIONS TO BOOKS (cont'd)

- Schneidewind, N F  
Local area networks  
IN Yearbook of science and technology (1986),  
McGraw-Hill, 1985, p. 259-262.
- Thomas, G W; Da Costa, J  
A sample survey of corporate operations research  
IN J. Dyer and R. Shapiro, eds.: Cases and  
readings in management science/operations  
research, New York, N. Y., John Wiley & Sons,  
1982.
- Whipple, D R; Quirk, J; Terasawa, K L; eds.  
Coal models and their use in government planning  
New York, N. Y., Praeger Publishers, Special Studies  
Div., 1982. 261 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES  
PUBLISHED PAPERS

- Arnold, R S; Schneidewind, N F; Zvegintzov, N  
Software maintenance workshop  
Communications of the Assoc. for Computing Machine.,  
vol. 27, no. 11, p. 1120-1121, (Nov., 1984).
- Basili, V; Belady, L; Miyamoto, I; Schneidewind, N F  
On maintaining quality software  
6th Int. Conf. on Software Eng., Tokyo, Japan, Sept.,  
1982.  
IN Proc., Information Processing Soc. of Japan, 11  
p., (1983).
- Boger, D C  
Statistical modeling of overhead costs  
Eng. Costs and Production Economics, vol. 8, no. 3,  
p. 145-166, (Dec., 1984).
- Boger, D C; Jones, C R; Sontheimer, K C  
An analysis of the incentives present in incentive-type  
contracts  
1982 Federal Acquisition Res. Symp., Washington,  
D.C., May 5-7, 1982.  
IN Proc., U.S. Army Procurement Res. Office, p.  
J-11 - J-18, (1982).
- Boger, D C; Jones, C R; Sontheimer, K C  
What are the incentives in incentive contracts?  
Defense Manage. J., vol. 19, no. 1, p. 16-22, (1st  
Qtr., 1983).
- Boger, D C; Lyons, N R  
The organization of the software quality assurance  
process  
Database, p. 11-16, (Winter, 1985).
- Bui, T  
Building effective multiple criteria decision models: A  
decision support system approach  
Systems, Objectives, Solutions, vol. 4, p. 1-13,  
(1984).
- Bui, T; Jarke, M  
A decision support system for cooperative multiple  
criteria group decision making  
5th Int. Conf. on Information Systems, Tucson, Ariz.,  
Nov., 1984.  
IN Proc., TIMS and Soc. of Information Systems, p.  
101-113, (Nov., 1984).



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

- Chang, D; Liao, S S  
Forecasting and control of accounts receivable  
characterized by unstable payment  
Advances in Financial Planning and Forecasting, vol.  
1, p. 241-264, (1985).
- Doering, Z D; Eitelberg, M J; Sellman, W S  
Uniforms and jeans: A comparison of 1981 military  
recruits with the 1980 national youth population  
90th Am. Psychological Assoc. Ann. Conv., Div. of  
Military Psychol. Symp., Washington, D.C., Aug.,  
1982.  
IN Proc., Profile of American youth: Results and  
implication, Office of the Secty. of Defense,  
(Tech. memo. 82-2), p. 23-35, (Sept., 1982)
- Dolk, D R; Konsynski, B R  
Knowledge representation for model management systems  
IEEE Trans. Software Eng., vol. 10, no. 6, p.  
619-627, (Nov., 1984).
- Dykes, J M; Liao, S S  
Internal auditing in local governmental unit  
Government Accountants J., vol. 33, no. 4, p. 23-29,  
(Winter, 1984-85).
- Eitelberg, M J  
Military eligibility and participation in the All  
Volunteer Force  
Military Testing Assoc. Ann. Conf., San Antonio,  
Tex., Nov., 1982.  
IN Proc., Military Testing Assoc., (Dept. of the  
Air Force), p. 367-372, (1982).
- Eitelberg, M J  
Historical data on Hispanics in the U. S. military  
Workshop: Hispanic Subpopulations and Naval Service,  
Washington, D.C., Dec. 11, 1984.  
IN Proc., Hispanic subpopulations and Naval  
service, Smithsonian Institution,  
(SI/MRAS/TR-11), 26 p. (May, 1985).
- Eitelberg, M J; Doering, Z D  
Profile in perspective: The policy and research  
implications of the Profile of American Youth  
90th Am. Psychological Assoc. Ann. Conv., Div. of  
Military Psychol. Symp., Washington, D.C., Aug.,  
1982.  
IN Proc., Profile of American youth: Results and  
implications, Office of the Secty. of Defense,  
(Tech. memo. 82-2), p. 53-76, (Sept., 1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Eitelberg, M J; Doering, Z D; Sellman, W S  
Government scientists meet the press: Reactions to the  
release of the Profile of American Youth  
90th Am. Psychological Assoc. Ann. Conv., Div. of  
Military Psychol. Symp., Washington, D.C., Aug.,  
1982.  
IN Proc., Profile of American youth: Results and  
implications, Office of the Secty. of Defense,  
(Tech. memo. 82-2), p. 77-86, (Sept., 1982).
- Euske, K J  
The comptroller as planner  
Armed Forces Comptroller, vol. 27, no. 4, p. 27-30,  
(Fall, 1982).
- Euske, K J  
Control and comptroller  
Armed Forces Comptroller, vol. 28, no. 2, p. 10-14,  
(Spring, 1983).
- Euske, K J  
Measurement: Key to successful planning, control, and  
evaluation  
Armed Forces Comptroller, vol. 28, no. 4, p. 18-21,  
(Fall, 1983).
- Euske, K J; Hopper, J  
Facilitating the identification and evaluation of  
objectives  
Cost and Manage., vol. 59, no. 4, p. 36-40,  
(July-Aug., 1985).
- Euske, K J; Rock, Jr., C T  
The application of human resource accounting to the  
evaluation of training sources  
J. Accounting and Public Policy, vol. 2, no. 2,  
(Spring, 1983).
- Evered, R  
So what is strategy?  
J. Long Range Planning, vol. 16, no. 3, p. 57-72,  
(July, 1983).
- Evered, R  
Who's talking about the future? An analysis of the U.  
S. presidents  
Technological Forecasting and Social Change, vol. 24,  
p. 61-77, (July, 1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Greer, W R  
The real rate mortgage instrument  
J. Retail Banking, p. 47-56, (Winter, 1983).
- Greer, W R  
Where have all the deep discounts gone?  
J. Accounting and Public Policy, p. 133-140, (Summer, 1983).
- Greer, W R  
Why doesn't PERT work?  
Resource Manage. J., p. 27-31, (Summer, 1983).
- Greer, W R; Largay, J  
Ex post error analysis as an approach to the accounting method decision  
Am. Inst. for Decision Sci. Conf., San Francisco, Calif., Nov. 1982.  
IN Proc., AIDS, p. 23-25, (1982).
- Greer, W R; Largay, J; York, P  
Opportunity cost variances  
Cost and Manage., p. 34-40, (Nov.-Dec., 1982).
- Henderson, D R  
Response to Letter to the editor  
Fortune, vol. 112, no. 4, p. 22-23, (Aug. 19, 1985.)
- Henderson, D R  
Response to Letter to the editor  
Regulation, vol. 9, no. 3, p. 52, (May/June, 1985).
- Henderson, D R  
Tax code helps oil industry? Give me a break  
Wall Street Journal, (July 16, 1985).
- Henderson, D R  
The economics of fuel economy standards  
Regulation, vol. 9, no. 1, p. 45-48, (Jan./Feb., 1985).
- Kline, J C; Fremgen, J M  
The impact of cost accounting standard 409 on the defense industry  
Nat. Contract Manage. J., vol. 15, no. 2, p. 37-45, (Winter, 1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Kline, M B  
A survey of logistics analysis models  
17th Ann. Int. Logistics Symp., Society of Logistics  
Engrs., Boston, Mass., Aug. 24-26, 1982.  
IN Proc., p. 1-16, (1982).
- Kline, M B  
Systems engineering methodology: A conceptual phase  
decision model  
26th Ann. Mtg. of the Society for General Systems  
Res. with the A. A. A. S., Washington, D.C., Jan.  
5-9, 1982.  
IN Proc., A general survey of systems methodology,  
p. 608-617, (1982).
- Konsynski, B R; Dolk, D R  
Knowledge abstractions and model management  
DSS-82, San Francisco, Calif., June, 1982.  
IN Proc., p. 187-202, (1982).
- La Patra, J W; Pierson, C E  
Mixed media routing as a strategy to enhance emergency  
communication network survival  
IEEE Global Telecommunications Conf., New Orleans,  
La., Dec., 1985.  
IN Proc., (1985).
- Lamm, D V  
Progress on five educational fronts  
Contract Manage., vol. 24, no. 10, p. 30 - 31, (Oct.,  
1984).
- Lamm, D V  
Education and certification  
Contract Manage., vol. 25, no. 1, p. 32, (Jan.,  
1985).
- Lamm, D V  
The professional body of knowledge  
Contract Manage., vol. 25, no. 6, p. 30-31, (June,  
1985).
- Laurence, J H; Eitelberg, M J; Waters, B K  
Subpopulation analyses of 1980 youth population  
aptitudes  
90th Am. Psychological Assoc. Ann. Conv., Div. of  
Military Psychol. Symp., Washington, D.C., Aug.,  
1982.  
IN Proc., Profile of American youth: Results and  
implications, Office of the Secty. of Defense,  
(Tech. memo. 82-2), p. 36-52, (Sept., 1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Liao, S S  
Forecasting program of two decomposition methods  
J. of Business Forecasting, vol. 4, no. 2, p. 29-32,  
(Summer, 1985).
- Liao, S S  
Managing accounts receivable through payment pattern  
analysis  
Cost and Manage., vol. 59, no. 2, p. 30-33,  
(Mar./Apr., 1985).
- Liao, S S; Herndo, E L  
Architect and engineering contracts: New insights into  
cost estimation  
Nat. Contract Manage. J., vol. 17, no. 1, p. 51-58,  
(Summer, 1983).
- Liao, S S; Thomas, G W  
A personnel planning model: Estimating the turnover  
among experienced military employees  
Defense Analysis, vol. 1, no. 4, (1985).
- Louis, M R  
Managing career transitions: A missing link in career  
development  
Organizational Dynamics, p. 68-77, (Spring, 1982).
- Lyons, N R  
The information processing game: An experimental tool  
for the study of information  
Simulation and Games, vol. 13, no. 1, p. 86-91,  
(Mar., 1982).
- McCaffery, J L  
Canada's envelope budget: A strategic management system  
Public Administration Rev., vol. 44, no. 4, p.  
316-323, (July/Aug., 1984).
- McCaffery, J L  
Expertise, momentum and innovation: The logic for a  
productivity bank  
Nat. Civic Rev., vol. 77, no. 1, p. 21-26, (Jan.,  
1985).
- McMasters, A W  
A multi-period repair parts inventory model for a Navy  
repair depot  
1984 Joint ORSA/TIMS Nat. Mtg., Dallas, Tex., Nov.  
26-28, 1984.  
IN ORSA/TIMS Bull. no. 18, p. 247, (Sept., 1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Moses, O D  
Rationality, ambiguity and management information systems  
Business Forum, vol. 9, no. 4, p. 8-11, (Fall, 1984).
- Nieboer-Turpin, N A  
Project Interest Inventory: An overview  
Am. Vocational Assoc. Ann. Conv., New Orleans, La.,  
Dec., 1984.  
IN Proc., Am. Vocational Assoc., (1985).
- Nieboer-Turpin, N A  
Testing and career guidance: A military connection  
Am. Assoc. for Counseling and Develop. Ann. Conv.,  
New York, N. Y., Apr., 1985.  
IN Proc., Am. Assoc. for Counseling and Develop.,  
(1985).
- San Miguel, J G; Cooper, W W; Stephens, R G  
A delphi study of bank lending officer preferences for  
financial statement information  
J. Enterprise Manage., vol. 3, no. 3, p. 229-250,  
(Winter, 1982).
- San Miguel, J G; Stephens, R G  
Preferences for financial information among users: Some  
evidence and suggestions for research  
Q. Rev. Economics and Business, vol. 22, no. 4, p.  
61-80, (Winter, 1982).
- Schneidewind, N F  
A complexity metric which integrates structural and  
textual metrics  
IEEE 2nd Ann. Phoenix Conf., Phoenix, Ariz., Mar.,  
1983.  
IN Proc., Computer Soc. Press, 5 p., (1983).
- Schneidewind, N F  
Functional approach to the design of a local network: A  
Naval Logistics System example  
26th IEEE Computer Soc. Int. Conf., San Francisco,  
Calif., Mar., 1983.  
IN Digest of papers, Computer Soc. Press, 6 p.,  
(1983).
- Schneidewind, N F  
Interconnecting local networks to long-distance networks  
Computer, vol. 16, no. 9, 10 p., (Sept., 1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Schneidewind, N F  
Future of networking (Panel member)  
National Computer Conference, Chicago, Ill., July 18,  
1985.  
IN Proc., AFIPS Press, p. 648, (1985).
- Sivasankaran, T R  
Intelligent model management for actuarial decision  
support  
ACM South-Central Conf., Austin, Tex., Nov., 1984.  
IN Proc., (Nov., 1984).
- Sivasankaran, T R; Hinson, C  
Role of artificial intelligence in text processing  
instruction  
DATACON Educators' and Trainers' Conf., St. Louis,  
Mo., Sept., 1985.  
IN Proc., ASM & DPMA, p. 56-62, (Sept., 1985).
- Sivasankaran, T R; Jarke, M  
Knowledge-based approach for model management in an  
actuarial consulting system  
6th European Conf. on Artificial Intelligence, Pisa,  
Italy, Sept., 1984.  
IN Proc., (Sept., 1984)
- Sivasankaran, T R; Jarke, M  
A knowledge-based statistical system for actuarial  
consultation and tutoring  
ACM Technical Symp. on Intelligent Systems: Their  
Development and Application, Washington, D.C., June,  
1985.  
IN Proc., ACM, p. 129-133, (June, 1985).
- Thomas, G W  
Military parental effects and career orientation under  
the AVF: Enlisted personnel  
Armed Forces and Soc., vol. 10, no. 4, (1984).
- Thomas, G W; Mitchell, M  
Operations research in the U. S. Marine Corps  
Interfaces, vol. 13, no. 3, p. 81-90, (June, 1983).
- Thomas, G W; Mitchell, M  
Use of operations research in the U. S. Marine Corps  
Interfaces, (Feb., 1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Weitzman, R A  
Sequential testing for selection  
Appl. Psychological Meas., vol. 6, no. 3, p. 337-351,  
(Summer, 1982).
- Weitzman, R A  
The prediction of college achievement by the Scholastic  
Aptitude Test (SAT) and the High School Record (HSR)  
J. of Educational Meas., vol. 19, no. 3, p. 179-191,  
(Fall, 1982).
- Weitzman, R A  
Use of sequential testing to pre-screen prospective  
recruits for military service  
Computerized Adaptive Testing Conf., Minneapolis,  
Minn., (1983).  
IN Proc., Univ. of Minn. Press, (1983).
- Weitzman, R A  
Application of the Rasch model to multiple-choice tests  
Military Testing Assoc. Conf., Munich, F. R. G.,  
Nov. 1984.  
IN Proc., (1984).
- Weitzman, R A  
Test review of the Armed Services Vocational Aptitude  
Battery  
IN Ninth mental measurements yearbook, Buros  
Inst. of Mental Measurements, Univ. of Nebraska  
- Lincoln, 1985, p. 83-85.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES  
TECHNICAL REPORTS AND NOTES

- Boger, D C  
Statistical models for estimating overhead costs  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-54-83-014), Oct.,  
1983. 44 p.
- Boger, D C; Jayachandran, T  
Evaluating alternative long range forecasts of inflation  
Prepared for Office of the Assistant Secretary of  
Defense (Comptroller), Washington, D.C. Naval  
Postgraduate School, (NPS-54-84-0021), July, 1984.
- Boger, D C; Liao, S S  
An analysis of quantity-split and nonrecurring costs  
under competitive procurement environment: Part 1  
Prepared for Naval Air Systems Command, Washington,  
D.C. Naval Postgraduate School, (NPS-54-85-08),  
Sept., 1985. 68 p.
- Boger, D C; Lyons, N R  
A productivity enhancement study of the FMSO software  
effort  
Prepared for Fleet Material Support Office,  
Mechanicsburg, Pa. Naval Postgraduate School,  
(NPS-54-83-013), Nov., 1983. 63 p.
- Boger, D C; Washburn, A R  
Notes from the Stockpile Seminar  
Naval Postgraduate School, (NPS-55-85-014), Aug.,  
1985. 36 p.
- Borack, J; Mehay, S; Thomas, G W  
Estimating local area manpower for the reserves  
Prepared for U.S. Army Recruiting Command. Naval  
Postgraduate School, (NPS-54-85-006), Sept., 1985.  
35 p.
- Borack, J; Mehay, S; Thomas, G W  
Post high school market study plan  
Prepared for U.S. Army Recruiting Command. Naval  
Postgraduate School, (NPS-54-85-007), Sept., 1985.  
58 p.
- Dickens, C J; McMasters, A W  
An inventory model for management of U. S. Coast Guard  
clothing facilities  
Naval Postgraduate School, (NPS-54-83-005), June,  
1983. 84 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

- Dolk, D R  
A knowledge-based system for LP modeling  
Naval Postgraduate School, (NPS-54-83-012), Sept.,  
1983. 22 p.
- Eitelberg, M J; ed.  
Population representation in the active duty military  
services, FY1984  
Office of the Asst. Secty. of Defense for Manpower,  
Installations, and Logistics, (Rep. to Congress),  
June, 1985. 63 p.
- Eitelberg, M J; et al.  
Profile of American youth: 1980 nationwide  
administration of the Armed Services Vocational Aptitude  
Battery  
Washington, D.C., Office of the Asst. Secty. of  
Defense for Manpower, Reserve Affairs and Logistics,  
Mar., 1982.
- Elster, R S; ed.  
Gender integration in the military: Presentations given  
at the Naval Postgraduate School  
Naval Postgraduate School, (NPS-54-82-009), Mar.,  
1982.
- Elster, R S; Flyer, E  
A study of the relationships between educational  
credentials and military performance criteria  
Prepared for the National Inst. of Education. Naval  
Postgraduate School, (NPS-54-82-008), Apr., 1982.  
202 p.
- Euske, K J; Thomas, G W; Smith, D F  
Estimating parametric relationships endogenous to  
simulation models: An example using military retirement  
costing  
Naval Postgraduate School, (NPS-54-85-009), Aug.,  
1985.
- Euske, K J; Wheeler, G M; Mullane, J F  
An analysis of evaluator bias in the Marine Corps Combat  
Readiness Evaluation System  
Naval Postgraduate School, (NPS-54-84-016), Aug.,  
1985.
- Goral, J R  
DIS investigations and clearance eligibility of Air  
Force enlistees requiring BIs and SBIs  
Office of the Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-1), Oct., 1984. 9 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

- Goral, J R  
Identification of unnecessary background investigations  
Office of The Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-3), Dec., 1984, 6 p.
- Goral, J R  
Personnel security investigations: Service differences  
for similar occupations  
Office of the Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-4), Dec., 1984. 10 p.
- Goral, J R  
The DoD Personnel Security Research Program: Initial  
Air Force findings and future areas of study  
Office of the Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-2), Nov., 1984. 18 p.
- Goral, J R  
A census of key data elements in the Defense Central  
Index of Investigations (As of 1 April 1985)  
Office of The Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-9), June, 1985. 17 p.
- Goral, J R  
Cleaning up the periodic review backlog: Estimates of  
the numbers and location of military subjects  
Office of the Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-10), Aug., 1985. 17 p.
- Goral, J R  
Continued top secret and SCI status of former Army  
personnel with unsuitability discharges  
Office of the Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-6), Apr., 1985. 9 p.
- Goral, J R  
Continued top secret and SCI status of former Air Force  
personnel with unsuitability discharges  
Office of The Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-7), Apr., 1985. 9 p.
- Goral, J R  
Extent of national agency checks on active military  
personnel  
Office of The Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-11), Sept., 1985. 15 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

- Goral, J R  
Most recent DIS investigation and clearance information  
in the DCII at the beginning of fiscal year 1985  
Office of The Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-5), Mar., 1985. 18 p.
- Goral, J R  
Number and locations of DoD civilian employees likely to  
require security investigation updates by the end of  
fiscal year 1986  
Office of the Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-12), Sept., 1985. 14 p.
- Goral, J R  
Pinpointing the location of potential military periodic  
review subjects  
Office of the Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-14), Sept., 1985. 12 p.
- Goral, J R  
Security investigations and clearances in the DCII at  
the end of fiscal year 1984: A profile of 2.1 million  
active duty military personnel  
Office of the Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-8), May, 1985. 17 p.
- Goral, J R  
Use of DISCO files to identify and locate potential  
periodic review subjects  
Office of the Deputy UnderSecretary of Defense for  
Policy, (PSRP no. 85-13), Sept., 1985. 12 p.
- Greer, W R; Liao, S S  
Cost analysis for dual-source weapons procurement  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-54-83-011), Oct.,  
1983. 130 p.
- Gullickson, G G; Chenette, R D; Harris, R T  
Excellence in the Surface Navy: Final report from  
January 1984 to June 1984  
Prepared for Naval Military Personnel Command (N-6),  
Washington, D.C. Naval Postgraduate School,  
(NPS-54-84-026), Oct. 22, 1984. 269 p
- Henderson, D R  
Achieving level-loaded accessions in the Navy: Uniform  
versus targeted bonuses  
Deputy Chief of Naval Operations for Manpower  
Personnel and Training, (Technical rep.), Mar., 1985.  
11 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES  
TECHNICAL REPORTS AND NOTES (cont'd)

- Lee, G C; Flyer, E S; Eitelberg, M J; Orend, R  
Trends in the DoD High School Testing Program and the  
supplementary use of commercial test information  
Alexandria, Va., Human Resources Res. Organization,  
(FR-MPAD-82-2), 1982.
- Lyons, N R; Knott, K  
General problem solving: Navy requirements and  
solutions  
Prepared for Naval Personnel Res. and Develop.  
Center, San Diego, Calif. Naval Postgraduate School,  
(NPS-54-85-001), Mar., 1985. 59 p.
- McMasters, A W; Steinberg, J  
A technique for evaluating vendor bids for stock  
replenishment of a consumable item  
Naval Ships Parts Control Center, Mechanicsburg, Pa.  
Naval Postgraduate School, (NPS-54-85-003), June,  
1985. 76 p.
- Nieboer-Turpin, N A  
Evaluation of commercial aptitude testing as a  
supplement to the DoD Student Testing Program  
Office of the Asst. Secty. of Defense for Manpower,  
Installations and Logistics, Director of Accession  
Policy, (Technical rep.), July, 1984. 111 p.
- Nieboer-Turpin, N A  
Offering commercial aptitude testing in the Department  
of Defense Student Testing Program: A continuation in  
school year 1983-84  
Office of the Asst. Secty. of Defense for Manpower,  
Installations and Logistics, Director of Accession  
Policy, (Technical rep.), June, 1985. 111 p.
- Richards, F R; McMasters, A W  
Wholesale provisioning models: Model development  
Prepared for Navy Fleet Material Support Office,  
Mechanicsburg, Pa. Naval Postgraduate School,  
(NPS-55-83-026), Sept., 1983. 60 p.
- Schneidewind, N F  
Evaluation of maintainability enhancement for TCP/TSP  
revision 6.0 update .20: Final report for period 1 Jan.  
80 to 1 Jan. 82  
Prepared for Trident Command and Control Systems,  
Maintenance Agency, Newport, R. I. Naval  
Postgraduate School, (NPS-54-82-004), Feb., 1982. 41  
p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

- Schneidewind, N F  
Evaluation of SECNAVINST 3560.1 tactical digital systems documentation standard for software maintenance  
Prepared for Trident Command and Control Systems Maintenance Agency, Newport, R. I. Naval Postgraduate School, (NPS-54-82-003), Feb., 1982. 27 p.
- Schneidewind, N F  
Functional design of a local area network for the Stock Point Logistics Integrated Communication's Environment  
Prepared for Fleet Material Support Office, Mechanicsburg, Pa. Naval Postgraduate School, (NPS-54-83-003), Dec., 1982. 64 p.
- Schneidewind, N F  
Functional design of a local area network for the stock point logistics integrated communications environment:  
Final report from 15 Mar 82 to 1 Dec 82  
Prepared for Fleet Material Support Office, Mechanicsburg, Pa. Naval Postgraduate School, (NPS-54-83-003A), Dec., 1982. 73 p.
- Schneidewind, N F  
Software maintenance: Improvement through better development standards and documentation: Final report for period 1 Jan. 80 to 1 Jan. 82  
Prepared for Trident Command and Control Systems, Maintenance Agency, Newport, R. I. Naval Postgraduate School, (NPS-54-82-002), Feb., 1982. 43 p.
- Schneidewind, N F  
Usability of military standards for the maintenance of embedded computer software: Final report for period 1 Jan. 1982 to 1 June 1982  
Prepared for Trident Command and Control Systems, Maintenance Agency, Newport, R. I. Naval Postgraduate School (NPS-54-82-005), 1982. 16 p.
- Schneidewind, N F; Dolk, D R  
A distributed operating system design and dictionary/directory for the stock point logistics integrated communications environment  
Prepared for Fleet Material Support Office, Mechanicsburg, Pa. Naval Postgraduate School, (NPS-54-83-015), Nov., 1983. 73 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

- Thomas, G W  
Feasibility of modelling the supply of older age  
accessions: Final report for the period July, 1982 -  
Sept., 1982  
Prepared for Navy Personnel R & D Center, San Diego,  
Calif. Naval Postgraduate School, (NPRDC-TR-83-17),  
May, 1983. 33 p.
- Thomas, G W  
Organizational following and career orientation of  
military officers  
Naval Postgraduate School, (NPS-54-85-002), May,  
1985. 30 p.
- Thomas, G W; Elster, R S; Euske, K J; Griffin, P  
Attrition-Seventy Index (ADI) for selected Navy ratings:  
Development  
Naval Personnel Res. and Develop. Center,  
(NPRDC-TR-85-1), Oct., 1984. 35 p.
- Thomas, G W; Euske, K J; Smith, D F  
Estimating relationships in simulation models using  
regression: An application to military retirement  
costing  
Prepared for UnderSecretary of Defense for Manpower,  
Installations and Logistics. Naval Postgraduate  
School, (NPS-54-85-010), Sept., 1985. 25 p.
- Weitzman, R A  
Racial bias and predictive validity in testing for  
selection  
Naval Postgraduate School, (NPS-54-83-008), July,  
1983. 37 p.
- Weitzman, R A  
Small-sample calibration of Rasch-model items: The  
multiple log method  
Naval Postgraduate School, (NPS-54-83-010), Sept.,  
1983. 27 p.
- Weitzman, R A  
The reliability of observed multinomial frequencies and  
the estimation of true values  
Naval Postgraduate School, (NPS-54-83-009), Sept.,  
1983. 15 p.
- Whipple, D R; Hoag, J; Lavin, M  
Targeting resources for advanced underground coal  
extraction  
Jet Propulsion Lab., (JPS-82-15), Aug., 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

- Whipple, D R; LaPatra, J  
An evaluation of the Defense Productivity Program Office  
activities and organization: Final report  
Prepared for Office of Ass't Secty. of Defense,  
(Manpower, Reserve Affairs and Logistics), CIVPER  
Policy, Washington, D.C., (Tech. rep.), Apr., 1983.  
95 p.
- Zimmerman, D; Zimmerman, R; King, W  
Development and validation of preenlistment screening  
composites for army enlisted personnel  
U.S. Army Recruiting Command, Program Analysis and  
Evaluation Directorate - Res. Studies Div.,  
(USARECSR-85-2), July, 1985. 159 p.
- Zimmerman, R; Zimmerman, D  
Recruitment of college-bound youth through use of the  
ACT assessment file  
U.S. Army Recruiting Command, Program Analysis and  
Evaluation Directorate - Res. Studies Div., (USAREC  
SR-85-1), July, 1985. 129 p.
- Zimmerman, R; Zimmerman, D; Lathrop, M  
Study of factors related to Army delayed entry program  
attrition  
U.S. Army Recruiting Command, Program Analysis and  
Evaluation Directorate - Res. Studies Div. (USAREC  
SR-85-3), 1985. 112 p.



DEPARTMENT  
OF  
AERONAUTICS

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS

- Abramovich, S; Fuhs, A E  
Some characteristics of isentropic plumes of  
underexpanded free jets  
AIAA Aerospace Sciences Mtg., Reno, Nev., Jan., 1985.
- Ball, R E  
Education in aircraft combat survivability at NPS  
2nd Ann. AAAA Aircraft Survivability Equipment (ASE)  
Symp., Dallas, Tex., Nov. 7-9, 1984.
- Ball, R E; Ferrell, D R; Hesser, N P; Schaffer, V A  
Assessment of aircraft survivability in the conceptual  
and preliminary design phases  
2nd JTCG/AS Workshop in Survivability and  
Computer-Aided Des., Wright-Patterson AFB, Ohio,  
1982.
- Berger, M; Fuhs, A E; Kol, J  
Two-color photo pyrometry method for temperature  
measurement of moving burning particles  
AIAA Aerospace Sciences Mtg., Reno, Nev., Jan., 1985.
- Biblarz, O; Collins, D J; Fuhs, A E; Gawain, T H;  
Miller, J A; Narayanan, M A B; Netzer, D W; et al.  
Propulsion Education at the Naval Postgraduate School  
AIAA/SAE/ASME/ASEE 21st Joint Propulsion Conf.,  
Monterey, Calif., July 8-10, 1985.
- Biblarz, O; Gawain, T H  
Optimal channel configuration for an electrogasdynamic  
power generator  
17th Intersociety Energy Conversion Eng. Conf., Los  
Angeles, Calif., Aug. 8-12, 1982.
- Bramer, J; Dubeau, R; Hickey, P; King, A; Lohman, A;  
Weller, J; Netzer, D W  
Fuel composition and additive effects on soot production  
NAPC Particulate Emission Mtg., Monterey, Calif.,  
Apr. 16-18, 1985.
- Cramer, R G; Hansen, R J; Gillespie, T R; Edington, R J;  
McInnis, M A; Hickey, P J; Netzer, D W  
An investigation of experimental techniques for  
obtaining particulate behavior in metallized solid  
propellant combustion  
19th JANNAF Combustion Mtg., Greenbelt, Md., Oct.  
4-7, 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS (cont'd)

- Gany, A; Netzer, D W  
Combustion studies of metallized fuels for solid fuel  
ramjets  
AIAA/SAE/ASME/ASEE 21st Joint Propulsion Conf.,  
Monterey, Calif., July 8-10, 1985.
- Gany, A; Netzer, D W  
Thermochemical evaluation of fuel candidates for ramjet  
propulsion  
27th Israel Conf. on Aviation and Astronautics, Tel  
Aviv, Israel, Feb., 1985.
- Gordon, V C; Collins, D J  
MIMO automatic design synthesis for performance and  
robustness  
AIAA Controls Conf., Snowmass, Colo., Aug., 1985.
- Harch, W H; Collins, D J; Platzer, M F  
A description of the velocity field of a vane-excited  
jet  
8th Australasian Fluid Mechanics Conf., Newcastle,  
Australia, Nov. 28 - Dec. 2, 1983.
- Harri, R K; Lee, Y S; Hickey, P J; Graham, K J;  
Powers, J P; Netzer, D W  
Experimental techniques for obtaining particulate  
behavior in metallized solid propellant combustion  
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,  
1984.
- Kol, J; Fuhs, A E; Berger, M  
Experimental investigation of aluminum combustion in  
steam  
AIAA Aerospace Sciences Mtg., Reno, Nev., Jan., 1985.
- Layton, D M  
Basic aerostatics: - A tutorial  
AIAA Lighter-Than-Air Technology, Norfolk, Va., June,  
1985.
- Layton, D M; Wroblewski, J J  
The lateral response of an airship to turbulence  
5th Lighter-than-air Technol. Conf., Anaheim, Calif.,  
July, 1983.
- Netzer, D W  
SFRJ combustor modelling  
JANNAF Workshop on Evaluation of Operational and  
Cycle Analysis for the Solid Fuel Ramjet Naval  
Weapons Center, China Lake, Calif., July 16-17, 1985.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS (cont'd)

- Netzer, D W  
SFRT testing methods and data reduction techniques  
JANNAF Workshop on Evaluation of Operational and  
Cycle Analysis for the Solid Fuel Ramjet, Naval  
Weapons Center, China Lake, Calif., July 16-17, 1985.
- Netzer, D W; Katz, U  
Combustion pressure oscillations in solid fuel ramjets  
ONR/AFOSR Workshop on Mechanisms of Instability in  
Liquid-fueled Ramjets, Atlanta, Ga., Mar. 16-18,  
1983.
- Netzer, D W; Powers, J P  
Combustion/particle sizing experiments at the Naval  
Postgraduate School Combustion Research Laboratory  
Workshop on Automated Reduction of Data from Images  
and Holograms, NASA Ames, Mountain View, Calif., Jan.  
10-11, 1985.
- Netzer, D W; Powers, J P  
Experimental techniques for obtaining particle behavior  
in solid propellant combustion  
AGARD Specialist Mtg. on Smokeless Propellants,  
Florence, Italy, Sept. 12-13, 1985.
- Netzer, D W; Powers, J P  
Particle sizing in rocket motor studies utilizing  
hologram image processing  
NASA Workshop on Automated Reduction of Data from  
Images in Holograms, Moffett Field, Calif., Jan.  
10-11, 1985
- Netzer, D W; Powers, J P; Glenn, J G; Graham, K J;  
Harris, R K; Lee, Y  
Solid propellant combustion diagnostics and automated  
data retrieval from holograms  
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,  
1984.
- Own, S H  
Theory of the distribution of interfacial shear strength  
in a coated and uncoated single filament composite  
Gordon Res. Conf. on Fiber Sci., Colby-Sawyer  
College, New London, N. H., July 8-12, 1985.
- Parafiorito, T M; Netzer, D W  
Combustion pressure oscillations in solid fuel ramjets  
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,  
1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS (cont'd)

- Powers, J P; Netzer, D W  
Combustion particle sizing experiments at the Naval  
Postgraduate School Combustion Research Laboratory  
NASA Workshop Automated Reduction of Data From Images  
on Holograms, Moffett Field, Calif., Jan. 10-11,  
1985.
- Powers, J P; Shavit, Z; Biblarz, O; Miller, J A  
Variable focal length radiometer for particle sizing  
ICIASE '85 (11th Int. Cong. on Instrumentation in  
Aerospace Simulation Facilities), Stanford Univ.,  
Aug. 26-28, 1985.
- Shreeve, R P; Rosenwasser, H  
NAVAIR 6.1 program in energy conversion  
FY1983 Defense Res. Sciences Technical Area Rev.,  
Pentagon, Washington, D.C., June 2, 1982.
- Tillotson, K D; Fuhs, A E  
Analysis and wind tunnel tests of a probe used to sense  
altitude through measurement of static pressure  
AIAA Atmos. Flight Mech. Conf., San Diego, Calif.,  
Aug. 10-12, 1982.  
IN Preprint, AIAA, (paper 82-1361).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF AERONAUTICS  
CONTRIBUTIONS TO BOOKS

- Ball, R E  
The fundamentals of aircraft combat survivability  
analysis and design  
New York, N. Y., Am. Inst. of Aeron. and  
Astronautics, 1985. 398 p.
- Fuhs, A E  
Radar cross section lectures  
Monterey, Calif., Naval Postgraduate School, 1982.  
161 p.
- Fuhs, A E; Fuhs, S E  
Optical phase distortion due to compressible flow over  
laser turrets  
IN K. S. Gilbert and L. J. Otten, eds.:  
Aero-optical phenomena, American Institute of  
Aeronautics and Astronautics, 1982, p. 101-138.
- Gawain, T H; Biblarz, O  
Ejector augmented electrohydrodynamic power generator  
IN C. Solbrig, ed.: Advanced energy concepts,  
Ann Arbor, Mich., Sci. Publ., Inc., 1982.
- Gawain, T H; Biblarz, O  
Performance characteristics of a type of  
electrohydrodynamic generator  
IN C. W. Solbrig, ed.: Advanced energy concepts,  
Ann Arbor Sci. Publishers, Mich., 1982.
- Miller, J A; Morel, T  
Aerodynamics of transportation: Vol. II  
New York, N. Y., Am. Soc. of Mech. Engrs., 1983. 250  
p.
- Platzer, M F  
The future of naval aviation: A third approach  
IN L. L. Dick: The attack transport seaplane: A  
cost-effectiveness study, Monterey, Calif.,  
Naval Postgraduate School, Oct., 1982, p.  
187-199.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF AERONAUTICS  
PUBLISHED PAPERS

- Abramovich, S; Fuhs, A E  
Some characteristics of isentropic plumes of  
underexpanded free jets  
AIAA Aerospace Sciences Mtg. Reno, Nev. Jan., 1985.  
IN Conf. preprint, AIAA-85-0048, (1985).
- Ball, R E; Ferrell, D R; Hesser, N P; Schaffer, V A  
Assessment of aircraft survivability in the conceptual  
and preliminary design phases  
2nd JTCG/AS Workshop on Survivability and  
Computer-aided Design, USAF Museum, Wright-Patterson  
AFB, Ohio, May 18-20, 1982.  
IN Proc., JTCG/AS, Vol. 1, p. 387-426, (1982).
- Berger, M; Fuhs, A E; Kol, J  
Two-color photo-pyrometry method for temperature  
measurement of moving burning particles  
AIAA Aerospace Sciences Mtg. Reno, Nev. Jan., 1985.  
IN Conf. preprint, AIAA-85-0157, (1985).
- Biblarz, O; Collins, D J; Fuhs, A E; Gawain, T H;  
Miller, J A; Narayanan, M A B; Netzer, D W; et al.  
Propulsion Education at the Naval Postgraduate School  
AIAA/SAE/ASME/ASEE 21st Joint Propulsion Conf.,  
Monterey, Calif., July 8-10, 1985.  
IN Conf. preprint, AIAA-85-1146, (1985).
- Biblarz, O; Gawain, T H  
Optimal channel configuration for an electrogasdynamic  
power generator  
17th Intersociety Energy Conversion Eng. Conf., Los  
Angeles, Calif., Aug. 8-12, 1982.  
IN 17th IECEC Record, IEEE, p. 485-489, (1982).
- Cramer, R G; Hansen, R J; Gillespie, T R; Edington, R J;  
McInnis, M A; Hickey, P J; Netzer, D W  
An investigation of experimental techniques for  
obtaining particulate behavior in metallized solid  
propellant combustion  
19th JANNAF Combustion Mtg., Greenbelt, Md., Oct.  
4-7, 1982.  
IN Proc., (Chem. Propulsion Information Agency  
publication; no. 366), p. 29-39, (Oct., 1982).
- Fuhs, A E  
Metal combustion in steam  
U.S. Navy Warhead Mtg., Los Alamos Nat. Lab., Los  
Alamos, N.M., Dec. 14-16, 1981.  
IN Proc., Silver Spring, Md., Naval Surface  
Weapons Center, White Oak Labs., 534 p.,  
(1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF AERONAUTICS

PUBLISHED PAPERS

(cont'd)

- Fuhs, A E  
Radar cross section: Lecture I: Introduction to  
electromagnetic scattering  
General Dynamics Fort Worth Div., Tex., Aug., 1982.  
IN A. E. Fuhs: Radar cross section lectures,  
Monterey, Calif., Naval Postgraduate School,  
1982, p. 3-37.
- Fuhs, A E  
Radar cross section: Lecture I: Introduction to  
electromagnetic scattering  
NASA Ames Res. Center, Moffett Field, Calif.,  
Mar.-Apr. 1982.  
IN A. E. Fuhs: Radar cross section lectures,  
Monterey, Calif., Naval Postgraduate School,  
1982. p. 3-37.
- Fuhs, A E  
Radar cross section: Lecture II: Radar cross section  
calculations; Radar range equation  
General Dynamics Fort Worth Div., Tex., Aug., 1982.  
IN A. E. Fuhs: Radar cross section lectures,  
Monterey, Calif., Naval Postgraduate School,  
1982, p. 39-103.
- Fuhs, A E  
Radar cross section: Lecture II: Radar cross section  
calculations; Radar range equation  
NASA Ames Res. Center, Moffett Field, Calif.,  
Mar.-Apr. 1982.  
IN A. E. Fuhs: Radar cross section lectures,  
Monterey, Calif., Naval Postgraduate School,  
1982, p. 39-103.
- Fuhs, A E  
Radar cross section: Lecture III: Aircraft design and  
radar cross section  
General Dynamics Fort Worth Div., Tex., Aug., 1982.  
IN A. E. Fuhs: Radar cross section lectures,  
Monterey, Calif., Naval Postgraduate School,  
1982, p. 105-139.
- Fuhs, A E  
Radar cross section: Lecture III: Aircraft design and  
radar cross section  
NASA Ames Res. Center, Moffett Field, Calif.,  
Mar.-Apr. 1982.  
IN A. E. Fuhs: Radar cross section lectures,  
Monterey, Calif., Naval Postgraduate School,  
1982, p. 105-139.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF AERONAUTICS

PUBLISHED PAPERS

(cont'd)

- Fuhs, A E  
Radar cross section: Lecture IV: Solution techniques  
General Dynamics Fort Worth Div., Tex., Aug., 1982.  
IN A. E. Fuhs: Radar cross section lectures,  
Monterey, Calif., Naval Postgraduate School,  
1982, p. 141-161.
- Fuhs, A E  
Radar cross section: Lecture IV: Solution techniques  
NASA Ames Res. Center, Moffett Field, Calif.,  
Mar.-Apr., 1982.  
IN A. E. Fuhs: Radar cross section lectures,  
Monterey, Calif., Naval Postgraduate School,  
1982, p. 141-161.
- Fuhs, A E; Buck, J A; Hallenbeck, A E; Strott, J B  
Metal combustion in steam  
Am. Soc. of Nav. Engrs. J., vol. 97, no. 3, p. 65-79,  
(Mar., 1985).
- Gany, A; Netzer, D W  
Combustion studies of metallized fuels for solid fuel  
ramjets  
AIAA/SAE/ASME/ASEE 21st Joint Propulsion Conf.,  
Monterey, Calif., July 8-10, 1985.  
IN Conf. preprint, AIAA-85-1177, (1985).
- Gany, A; Netzer, D W  
Thermochemical evaluation of fuel candidates for ramjet  
propulsion  
27th Israel Conf. on Aviation and Astronautics, Tel  
Aviv, Israel, Feb. 1985  
IN Proc., p. 210-219, (1985).
- Harri, R K; Lee, Y S; Hickey, P J; Graham, K J;  
Powers, J P; Netzer, D W  
Experimental techniques for obtaining particulate  
behavior in metallized solid propellant combustion  
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,  
1984.  
IN Proc., C.P.I.A., p. 1-14, (1985).
- Healey, J V  
The effects of non-coherence on energy extraction from a  
turbulent wind  
Wind Eng., vol. 8, no. 4, p. 221-230, (1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF AERONAUTICS

PUBLISHED PAPERS

(cont'd)

- Healey, J V  
The influence of spectrum functions and filters on  
crossing frequency of atmospheric turbulence  
J. of Atmos. and Oceanic Technol., 8 p., (Dec., 1985)
- Hui, W H; Platzer, M F; Youroukos  
Oscillating supersonic/hypersonic wings at high  
incidence  
AIAA J., vol. 20, no. 3, p. 299-304, (Mar., 1982).
- Kol, J; Fuhs, A E; Berger, M  
Experimental investigation of aluminum combustion in  
steam  
AIAA Aerospace Sciences Mtg., Reno, Nev., Jan., 1985.  
IN Conf. preprint, AIAA-85-0157, (1985).
- Layton, D M  
Basic aerostatics: - A tutorial  
AIAA Lighter-Than-Air Technology, Norfolk, Va., June,  
1985.  
IN Proc., AIAA, (1985).
- Layton, D M; Wroblewski, J J  
The lateral response of an airship to turbulence  
5th Lighter-than-air Technol. Conf., Anaheim, Calif.,  
July, 1983.  
IN Proc., AIAA, (1983).
- Metochianakis, M E; Netzer, D W  
Modeling solid-fuel ramjet combustion, including  
radiation to the fuel surface  
J. Spacecraft and Rockets, vol. 20, no. 4, p.  
405-406, (July-Aug., 1983).
- Netzer, D W; Katz, U  
Combustion pressure oscillations in solid fuel ramjets  
ONR/AFOSR Workshop on Mechanisms of Instability in  
Liquid-fueled Ramjets, Atlanta, Ga., Mar. 16-18,  
1983.  
IN Proc., (Chem. Propulsion Information Agency  
publication; no. 375), p. 71-87, (Apr., 1983).
- Netzer, D W; Powers, J P  
Combustion/particle sizing experiments at the Naval  
Postgraduate School Combustion Research Laboratory  
Workshop on Automated Reduction of Data from Images  
and Holograms, NASA Ames, Mountain View, Calif., Jan.  
10-11, 1985.  
IN Proc., NASA, (1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF AERONAUTICS

PUBLISHED PAPERS

(cont'd)

- Netzer, D W; Powers, J P  
Experimental techniques for obtaining particle behavior  
in solid propellant combustion  
AGARD Specialist Mtg. on Smokeless Propellants,  
Florence, Italy, Sept. 12-13, 1985.  
IN Proc., NASA, (1985).
- Netzer, D W; Powers, J P  
Particle sizing in rocket motor studies utilizing  
hologram image processing  
NASA Workshop on Automated Reduction of Data from  
Images on Holograms, Moffett Field, Calif., Jan.  
10-11, 1985  
IN Proc., NASA, (1985).
- Parafiorito, T M; Netzer, D W  
Combustion pressure oscillations in solid fuel ramjets  
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,  
1984.  
IN Proc., C.P.I.A., p. 679-687, (1985).
- Platzer, M F  
Transonic blade flutter: Survey of new developments  
Shock and Vibration Digest, vol. 14, no. 7, p. 3-8,  
(July, 1982).
- Powers, J P; Netzer, D W  
Combustion particle sizing experiments at the Naval  
Postgraduate School Combustion Research Laboratory  
NASA Workshop Automated Reduction of Data From Images  
on Holograms, Moffett Field, Calif., Jan. 10-11,  
1985.  
IN Proc., Nasa, (1985).
- Powers, J P; Shavit, Z; Biblarz, O; Miller, J A  
Variable focal length radiometer for particle sizing  
ICIASF '85 (11th Int. Cong. on Instrumentation in  
Aerospace Simulation Facilities), Stanford Univ.,  
Aug. 26-28, 1985.  
IN Proc., p. 115-122, (1985).
- Schonberger, A E; Fuhs, A E; Mandigo, A M  
Flow control for an airborne laser turret  
J. of Aircr., vol. 19, no. 7, p. 531-537, (July,  
1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF AERONAUTICS

TECHNICAL REPORTS AND NOTES

- BadriNarayanan, M A; Platzer, M F; Rickenbaker, E  
A novel oscillating plane jet: Its effect on ejector  
thrust augmentation  
Prepared for Naval Air Systems Command, Washington,  
D.C. Naval Postgraduate School, (NPS-67-85-005),  
May, 1985. 32 p.
- Bramer, J R; Netzer, D W  
An investigation of the effectiveness of smoke  
suppressant fuel additives for turbojet applications  
Sponsored by Naval Air Propulsion Center, Trenton, N.  
J. Naval Postgraduate School, (NPS-67-82-13), Sept.,  
1982. 61 p.
- Dubeau, R W; Hickey, P J; Krug, A C; Lohman, A L;  
Weller, J; Netzer, D W  
An investigation of the effects of fuel composition on  
combustion characteristics in a T-63 combustor  
Prepared for Naval Air Propulsion Center, Trenton,  
N.J. Naval Postgraduate School, (NPS-67-85-004),  
Mar., 1985. 88 p.
- Ferrell, D R  
A computer program to calculate in-plane and flexural  
properties of symmetric laminates on the HP-87  
microcomputer  
Prepared for AFWAL/MLBM, Wright-Patterson AFB, Ohio.  
Naval Postgraduate School, (NPS-67-82-011), Sept.,  
1982. 60 p.
- Fuhs, A E  
Computer program for calculating hydrodynamic properties  
of shock waves in sea water  
Prepared for Naval Surface Weapons Center (Code  
R102), White Oak Labs., Silver Spring, Md. Naval  
Postgraduate School, (NPS-67-82-001), Feb, 1982. 43  
p.
- Gany, A; Netzer, D W  
Fuel performance evaluation for the solid-fueled ramjet  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-67-84-012), Oct.,  
1984 35 p.
- Heinemann, H -J  
Dual probe digital sampling (DPDS) technique for rotor  
flows: Review of the development and an assessment  
based on early results: Final report for period Oct.,  
1980 - Mar., 1982.  
Prepared for Naval Air Systems Command, Washington,  
D.C. Naval Postgraduate School, (NPS-67-82-009),  
Apr., 1982. 153 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF AERONAUTICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Kargounis, S G; Diloreto, V D; Gillespie II, T R;  
Dubrov, E; Hickey, P J; Netzer, D W  
An investigation of experimental techniques for  
obtaining particulate behavior in metallized solid  
propellant combustion  
Air Force Rocket Propulsion Lab., (AFRPL-TR-82-051),  
July, 1982. 151 p.
- Shreeve, R P; Neuhoff, F  
Measurements of the flow from a high speed compressor  
rotor using a dual probe digital sampling (DPDS)  
technique: Interim report for period Oct., 1980 -  
Sept., 1982  
Sponsored by Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-67-82-010), Sept.,  
1982.
- Thornburg, D W; Darnell, T R; Netzer, D W  
An investigation of the effects of smoke suppressant  
fuel additives on engine and test cell exhaust gas  
opacities  
Prepared for Naval Air Propulsion Center, Trenton, N.  
J. Naval Postgraduate School, (NPS-67-82-004), May  
1982. 104 p.

**DEPARTMENT  
OF  
COMPUTER SCIENCE**

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE  
CONFERENCE PRESENTATIONS

- Badal, D Z  
Long-lived transactions: Are they a problem or not?  
26th IEEE Computer Soc. Int. Conf., San Francisco,  
Calif., Feb. 28-Mar. 3, 1983.
- Badal, D Z; Gehl, M T  
On deadlock detection in distributed computer systems  
2nd Joint Conf. of IEEE Computer and Communication  
Societies, San Diego, Calif., Apr. 19-21, 1983.
- Badal, D Z; Relue, R  
Database systems in microworld: dBase II and MDBS III  
ACM SIGMOD '83 Int. Conf. on Management of Data, San  
Jose, Calif., May 23-26, 1983.
- Bradley, G H; Brown, G G; Geoffrion, A  
Mathematical programming models for multiperiod  
production and sales planning  
ORSA/TIMS Nat. Mtg., San Diego, Calif., Oct. 25,  
1982.
- Bradley, G H; Clemence, R  
Implementation of structured modeling for optimization  
1984 Ann. Am. Inst. of Chemical Engrs., San  
Francisco, Calif., Nov. 26-30, 1984.
- Bradley, G H; Clemence, R  
Implementation of structured modeling for optimization  
ORSA/TIMS Nat. Mtg., Dallas, Tex., Nov. 26-28, 1984.
- Bradley, G H; Clemence, R  
Implementation of a structured modeling language for  
optimization  
12th Int. Symp. on Mathematical Programming, Boston,  
Mass., Aug. 5-9, 1985.
- Bradley, G. H.; Clemence, R.  
Implementation of a structured modeling language for  
optimization  
12th Int. Symp. on Mathematical Programming, Boston,  
Mass., Aug. 5-9, 1985.
- Demurjian, S A; Hsiao, D K  
New directions in database-system research and  
development  
New Directions in Computing, Trondheim, Norway, Aug.,  
1985.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONFERENCE PRESENTATIONS (cont'd)

- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J;  
Strawser, P R; Tekampe, R C; Watson, R J  
Performance evaluations of a database system in multiple  
backend configurations  
4th Int. Workshop on Database Machines, Newport,  
Great Bahama Island, Mar., 1985.
- Hsiao, D K  
A multi-backend data base system  
3rd Int. Workshop on Database Machines, Munich, F. R.  
G., Sept. 26, 1983.
- Hsiao, D K  
Benchmarking database machine: A methodology  
3rd Int. Workshop on Database Machines, Munich, F. R.  
G., Sept. 26, 1983.
- Hsiao, D K  
Database machine research  
NAVDAC Workshop on Database Machines, NAVDAC, Sept.  
16, 1983.
- MacLennan, B J  
Simple metrics for programming languages  
Symp. on the Empirical Foundations of Information and  
Software Sci., Atlanta, Ga., Nov. 3-5, 1982.
- MacLennan, B J  
On the validation of computer science theories  
2nd Symp. on Empirical Foundations of Information and  
Software Sci., Atlanta, Ga., Oct. 3-5, 1984.
- MacLennan, B J  
A simple software environment based on objects and  
relations  
ACM SIGPLAN '85 Symp. on Language Issues in  
Programming Environments, Seattle, Wash., June 25-28,  
1985.
- Smith, D R  
Derived preconditions and their use in program synthesis  
6th Conf. on Automated Deduction, New York, N. Y.,  
June, 1982.
- Wu, C T  
Concurrency in linear and interpolation hashing  
19th Ann. Conf. on Information Sciences and Systems,  
Baltimore, Md., Mar., 1985.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONFERENCE PRESENTATIONS (cont'd)

Wu, C T  
Data organization method for the parallel execution of  
relational operation  
Int. Conf. on Foundations of Data Organization,  
Kyoto, Japan, May, 1985.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE  
CONTRIBUTIONS TO BOOKS

- Badal, D Z  
Concurrency control  
IN H. J. Schneider, ed.: Distributed databases,  
Amsterdam and New York, No. Holland Pub. Co.,  
1982, 10 p.
- Badal, D Z  
The effects of concurrency control on centralized DBMS  
and distributed DBMS based on long haul and local  
networks  
IN H. J. Schneider, ed.: Distributed databases,  
Amsterdam and New York, No. Holland Pub. Co.,  
1982. 10 p.
- Bogdanowicz, R; Crocker, M; Hsiao, D K; Ryder, C; Stone, V;  
Strawser, P R  
Experiments in benchmarking relational database machines  
IN D. K. Hsiao, ed.: Database machines, New  
York, N.Y., Springer-Verlag, 1983, p. 106-134.
- Boyne, D; Hsiao, D K; Kerr, D S; Orooji, A  
A message-oriented implementation of a multi-backend  
database system (MDBS)  
IN D. K. Hsiao, ed.: Database machines, New  
York, N.Y., Springer-Verlag, 1983, p. 242-266.
- Bradley, G H; Brown, G G; Graves, G  
Structural redundancy in large-scale optimization models  
(Ch. 12)  
IN S. Zionts and S. Telgen, eds.: Redundancy in  
mathematical programming, Springer-Verlag,  
(Lecture notes in econ. and math. systems, v.  
206), 1982, 25 p.
- Bradley, G H; Brown, G G; Graves, G W  
Structural redundancy in large-scale optimization models  
IN M. Karwan, et al., eds.: Redundancy in  
mathematical programming, New York, N. Y.,  
Springer-Verlag, 1983, p. 145-169.
- Bradley, G H; Goeffrion, A  
Production and sales planning with limited shared  
tooling at the key operation  
IN K. Lawrence and S. Zanakis, eds.: Production  
planning and scheduling, Allie Press, Atlanta,  
Ga., 1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONTRIBUTIONS TO BOOKS

(cont'd)

- Hamming, R W  
Digital filters (2nd ed.)  
Englewood Cliffs, N. J., Prentice-Hall, Inc., 1982.  
257 p.
- Hamming, R W  
Methods of mathematics applied to calculus, probability  
and statistics  
Englewood Cliffs, N. J., Prentice-Hall, June, 1985.  
857 p.
- He, X G; Higashida, M; Kerr, D S; Orooji, A; Shi, Z Z;  
Strawser, P R; Hsiao, D K  
The implementation of a multi-backend database system  
(MDBS): Part II: The design of a prototype MDBS  
IN D. K. Hsiao, ed.: Advanced database machine  
architecture, Prentice-Hall, 1983, p. 327-385.
- Hsiao, D K; ed.  
Advanced database machine architecture  
Englewood Cliffs, N. J., Prentice-Hall, 1983.
- Hsiao, D K; Kerr, D S; Orooji, A; Shi, Z Z; Strawser, P R  
The implementation of a multi-backend database system  
(MDBS): Part I: An exercise in software engineering  
IN D. K. Hsiao, ed.: Advanced database machine  
architecture, Prentice-Hall, 1983, p. 300-326.
- MacLennan, B J  
Principles of programming languages: Design, evaluation  
and implementation  
Holt, Rinehart and Winston, 1983. 544 p.
- Menon, M J; Hsiao, D K  
Design and analysis of joint operations of database  
machines  
IN D. K. Hsiao, ed.: Advanced database machine  
architecture, Prentice-Hall, 1983, p. 203-255.
- Schneidewind, N F  
Interconnecting local networks to long-distance networks  
IN Datapro research reports, planning, Datapro  
Res. Corp., Nov., 1984, p. CS-20-475-101:111.
- Smith, D R  
The synthesis of LISP programs from examples: A survey  
IN A. Biermann, Y. Kodratoff, and G. Guiho, eds.:  
Automatic program construction techniques, New  
York, N. Y., Macmillan Pub. Co., 1982, 24 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS

- Badal, D Z  
The effects of concurrency control on centralized DBMS  
and distributed DBMS based on long haul and local  
network  
2nd Int. Symp. on Distributed Databases, Berlin, F.  
R. G., Sept., 1982.  
IN Proc., 10 p. (1982).
- Badal, D Z  
Long-lived transactions: Are they a problem or not?  
26th IEEE Computer Soc. Int. Conf., San Francisco,  
Calif., Feb. 28-Mar. 3, 1983.  
IN Proc., IEEE Computer Soc. Press, 8 p., (1983).
- Badal, D Z; Gehl, M T  
On robustness of deadlock detection algorithms for  
distributed computing systems  
2nd Int. Conf. in Computer Sci., Aug., 1982.  
IN Proc., 31 p., (1982).
- Badal, D Z; Gehl, M T  
On deadlock detection in distributed computer systems  
2nd Joint Conf. of IEEE Computer and Communication  
Societies, San Diego, Calif., Apr. 19-21, 1983.  
IN Proc., ACM, 15 p., (1983).
- Badal, D Z; Relue, R  
Database systems in microworld: dBase II and MDBS III  
ACM SIGMOD '83 Int. Conf. on Management of Data, San  
Jose, Calif., May 23-26, 1983.  
IN Proc., ACM, 12 p., (1983).
- Bitton, D; DeWitt, D J; Hsiao, D K; Menon, J  
A taxonomy of parallel sorting  
ACM Computing Surveys, vol. 16, no. 3, p. 287-318,  
(Sept., 1984).
- Demurjian, S A; Hsiao, D K  
New directions in database-system research and  
development  
New Directions in Computing, Trondheim, Norway, Aug.,  
1985.  
IN Proc., IEEE Computer Soc. Press, (1985).
- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J;  
Strawser, P R; Tekampe, R C; Watson, R J  
Performance evaluation of a database system in multiple  
backend configurations  
4th Int. Workshop on Database Machines, Newport,  
Great Bahama Island, Mar., 1985.  
IN Proc., Micro-electronic and Computer Technology  
Corp., (1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS

(cont'd)

- Hsiao, D K  
Cost-effective ways of improving database computer performance  
AFIPS Conf., Los Angeles, Calif., May, 1983.  
IN Proc., AFIPS, vol. 52, p. 293-298, (1983).
- Kodres, U R  
Processing efficiency of a class of multi-computer systems  
MIMI '82 Conf., Cambridge, Mass., July 7-9, 1982.  
IN Proc., ACTA Press, (1982).
- Kodres, U R  
Processing efficiency of a class of multicomputer systems  
Int. J. of Mini- and Microcomputers, vol. 5, no. 2,  
p. 28-33, (1983).
- MacLennan, B J  
A simple, natural notation for applicative languages  
SIGPLAN Notices, vol. 17, no. 10, 7 p., (Oct., 1982).
- MacLennan, B J  
Values and objects in programming languages  
SIGPLAN Notices, vol. 17, no. 12, p. 70-79, (Dec., 1982).
- MacLennan, B J  
Overview of relational programming  
SIGPLAN Notices, vol. 18, no. 3, 10 p., (Mar., 1983).
- MacLennan, B J  
A simple software environment based on objects and relations  
ACM SIGPLAN '85 Symp. on Language Issues in Programming Environments, Seattle, Wash., June 25-28, 1985.  
IN SIGPLAN Notices 20, (July, 1985).
- Smith, D R  
Derived preconditions and their use in program synthesis  
6th Conf. on Automated Deduction, New York, N. Y., June, 1982.  
IN Proc., (Lecture notes in computer science; no. 138), New York, N. Y., Springer-Verlag, p. 172-193, (1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS

(cont'd)

- Smith, D R  
Random trees and the analysis of branch and bound  
procedures  
ACM J., 42 p., (1983).
- Taylor, J G; Brown, G G  
Annihilation prediction for Lanchester-type models of  
modern warfare  
Operations Res., vol. 31, no. 4, p. 752-771,  
(July-Aug., 1983).
- Wu, C T  
Data organization method for the parallel execution of  
relational operation  
Int. Conf. on Foundations of Data Organization,  
Kyoto, Japan, May, 1985.  
IN Proc., (1985).
- Wu, C T  
Concurrency in linear and interpolation hashing  
19th Ann. Conf. on Information Sciences and Systems,  
Baltimore, Md., Mar., 1985.  
IN Proc., John Hopkins Univ., (1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE  
TECHNICAL REPORTS AND NOTES

- Badal, D Z  
Distributed vs. centralized database systems:  
Transaction execution cost and performance  
Naval Postgraduate School, (NPS-52-82-007), July,  
1982.
- Badal, D Z  
Long-lived transactions: Are they a problem or not?  
Naval Postgraduate School, (NPS-52-82-003), Mar.,  
1982. 25 p.
- Badal, D Z; Gehl, M T  
On robustness of deadlock detection algorithms for  
distributed computing systems  
Naval Postgraduate School, (NPS-52-82-001), Feb.,  
1982. 33 p.
- Boyne, R D; Demurjian, S A; Hsiao, D K; Kerr, D S;  
Orooji, A  
The implementation of a multi-backend database system  
(MDBS): Part III: The message oriented version with  
concurrency control and secondary memory based  
management  
Prepared for Office of Naval Res., Arlington, VA.  
Naval Postgraduate School. (NPS-52-83-003), Mar.,  
1983.
- Cox, L A; Schell, R R; Perdue, S L  
The Naval Postgraduate School SECURE ARCHIVAL STORAGE  
SYSTEM: Part 2: Segment and process management  
implementation  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-82-001), 1982.  
451 p.
- Davis, D L  
A formal method for specifying computer resources in an  
implementation independent manner  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-022), Nov.,  
1984. 37 p.
- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J;  
Strawser, P R; Tekampe, R C; Watson, R J  
Performance evaluation of a database system in multiple  
backend configurations  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-019), Oct.,  
1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- Demurjian, S A; Hsiao, D K; Marshall, R G  
The architectural requirements and integration analysis  
of a database server for office automation  
Sponsored by Office of Naval Res. and DOD STARS  
Program. Naval Postgraduate School, (NPS-52-85-008),  
May, 1985. 20 p.
- Demurjian, S A; Hsiao, D K; Menon, J  
A multi-backend database system for performance gains,  
capacity growth and hardware upgrade  
Sponsored by Office of Naval Res. and DOD STARS  
Program. Naval Postgraduate School, (NPS-52-85-002),  
Feb., 1985. 30 p.
- Demurjian, S A; Hsiao, D K; Strawser, P R  
Design analysis and performance evaluation methodologies  
for database computers  
Sponsored by Office of Naval Res. and DOD STARS  
Program. Naval Postgraduate School, (NPS-52-85-009),  
June, 1985. 117 p.
- Demurjian, S A; Hsiao, D K; Vincent, J R  
A benchmarking methodology for the centralized-database  
computer with expandable and parallel database  
processors and stores  
Sponsored by Office of Naval Res. and DOD STARS  
Program. Naval Postgraduate School, (NPS-52-85-011),  
Aug., 1985. 46 p.
- He, X; Higashida, M; Hsiao, D K; Kerr, D S; Orooji, A;  
Shi, Z; Strawser, P  
The implementation of a multi-backend database system  
(MDBS): Part II: The first prototype MDBS and the  
software engineering experience  
Naval Postgraduate School, (NPS-52-82-008), July,  
1982. 149 p.
- Hsiao, D K  
Future database machine architecture  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-014), Sept.,  
1984. 12 p.
- Hsiao, D K; Menon, M J  
Design and analysis of a multi-backend database system  
for performance improvement, functionality expansion and  
capacity growth (Part I)  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-83-006), June,  
1983. 175 p.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- Hsiao, D K; Menon, M J  
Design and analysis of a multi-backend database system  
for performance improvement, functionality expansion and  
capacity growth (Part II)  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-83-007), June,  
1983. 110 p.
- Kerr, D S; Orooji, A; Shi, Z Z; Strawser, P R  
The implementation of a multi-backend database system  
(MDBS): Part I: Software engineering strategies and  
efforts towards a prototype MDBS  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-83-008), June,  
1983. 146 p.
- MacLennan, B J  
A relational program for a syntax directed editor  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-82-006), Apr.,  
1982. 33 p.
- MacLennan, B J  
A simple, natural notation for applicative languages  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-82-009), Sept.,  
1982. 16 p.
- MacLennan, B J  
Simple metrics for programming languages  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-82-010), Oct.,  
1982. 32 p.
- MacLennan, B J  
A commentary on Mill's Logic: Book I: Of names and  
propositions  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-83-013), Oct.,  
1983. 64 p.
- MacLennan, B J  
A computer science version of Godel's theorem  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-83-010), Aug.,  
1983. 15 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- MacLennan, B J  
A view of object-oriented programming  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-83-001), Feb.,  
1983. 54 p.
- MacLennan, B J  
Abstraction in the Intel iAPX-432 prototype systems  
implementation language  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-83-004), Apr.,  
1983. 27 p.
- MacLennan, B J  
Concurrency and synchronization in the Intel iAPX-432  
prototype systems implementation language  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-83-011), Sept.,  
1983. 27 p.
- MacLennan, B J  
Relational programming  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-83-012), Sept.,  
1983. 77 p.
- MacLennan, B J  
Computable real analysis  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-024), Dec.,  
1984. 75 p.
- MacLennan, B J  
Information - theoretic properties of languages and  
their grammars  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-010), Aug.,  
1984. 49 p.
- MacLennan, B J  
On the validation of computer science theories  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-021), Nov.,  
1984. 14 p.
- MacLennan, B J  
The four forms of omega  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-026), Dec.,  
1984. 30 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- MacLennan, B J  
A simple software environment based on objects and relations  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-85-005), Apr., 1985. 29 p.
- MacLennan, B J  
Experience with OMEGA: Implementation of a prototype programming environment: Part 1  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-85-006), May, 1985.
- MacLennan, B. J.  
A simple software environment based on objects and relations  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-85-005), Apr., 1985. 29 p.
- Ross, A A; Bowers, J  
Computer system design environment software development plan  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-83-009), July, 1983. 21 p.
- Rowe, N C  
Antisampling for estimation: An overview  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-016), 1984. 25 p.
- Rowe, N C  
Naming in Programming  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-017), Oct., 1984. 18 p.
- Rowe, N C  
Steps toward parsing of query sequences to a database  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-015), Oct., 1984. 12 p.
- Rowe, N C  
Absolute bounds on set intersection and union sizes from distribution information  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-85-014), Sept., 1985. 47 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- Samples, A D  
Implementation of Parnas' it-ti construct in LISP  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-82-005), Mar.,  
1982. 22 p.
- Smith, D R  
Derived preconditions and their use in program synthesis  
Naval Postgraduate School, (NPS-52-82-002), Mar.,  
1982. 29 p.
- Smith, D R  
Top-down synthesis of simple divide and conquer  
algorithms  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-82-011), Nov.,  
1982. 103 p.
- Smith, D R  
The structure of divide and conquer algorithms  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-83-002), Mar.,  
1983. 38 p.
- Zyda, M J  
A decomposable algorithm for contour surface display  
generation  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-011), Aug.,  
1984. 29 p.
- Zyda, M J  
Real-time contour surface display generation  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-51-84-013), Sept.,  
1984. 21 p.
- Zyda, M J  
The feasibility of a multiprocessor architecture for  
real-time contour surface display generation  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-025), Dec.,  
1984. 27 p.
- Zyda, M J  
The use of VLSI technology for the real-time generation  
of graphics displays: A proposal  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-85-003), Mar.,  
1985. 14 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- Zyda, M J  
Workstation graphics capabilities for the 1990's and  
beyond  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-85-013), Sept.,  
1985. 35 p.
- Zyda, M J; Walker, R A  
A systems architecture for real-time contour surface  
display generation  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-85-012), Aug.,  
1985. 41 p.
- Zyda, M J; Walker, R A  
An integrated systems architecture for real-time contour  
surface display generation  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-85-010), Aug.,  
1985. 59 p.

**DEPARTMENT  
OF  
ELECTRICAL AND  
COMPUTER ENGINEERING**

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS

- Abbott, L W  
Test experience on an ultra-reliable computer  
communication network  
IEEE/IAAA 6th Digital Avionics Systems Conf., Dec.  
3-6, 1984.
- Abbott, L W  
A synergistic fault tolerant computer design for an  
N-version programming environment  
19th Asilomar Conf. on Circuits, Systems, and  
Computers, Pacific Grove, Calif., Nov. 6-8, 1985.
- Abbott, L W; Varma, A; Hariri, S; Smyth, R  
System design of a nodal communication's processor  
IEEE Microprocessor Forum, Atlantic City, N. J., Apr.  
2-4, 1985.
- Agrawal, A; Wood, R K; Lee, C -H  
Computing source-to-K-terminal reliability in directed  
acyclic networks  
Nat. Sci. Foundation Network Reliability Workshop,  
Stevens Institute, Hoboken, N. J., Aug. 24-26, 1983.
- Guyomar, D; Powers, J P  
Influence of baffle conditions on transient radiation  
108th Acoust. Soc. of Am. Mtg., Minneapolis, Minn.,  
Oct. 8-12, 1984.
- Guyomar, D; Powers, J P  
Transient radiation from focused transducers  
IEEE Ultrasonics Symp., Dallas, Tex., Nov. 14-16,  
1984.
- Guyomar, D; Powers, J P  
Propagation of transient acoustic waves in lossy and  
lossless media  
14th Symp. on Acoustical Imaging, The Hague,  
Netherlands, Apr. 22-25, 1985.
- Guyomar, D; Powers, J P  
Transient fields from focused acoustic waves  
14th Symp. on Acoustical Imaging, The Hague,  
Netherlands, Apr. 22-25, 1985.
- Harri, R K; Lee, Y S; Hickey, P J; Graham, K J;  
Powers, J P; Netzer, D W  
Experimental techniques for obtaining particulate  
behavior in metallized solid propellant combustion  
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,  
1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

- Jaurequi, S  
Radio frequency distribution: Problem areas  
Signal to Noise Enhancement Program, Naval  
Postgraduate School, Monterey, Calif., Nov. 6-7,  
1984.
- Kirk, D E; Verly, J G  
A distributed implementation of fast Fourier transforms  
18th Asilomar Conf. on Circuits, Systems and  
Computers, Pacific Grove, Calif., Nov., 1984.
- Lee, C -H  
Image signal representation at uneven knots  
NAVELEX Program Review, Naval Res. Lab., Washington,  
D.C., Dec. 7, 1984.
- Lee, C -H  
Recursive region splitting at hierarchical scope views  
NAVELEX Program Review, Naval Res. Lab., Washington,  
D.C., Dec. 6, 1984.
- Lee, C -H  
Surface representation of aerial photographs  
DMA Technol. Interchange Conf. DMA Hdqtrs.,  
Washington, D.C., Dec. 11-13, 1984.
- Lee, C -H  
AATD segmentation test procedure  
Automatic Target Recognition Working Group, Newport  
Beach, Calif., Feb. 7, 1985.
- Lee, H -M; Geller, D; Haklay, B; Setiawan, A; Chung, G B  
Back scattering cross section along the axis of a  
tubular cylinder of finite length  
1985 Int. Symp. on Antennas and Propagation, Kyoto,  
Japan, Aug. 19-22, 1985.
- Michael, S N; Gariano, P  
Applications of precision, high-slew rate OP AMPS in  
active networks  
28th Midwest Symp. on Circuits and Systems,  
Louisville, Ky., Aug., 1985.
- Michael, S N; Gariano, P  
Micro and macromodeling of integrated operational  
amplifiers and their use in developing and evaluating  
new composite OPAMPS  
28th Midwest Symp. on Circuits and Systems,  
Louisville, Ky., Aug., 1985.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

- Michael, S N; Gariano, P  
Optimization of high-speed, high-accuracy integrated  
operational AMP  
28th Midwest Symp. on Circuits and Systems,  
Louisville, Ky., Aug., 1985.
- Michael, S N; Mikhael, W  
High frequency filtering and inductance simulation using  
new composite generalized immittance converters  
IEEE Symp. on Circuits and Systems, Kyoto, Japan,  
June, 1985.
- Netzer, D W; Powers, J P  
Combustion/particle sizing experiments at the Naval  
Postgraduate School Combustion Research Laboratory  
Workshop on Automated Reduction of Data from Images  
and Holograms, NASA Ames, Mountain View, Calif., Jan.  
10-11, 1985.
- Netzer, D W; Powers, J P  
Experimental techniques for obtaining particulate  
behavior in solid propellant combustion  
AGARD Specialists' Mtg. on Smokeless Propellants,  
Florence, Italy, Sept. 12-13, 1985.
- Netzer, D W; Powers, J P  
Particle sizing in rocket motor studies utilizing  
hologram image processing  
NASA Workshop on Automated Reduction of Data from  
Images on Holograms, Moffett Field, Calif., Jan.  
10-11, 1985
- Netzer, D W; Powers, J P; Glenn, J G; Graham, K J;  
Harris, R K; Lee, Y  
Solid propellant combustion diagnostics and automated  
data retrieval from holograms  
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,  
1984.
- Powers, J P; Shavit, Z; Biblarz, O; Miller, J A  
Variable focal length radiometer for particle sizing  
ICIASE '85 (11th Int. Cong. on Instrumentation in  
Aerospace Simulation Facilities), Stanford Univ.,  
Aug. 26-28, 1985.
- Therrien, C W  
Linear prediction for 2-D vector random fields  
19th Ann. Asilomar Conf. on Circuits, Systems, and  
Computers, Pacific Grove, Calif., Nov. 6-8, 1985.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

- Therrien, C W  
Multichannel filtering methods for color image  
segmentation  
IEEE Computer Soc. Conf. on Computer Vision and  
Pattern Recognition, San Francisco, Calif., July  
19-23, 1985.
- Therrien, C W  
Multichannel image analysis  
4th ASSP Workshop on Multidimensional Signal  
Processing, Leesburg, Va., Oct. 28-30, 1985.
- Therrien, C W; Schon, M A; Hahn, S C  
A multiprocessor system for simulation of multisensor  
distributed decision algorithms  
19th Ann. Asilomar Conf. on Circuits, Systems, and  
Computers, Pacific Grove, Calif., Nov. 6-8, 1985
- Titus, H A; Jarrell, J  
Use of Kalman filtering to track hurricanes  
16th Conf. on Hurricanes and Tropical Meteorology,  
Houston, Tex., May 14-17, 1985.
- Ziomek, L J; Vos, J  
Linear time-invariant space-variant filters and the WKB  
approximation  
IEEE Int. Conf. on Acoustics, Speech, and Signal  
Processing, Tampa, Fla., Mar. 26-29, 1985.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONTRIBUTIONS TO BOOKS

- Knorr, J B  
Problems for radar systems: A manual  
J.B. Knorr, 1985. 23 p. (For use with Introduction  
to radar systems, by M. I. Skolnik.)
- Morgan, M A; Mei, K K; Chang, S K  
Finite methods in electromagnetics  
IN P. L. E. Uslenghi, ed.: Electromagnetic  
scattering, USSR, Mir Pubs., 1983?
- Powers, J P; Economopoulos, M; Moon, E; Vasquez, H  
Preliminary results of computer-aided acoustic imaging  
IN J. P. Powers, ed.: Acoustical imaging, vol.  
11, New York, N. Y., Plenum Press, 1982, p.  
277-287.
- Powers, J P; ed.  
Acoustical imaging (Vol. 11)  
New York, N. Y., Plenum Press, 1982.
- Strum, R D; Ward, J R  
Electric circuits and networks (2nd ed.)  
Englewood Cliffs, N. J. Prentice-Hall, Inc., 1985.  
535 p.
- Ziomek, L J  
Underwater acoustics: A linear systems theory approach  
Orlando, Fla., Academic Press, 1985. 290 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.  
PUBLISHED PAPERS

- Abbott, L W  
Test experience on an ultra-reliable computer  
communication network  
IEEE/IAAA 6th Digital Avionics Systems Conf., Dec.  
3-6, 1984.  
IN Proc., (1984).
- Abbott, L W  
A synergistic fault tolerant computer design for an  
N-version programming environment  
19th Asilomar Conf. on Circuits, Systems, and  
Computers, Pacific Grove, Calif., Nov. 6-8, 1985.  
IN Proc., 6 p., (1985).
- Abbott, L W; Varma, A; Hariri, S; Smyth, R  
System design of a nodal communication's processor  
IEEE Microprocessor Forum, Atlantic City, N. J., Apr.  
2-4, 1985.  
IN Proc., 7 p., (1985).
- Guyomar, D; Powers, J P  
Transient fields radiated by curved surfaces-application  
to focusing  
J. of the Acoust. Soc. of Am., vol. 76, no. 5, p.  
1564-1572, (Nov., 1984).
- Guyomar, D; Powers, J P  
Transient radiation from focused transducers  
IEEE Ultrasonics Symp., Dallas, Tex., Nov. 14-16,  
1984.  
IN Proc., 1984 IEEE Ultrasonics Symp., p. 979-982,  
(1984).
- Guyomar, D; Powers, J P  
Propagation of transient acoustic waves in lossy and  
lossless media  
14th Symp. on Acoustical Imaging, The Hague,  
Netherlands, Apr. 22-25, 1985.  
IN Acoustical imaging, vol. 14, New York, N. Y.  
Plenum Press, 1985, p. 521-531.
- Guyomar, D; Powers, J P  
Transient fields from focused acoustic waves  
14th Symp. on Acoustical Imaging, The Hague,  
Netherlands, Apr. 22-25, 1985.  
IN Acoustical imaging, vol. 14, New York, N. Y.,  
Plenum Press, 1985, p. 629-633.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Harri, R K; Lee, Y S; Hickey, P J; Graham, K J;  
Powers, J P; Netzer, D W  
Experimental techniques for obtaining particulate  
behavior in metallized solid propellant combustion  
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,  
1984.  
IN Proc., C.P.I.A., p. 1-14, (1985).
- Jauregui, S  
Radio frequency distribution: Problem areas  
Signal to Noise Enhancement Program, Naval  
Postgraduate School, Monterey, Calif., Nov. 6-7,  
1984.  
IN Proc., NAVELEX, 120 p., (Mar., 1985).
- Kirk, D E; Verly, J G  
A distributed implementation of fast Fourier transforms  
18th Asilomar Conf. on Circuits, Systems and  
Computers, Pacific Grove, Calif., Nov., 1984.  
IN Proc., IEEE Computer Soc., p. 72-78, (1985).
- Knorr, J B  
A model for estimating radiowave acquisition receiving  
system intercept probability  
IEEE Trans. Aerospace and Electronic Systems, vol.  
18, no. 6, p. 400-405, (Nov., 1982).
- Knorr, J B  
Guide EM waves with atmospheric ducts  
Microwaves and RF, 4 p., (May, 1985).
- Knorr, J B; Deal, J C  
Scattering coefficients of an inductive strip in a  
finline: Theory and experiment  
IEEE Trans. on Microwave Theory and Techniques, vol.  
33, no. 10, p. 1011-1017, (Oct., 1985).
- Knorr, J B; Karantanas, D T  
Simulation optimizes noise jammer design  
Microwave J., 5 p., (May, 1985).
- Lee, C -H  
Surface representation of aerial photographs  
DMA Technol. Interchange Conf., DMA Hdqtrs.,  
Washington, D.C., Dec. 11-13, 1984.  
IN Proc., DMA, 14 p., (1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS (cont'd)

- Lee, H -M; Geller, D; Haklay, B; Setiawan, A; Chung, G B  
Back scattering cross section along the axis of a  
tubular cylinder of finite length  
1985 Int. Symp. on Antennas and Propagation, Kyoto,  
Japan, Aug. 19-22, 1985.  
IN Proc., ISAP'85, vol. 3, p. 815-818, (1985).
- Lee, H -M; Lee, S -C  
Spherically symmetric Kaluza-Klein monopoles  
Phys. Letters, vol. 149B, p. 95-97, (Dec., 1984).
- Lev-Ari, H; Parker, S R  
Lattice modeling of 2-D fields  
IN Proc. IEEE Conf. on Acoustics, Speech and  
Signal Processing (ASSP), 3 p., (Mar., 1985).
- Madan, B B; Parker, S R  
Adaptive beam forming in a correlated noise environment  
IN Proc. IEEE Conf. on Acoustics, Speech and  
Signal Processing (ASSP), 5 p., (Mar., 1985).
- Madan, B B; Parker, S R; Zubair, M  
Systolic array structures for least square problems  
IN Proc. IASTED Symp. on Signal Processing, 5  
p., (June, 1985).
- Michael, S N; Gariano, P  
Applications of precision, high-slew rate OP AMPS in  
active networks  
28th Midwest Symp. on Circuits and Systems,  
Louisville, Ky., Aug. 1985.  
IN Proc., (Aug., 1985).
- Michael, S N; Gariano, P  
Micro and macromodeling of integrated operational  
amplifiers and their use in developing and evaluating  
new composite OPAMPS  
28th Midwest Symp. on Circuits and Systems,  
Louisville, Ky., Aug. 1985.  
IN Proc., (Aug., 1985).
- Michael, S N; Gariano, P  
Optimization of high-speed, high-accuracy integrated  
operational AMP  
28th Midwest Symp. on Circuits and Systems,  
Louisville, Ky., Aug., 1985.  
IN Proc., (1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Michael, S N; Mikhael, W  
High frequency filtering and inductance simulation using  
new composite generalized immittance converters  
IEEE Symp. on Circuits and Systems, Kyoto, Japan,  
June, 1985.  
IN Proc., (1985).
- Netzer, D W; Powers, J P  
Combustion/particle sizing experiments at the Naval  
Postgraduate School Combustion Research Laboratory  
Workshop on Automated Reduction of Data from Images  
and Holograms, NASA Ames, Mountain View, Calif., Jan.  
10-11, 1985.  
IN Proc., NASA, (1985).
- Netzer, D W; Powers, J P  
Experimental techniques for obtaining particle behavior  
in solid propellant combustion  
AGARD Specialist Mtg. on Smokeless Propellants,  
Florence, Italy, Sept. 12-13, 1985.  
IN Proc., NASA, (1985).
- Netzer, D W; Powers, J P  
Particle sizing in rocket motor studies utilizing  
hologram image processing  
NASA Workshop on Automated Reduction of Data from  
Images on Holograms, Moffett Field, Calif., Jan.  
10-11, 1985  
IN Proc., NASA, (1985).
- Parker, S R  
Discrete time lattice parameter modeling  
IN Proc., IEEE Int. Symp. on CAS, 8 p., (June,  
1985).
- Parker, S R; et al.  
Asymmetric half plane modeling of 2-D fields with  
lattice structures  
IN Proc., IEEE Int. Symp. on CAS, 5 p., (June,  
1985).
- Parker, S R; et al.  
Tensor formulation for the modeling of discrete  
nonlinear systems  
IN Proc., IEEE Int. Symp. on CAS, 5 p., (June,  
1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Powers, J P; Shavit, Z; Biblarz, O; Miller, J A  
Variable focal length radiometer for particle sizing  
ICIASF '85 (11th Int. Cong. on Instrumentation in  
Aerospace Simulation Facilities), Stanford Univ.,  
Aug. 26-28, 1985.  
IN Proc., p. 115-122, (1985).
- Sackman, G L; Vermander, G R  
Acoustic imaging in marine sediment: A multiple  
microprocessor array processor using the trace function  
11th Ann. Symp. on Acoustical Imaging, Naval  
Postgraduate School, Monterey, Calif., May 4-7, 1981.  
IN Proc., (J. P. Powers, ed.: Acoustical  
imaging, vol. 11), New York, N. Y., Plenum  
Press, (1982).
- Therrien, C W  
Linear prediction for 2-D vector random fields  
19th Ann. Asilomar Conf. on Circuits, Systems, and  
Computers, Pacific Grove, Calif., Nov. 6-8, 1985.  
IN Proc., (1985).
- Therrien, C W  
Multichannel filtering methods for color image  
segmentation  
IEEE Computer Soc. Conf. on Computer Vision and  
Pattern Recognition, San Francisco, Calif., July  
19-23, 1985.  
IN Proc., p. 637-639, (1985).
- Therrien, C W; Schon, M A; Hahn, S C  
A multiprocessor system for simulation of multisensor  
distributed decision algorithms  
19th Ann. Asilomar Conf. on Circuits, Systems, and  
Computers, Pacific Grove, Calif., Nov. 6-8, 1985.  
IN Proc., (1985).
- Ziomek, L J  
Linear time-invariant space-variant filters and the  
parabolic equation approximation  
Signal Processing, vol. 8, no. 4, p. 423-439, (July,  
1985).
- Ziomek, L J; Vos, J  
Linear time-invariant space-variant filters and the WKB  
approximation  
IEEE Int. Conf. on Acoustics, Speech, and Signal  
Processing, Tampa, Fla., Mar. 26-29, 1985.  
IN Proc., vol. 1, p. 184-187, (1985).



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.  
TECHNICAL REPORTS AND NOTES

- Abbott, L W  
Test experience on an ultra-reliable computer  
communication network  
N. A. S. A. , (NASA-TM-85915), Dec. , 1984. 6 p.
- Chang, J F  
The queueing model of a packet switch subject to routing  
in computer networks  
Prepared for Chief of Naval Res. , Arlington, Va.  
Naval Postgraduate School, (NPS-62-85-027), Sept. ,  
1985.
- Guyomar, D; Powers, J P  
Boundary effects on transient radiation fields from  
vibrating surfaces  
J. of the Acoust. Soc. of Am. , vol. 77, no. 3, p.  
907-915, (Mar. , 1985).
- Moose, P H  
A dynamic model for modern military conflict  
Prepared for Chief of Naval Res. , Arlington, Va.  
Naval Postgraduate School, (NPS-62-82-047), Oct. ,  
1982. 53 p.
- Moose, P H  
Evolution equations of C3I: Canonical forms and their  
properties: Research for the period 1 Jan. 1983 - 1  
Aug. 1983  
Prepared for Chief of Naval Res. , Arlington, Va.  
Naval Postgraduate School, (NPS-62-83-059), Oct. ,  
1983. 40 p.
- Ziomek, L J  
Linear time-variant space-variant filters and the WKB  
approximation: Interim report for the period Oct. , 1982  
- Oct. , 1983  
Prepared for Chief of Naval Res. , Arlington, Va.  
Naval Postgraduate School, (NPS-62-83-058), Oct. ,  
1983. 93 p.

DEPARTMENT  
OF  
MATHEMATICS

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MATHEMATICS  
CONFERENCE PRESENTATIONS

- Franke, R H  
The finite element method and interpolation of scattered data  
Am. Math. Soc. Winter Mtg. (Special Session),  
Cincinnati, Ohio, Jan. 13-17, 1982.
- Franke, R H  
Data sets  
Int. Symp. on Surface Approximation, Gargnano, Italy,  
June 11-18, 1983.
- Franke, R H  
Global basis function methods for scattered data  
Int. Symp. on Surface Approximation, Gargnano, Italy,  
June 11-18, 1983.
- Franke, R H  
Interpolation by minimum norm networks of curves  
Int. Symp. on Surface Approximation, Gargnano, Italy,  
June 11-18, 1983.
- Franke, R H  
Introduction to interpolation of scattered data  
Int. Symp. on Surface Approximation, Gargnano, Italy,  
June 11-18, 1983.
- Franke, R H  
Moving averages and related methods  
Int. Symp. on Surface Approximation, Gargnano, Italy,  
June 11-18, 1983.
- Franke, R H  
Scattered data interpolation  
SIAM Conf. on Mathematical and Computational Methods  
in Computer Aided Design, Rensselaer Polytechnic  
Inst., July 18-22, 1983.
- Franke, R H  
Summary on scattered data interpolation  
Int. Symp. on Surface Approximation, Gargnano, Italy,  
June 11-18, 1983.
- Jayachandran, T; Larson, H J  
The CEMS IV statistical diagnostics algorithm  
JOAP Int. Symp., Pensacola, Fla., May 17-18, 1983.
- Kovach, L D  
Eigenvalues with minimal effort  
Univ. Math. Educ. Delegation to the PRC, Beijing,  
Peoples Republic of China, June 3, 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MATHEMATICS

CONFERENCE PRESENTATIONS (cont'd)

- Larson, H J; Jayachandran, T  
Some analytic ferrography analysis  
Joint Oil Analysis Program Coordinating Group,  
Lexington, Ky., Oct., 1982.
- Larson, H J; Jayachandran, T  
CEMS IV algorithm  
AF Command HQ OAP Conf., Bossier City, La., Mar.,  
1983.
- Larson, H J; Jayachandran, T  
CEMS IV statistical diagnostics algorithm  
Int. Oil Analysis Workshop, Pensacola, Fla., May,  
1983.
- Mason, J T; Mills, G B; Garrett, S L; Wayman, J L  
Comparison of impedance measurement techniques  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.
- Mendez, R  
Numerical solution of the interior Neumann problem via  
vortex dipoles  
SIAM Conf. on Appl. Linear Algebra, Raleigh, N. C.,  
Apr., 1982.
- Neta, B; Hinsman, D E; Williams, R T  
Studies in a shallow water fluid model with topography  
11th IMAC World Cong., Oslo, Norway, Aug. 5-9, 1985.
- Nielson, G; Franke, R H  
Triangular patch techniques for scattered data  
interpolation  
SIAM 30th Ann. Mtg., (Mini-symposium on Surfaces),  
Stanford Univ., July 19-23, 1982.
- Nielson, G M; Franke, R H  
Some practical aspects regarding Kriging and related  
methods for interpolation of scattered data  
AMS Mtg., Salt Lake City, Utah, Apr. 29-30, 1983.
- Owen, G  
Values of graph-restricted games  
Math. Games Theory Conf., Oberwolfach Math. Inst., F.  
R. G., Mar. 18-24, 1984.
- Owen, G  
Application of game theory to social networks  
Math. Assoc. of America, No. Calif. Chapter, Ann.  
Mtg., San Francisco State Univ., Feb. 24, 1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MATHEMATICS

CONFERENCE PRESENTATIONS (cont'd)

- Owen, G  
Fair indirect majority rules  
Econometric Soc. 5th Ann. Latin American Mtg.,  
Bogota, Colombia, July 23-27, 1984.
- Owen, G  
Fair indirect majority rules  
Public Choice Soc. Ann. Mtg., Phoenix, Ariz, Mar.  
28-30, 1984.
- Owen, G  
Values of graph-restricted games  
Math. Games Theory Conf., Oberwolfach Math. Inst., F.  
R. G., Mar. 18-24, 1984.
- Wayman, J L  
Determination of frequency dependent  
early-to-reverberant sound ratios in enclosures  
103rd Mtg. of Acoustical Soc. of Am., Chicago, Ill.,  
Apr. 26-30, 1982.
- Weir, M D  
Mathematical modeling: A nuclear arms race  
California Mathematics Council, College Division  
Conf., Holiday Inn, Monterey, Calif., Dec., 1984.
- Wu, C T  
Concurrency in linear and interpolation hashing  
19th Ann. Conf. on Information Sciences and Systems,  
Baltimore, Md., Mar., 1985.
- Wu, C T  
Data organization method for the parallel execution of  
relational operation  
Int. Conf. on Foundations of Data Organization,  
Kyoto, Japan, May, 1985.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MATHEMATICS

CONTRIBUTIONS TO BOOKS

- Finney, R L; Hoffman, D T; Schwartz, J L; Wilde, C O  
Calculus toolkit (Apple)  
Reading, Pa., Addison-Wesley, 1984.
- Finney, R L; Hoffman, D T; Schwartz, J L; Wilde, C O  
Calculus student's toolkit (Apple)  
Reading, Pa., Addison, Wesley, 1985.
- Finney, R L; Hoffman, D T; Schwartz, J L; Wilde, C O  
Calculus student's toolkit (IBM-PC)  
Reading, Pa., 1985. Addison-Wesley, 1985.
- Finney, R L; Hoffman, D T; Schwartz, J L; Wilde, C O  
Calculus toolkit (IBM-PC)  
Reading, Pa., 1985. Addison-Wesley, 1985.
- Grofman, B; Owen, G; eds.  
Aggregation of opinions and group decisions  
Reidel Publ., 1984. 250 p.
- Grofman, B; Owen, G; Feld, S L  
Evaluating the competence of experts  
IN R. Geyer and J. V. D. Zouwen, eds.:  
Dependence and inequality, Pergamon Press,  
1983, p. 221-238.
- Kovach, L D  
Advanced engineering mathematics  
Reading, Mass., Addison-Wesley, 1982. 700 p.
- Owen, G  
Game theory (2nd ed.)  
New York, N. Y. Academic Press, 1982.
- Owen, G  
Fair indirect majority rules  
IN B. Grofman and G. Owen, eds.: Aggregation of  
opinions and group decisions, Reidel Publ.,  
1984.
- Owen, G; Grofman, B  
Coalitions and power in political situations  
IN M. Holler, ed.: Coalitions and collective  
action, Wuerzburg, F. R. G., Physika-Verlag,  
1984, p. 137-144.
- Schoenstadt, A L; Birkhoff, G B; eds.  
Elliptic problem solvers II New York, N. Y., Academic  
Press, 1984. 572 p.  
New York, N. Y., Academic Press, 1984. 572 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MATHEMATICS

CONTRIBUTIONS TO BOOKS

(cont'd)

- Weir, M D  
Calculus by calculator  
Englewood Cliffs, N. J., Prentice-Hall, Inc., 1982.  
387 p.
- Weir, M D  
Self-study manual for calculus and analytic geometry  
(2nd ed.)  
Reading, Mass., Addison-Wesley Publ. Co., 1984. 393  
p.
- Weir, M D; Giordano, F R  
A first course in mathematical modeling  
Monterey, Calif., Brooks-Cole Publ. Co., 1984. 382  
p.
- Weir, M D; Giordano, F R  
Instructor's manual for a first course in mathematical  
modeling  
Brooks/Cole Pub. Co., Monterey, Calif., 1985. 186 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MATHEMATICS  
PUBLISHED PAPERS

- Alexander, G; Wilde, C O  
A conversation with Garrett Birkhoff  
Two Year College Math. J., (Apr., 1983).
- Franke, R H  
Scattered data interpolation: Tests of some methods  
Math. of Computation, vol. 38, p. 181-200, (1982).
- Franke, R H  
Smooth interpolation of scattered data by local thin  
plate splines  
Computers and Math. with Applications, vol. 8, p.  
273-281, (1982).
- Franke, R H; Jayachandran, T  
An empirical investigation of the properties of a new  
goodness-of-fit test  
J. Stat. Computation and Simulation, vol. 16, p.  
175-187, (1983).
- Franke, R H; Nielson, G  
Surface approximation with imposed conditions  
Surfaces in Computer Aided Geometric Design,  
Oberwolfach, West Germany, Apr. 26-30, 1982.  
IN Proc., Amsterdam, North Holland Publ. Co.,  
(1982).
- Fredricksen, H M  
A survey of full length nonlinear shift register cycle  
algorithms  
SIAM Rev., vol. 24, no. 2, p. 195-221, (Apr., 1982).
- Fredricksen, H M; Wisniewski, R A  
On trinomials  $x(n) + x(2) + 1$  and  $x(8L + or -3) + x(k) +$   
1 irreducible over  $GF(2)$   
Information and Control, vol. 50, no. 1, p. 58-63,  
(July, 1982).
- Grofman, B; Owen, G; Feld, S L  
Thirteen theorems in search of the truth  
Theory and Decision, vol. 15, p. 261-278, (Dec.,  
1983).
- Grofman, B; Owen, G; Feld, S L  
Group size and the performance of a composite group  
majority: Statistical truths and empirical results  
Organizational Behavior and Human Performance, vol.  
33, p. 350-359, (1984).



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MATHEMATICS

PUBLISHED PAPERS

(cont'd)

- Hartman, J K; Parry, S H; Schoenstadt, A L  
Airland research model  
IN Proc. , 52nd MORS, (1984).
- Jayachandran, T  
A note on a prediction interval for a first-order Gauss  
Markov process  
Nav. Res. Logistics Q. , vol. 30, p. 505-508, (1983).
- Jayachandran, T  
On prediction intervals for normal samples  
Nav. Res. Logistics Q. , vol. 30, p. 461-463, (1983).
- Larson, H J; Jayachandran, T  
CEMS IV statistical diagnostics algorithm  
Int. Oil Analysis Workshop, Pensacola, Fla., May,  
1983.  
IN Proc. , JOAP Tech. Support Ctr. , (1983).
- Mason, J T; Mills, G B; Garrett, S L; Wayman, J L  
Comparison of impedance measurement techniques  
106th Mtg. , Acoust. Soc. Am. , San Diego, Calif. , Nov.  
8-11, 1983.  
IN J. Acoust. Soc. Am. , vol. 74, S63, (1983).
- Mendez, R  
Numerical study of incompressible flow about immersed  
elastic boundaries  
SIAM J. of Statistics and Scientific Computing,  
(Mar. , 1983).
- Neta, B; Hinsman, D E; Williams, R T  
Studies in a shallow water fluid model with topography  
11th IMAC World Cong. , Oslo, Norway, Aug. 5-9, 1985.  
IN Proc. , IMAC, p. 209-213, (1985).
- Nielson, G; Franke, R H  
Surface construction based upon triangulations  
Surfaces in Computer Aided Geometric Design,  
Oberwolfach, West Germany, Apr. 26-30, 1982.  
IN Proc. , Amsterdam, North Holland Publ. Co. ,  
(1982).
- Nielson, G M; Franke, R  
A method for construction of surfaces under tension  
Rocky Mountain J. of Math. , vol. 14, no. 1, p.  
203-221, (1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MATHEMATICS

PUBLISHED PAPERS

(cont'd)

- Owen, G; Grofman, B  
To vote or not to vote: The paradox of nonvoting  
Public Choice, vol. 42, p. 311-325, (1984).
- Weir, M D; Cameron, D; Giordano, F R  
Modeling using the derivative: Numerical and analytic  
solutions  
IN UMAP (Undergraduate Math. Applications  
Project), Instructional module (Unit 625),  
Aug., 1982. p. 1-24.
- Weir, M D; Giordano, F R; Jaye, M  
The use of dimensional analysis in mathematical modeling  
IN UMAP (Undergraduate Math. Applications  
Project), Instructional module (Unit 6xx),  
Sept., 1982, p. 1-22.
- Wu, C T  
Data organization method for the parallel execution of  
relational operation  
Int. Conf. on Foundations of Data Organization,  
Kyoto, Japan, May, 1985.  
IN Proc., (May, 1985).
- Wu, C. T.  
Concurrency in linear and interpolation hashing  
19th Ann. Conf. on Information Sciences and Systems,  
Baltimore, Md., Mar., 1985.  
IN Proc., John Hopkins Univ., (Mar., 1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES

- Boger, D C; Jayachandran, T  
Evaluating alternative long range forecasts of inflation  
Prepared for Office of the Assistant Secretary of  
Defense (Comptroller), Washington, D.C. Naval  
Postgraduate School, (NPS-54-84-0021), July, 1984
- Franke, R H  
Sources of error in objective analysis  
Prepared for Naval Environmental Prediction Res.  
Facility, Monterey, Calif. Naval Postgraduate  
School, (NPS-53-84-0003), May, 1984. 50 p.
- Franke, R H; Gordon, W J  
The structure of optimum interpolation functions  
Prepared for Naval Environmental Res. Facility,  
Monterey, Calif. Naval Postgraduate School,  
(NPS-53-83-005), Feb., 1983. 23 p.
- Franke, R H; Jayachandran, T  
Tables for a new multivariate goodness-of-fit test  
Naval Postgraduate School, (NPS-53-83-006), Feb.,  
1983.
- Fredricksen, H M  
A generalization of Mykkeltveit's solution to Golomb's  
problem  
Inst. for Defense Analyses - Communications Res.  
Div./SCAMP, (Tech. rep.), Sept. 2, 1983. 8 p.
- Fredricksen, H M  
A new look at the deBruijn graph  
Naval Postgraduate School, (NPS-53-83-007), Feb.,  
1983. 11 p.
- Fredricksen, H M; Hales, A W; Sweet, M M  
A generalization of Swan's theorem  
Inst. for Defense Analyses - Communications Res.  
Div./SCAMP, (Tech. rep.), Sept. 2, 1983. 36 p.
- Giordano, F R  
A heuristic for constructing surrogate constraints for  
the linear zero-one integer programming  
Naval Postgraduate School, (NPS-55-82-009), Feb.,  
1982. 21 p.
- Giordano, F R  
The strength of surrogate constraints for the linear  
zero-one integer programming problem  
Naval Postgraduate School, (NPS-55-82-008), Feb.,  
1982. 21 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Goldstein, A; Russak, I B  
High accuracy determination of submarine hull mounted  
transducers  
Prepared for Naval Undersea Warfare Eng. Station.  
Naval Postgraduate School, (NPS-53RU-84-0008), Sept.,  
1984 9 p.
- Gonen, A  
Evaluating  $A$  (superscript  $T$ )  $*D*A$  for sparse matrices:  
Analysis  
Sponsored by Chief of Naval Res. Arlington, Va.  
Naval Postgraduate School, (NPS-53-84-0006), June,  
1984. 23 p.
- Jayachandran, T  
An evaluation of the performance of a new storm tracking  
methodology  
Prepared for Naval Environmental Prediction Res.  
Facility, Monterey, Calif., Naval Postgraduate  
School, (NPS-53-84-0007),
- Jayachandran, T; Franke, R H  
Properties of a multivariate goodness-of-fit test  
Naval Postgraduate School, (NPS-53-82-001), Oct.,  
1982. 22 p.
- Jayachandran, T; Franke, R H  
Properties of a new multivariate goodness-of-fit test  
Naval Postgraduate School, (NPS-53-83-001), 1983.
- Jayachandran, T; Larson, H J  
Statistical methods for the Joint Oil Analysis Program  
Prepared for Kelly Air Force Base, San Antonio, Tex.  
Naval Postgraduate School, (NPS-55-82-002), Jan.,  
1982. 64 p.
- Jayachandran, T; Larson, H J  
CEMS IV OAP algorithm  
Prepared for Kelly AFB, Tex. Naval Postgraduate  
School, (NPS-55-83-013), May, 1983.
- Jayachandran, T; Larson, H J  
Statistical analysis for the Nondestructive Inspection  
(NDI) Technician Proficiency Measurement Program  
Prepared for Kelly AFB, Tex. Naval Postgraduate  
School, (NPS-53-83-008), June, 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Owen, G  
Pari-mutuel as a system of aggregation of information  
Sponsored by NPS Foundation Res. Program. Naval  
Postgraduate School, (Tech. rep.), Sept., 1984. 23  
p.
- Owen, G; Landa, J; Grofman, B  
Equilibrium prices and expected profit shares among a  
small spatially arrayed ring of traders  
Univ. of Calif. - Irvine, (Tech. rep.), June 6, 1984.  
11 p.
- Wayman, J L  
New methods of measuring normal acoustic impedance  
Sponsored by NPS Foundation Res. Program. Naval  
Postgraduate School, (NPS-53-84-0005), Jan. 1, 1984.  
15 p.
- Wayman, J L  
A variance detector for signal-gap discrimination in  
noisy speech channel  
Naval Postgraduate School, (NPS-53-85-0007), May,  
1985. 18 p.

DEPARTMENT  
OF  
MECHANICAL ENGINEERING

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING  
CONFERENCE PRESENTATIONS

- Challenger, K D; Brucker, R B; Elger, W M; Sorek, M J  
Microstructure-thermal history correlations for HY-130  
steel weldments  
Am. Welding Soc. Ann. Technical Mtg., Philadelphia,  
Pa., Apr., 1983.
- Challenger, K D; Mason, B J  
Comparison of hydrogen cracking susceptibility of cast  
and rolled HY-130 steel  
Am. Welding Soc. Ann. Technical Mtg., Philadelphia,  
Pa., Apr., 1983.
- Challenger, K D; Mullican, J; Sanford, G  
The effect of prestrain of fracture resistance: A  
predictive model  
Fracture Prevention in Energy and Transport Systems,  
Rio de Janeiro, Brazil, Nov., 1983.
- Culbreth, W G  
Computer-aided data acquisition and instruction for  
Naval engineers  
ASEE-PSW Computer Aided Processing in Instruction and  
Research, Phoenix, Ariz., Oct. 29-30, 1984.
- Daube, F G; Shin, Y S  
Postprocessing of UNDEX responses of submerged  
cylindrical shell using PATRAN-G  
2nd PATRAN Users Conf., Newport Beach, Calif., May  
21-22, 1984.
- Kelleher, M D; Balasubramanian, N R  
On the use of linearized boundary conditions in the  
computation of flow over wavy walls  
Energy Source Technology Conf., New Orleans, Feb.  
12-16, 1984.
- Lee, E W; McNelley, T R  
Effects of thermomechanical processing of high-Mg,  
Al-Mg-X alloys on superplastic behavior  
Ann. Fall Mtg. of the Metallurgical Soc. of AIME,  
Detroit, Mich., Sept. 16-20, 1984.
- Ligrani, P M; Bradshaw, P  
Subminiature hot-wire sensors and resolution of  
small-scale turbulence  
5th Symp. on Turbulent Shear Flows, Cornell Univ.,  
N.Y., Aug. 7-9, 1985.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING  
CONFERENCE PRESENTATIONS (cont'd)

- Marto, P J  
Rotating heat pipes  
14th Int. Centre for Heat and Mass Transfer Symp.,  
Dubrovnik, Yugoslavia, Sept., 1982.
- Marto, P J  
Heat transfer and two phase flow during shell-side  
condensation  
ASME-JSME Thermal Eng. Joint Conf., Honolulu, Hawaii,  
Mar., 1983.
- Marto, P J  
Improving the thermal performance of large condenser  
tube bundles  
EPRI Symp. on State-of-the-art Condenser Technology,  
Orlando, Fla., June, 1983.
- Marto, P J; Nunn, R H  
The potential of heat transfer enhancement in surface  
condensers  
Int. Conf. on Surface Condensers: Theory and  
practice; Inst. of Sci. and Technol., Univ. of  
Manchester - England, Mar. 22-23, 1983.
- McNelly, T R  
Development of microstructure and mechanical properties  
in thermomechanical processing of high-Mg, Al-Mg alloys  
Naval Air Syst. Command, Washington, D.C., Sept.  
11-12, 1984.
- McNelly, T R  
Observation of microporosity in a heqt of M-50 steel  
Advances in Bearing Technol. Sem., Naval Postgraduate  
School, Monterey, Calif., Aug. 21-22, 1985.
- McNelly, T R  
Superplasticity in thermomechanically processed high-Mg,  
Al-Mg alloys  
Symp. on Mech. Behavior of Aluminum Alloys, Stanford  
Univ. - Calif., Apr. 16, 1985.
- McNelly, T R; Garg, A  
Development of microstructure and mechanical properties  
in thermomechanical processing of high Mg, Al-Mg alloys  
WESTEC-84, Am. Soc. for Metals and Soc. for Mfg.  
Engrs., Los Angeles, Calif., Mar. 19-22, 1984.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONFERENCE PRESENTATIONS (cont'd)

- McNelley, T R; Lee, E W  
Development of high strength in high-Mg, Al-Mg-X alloys  
by thermomechanical processing  
Ann. Fall Mtg. of the Metallurgical Soc. of AIME,  
Detroit, Mich., Sept. 16-20, 1984.
- McNelley, T R; Lee, E W  
Effect of TMP variables on superelasticity in  
Al-10Mg-0.5Mn  
114th TMS-AIME Ann. Mtg., New York, N.Y., Feb. 24-28,  
1985.
- McNelley, T R; Lee, E W  
Superplastic high-Mg, Al-Mg alloys by thermomechanical  
processing  
Naval Postgraduate School, Monterey, Calif., May 22,  
1985.
- Nunn, R H; Linsell, D  
Liquid crystal thermography study of jet-crossflow  
surface interactions  
AIAA/AHS/ASEE Aircraft Design Systems and Operations  
Mtg., San Diego, Calif., Oct. 31 - Nov. 2, 1984.
- Perkins, A J  
Effects of austenite microstructure on martensitic  
transformations in Cu-Zn-Al shape memory alloys  
Int. Conf. on Martensitic Transformation, Leuven,  
Belgium, Aug., 1982.
- Perkins, A J  
Transformation cycling effects in martensitic Cu-Zn-Al  
alloys  
AIME Ann. Mtg., St. Louis, Mo., Oct., 1982.
- Perkins, A J  
Transformation cycling effects in martensitic Cu-Zn-Al  
shape memory alloys  
1982 Metallurgical Soc. Fall Mtg., St. Louis, Mo.,  
Oct., 1982.
- Perkins, A J  
Martensitic transformation cycling and the phenomenon of  
two-way shape memory training  
Int. Conf. on Phase Transformations in Solids,  
Chania, Crete, Greece, June, 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING  
CONFERENCE PRESENTATIONS (cont'd)

- Sarpkaya, T  
Motion of trailing vortices in stratified fluid  
Nat. Congr. of Theoretical and Appl. Mechanics,  
Ithaca, N. Y., June, 1982.
- Sarpkaya, T  
The rise and demise of trailing vortices in a  
homogeneous and density stratified media  
Int. Conf. on Advanced Topics in Aeron. and  
Astronautics, Stanford Univ., Stanford, Calif., Aug.,  
1983.
- Sarpkaya, T  
Effect of orbital motion on resistance in harmonic flow  
16th Int. Cong. of Theoretical and Applied Mechanics,  
Copenhagen, Denmark, Aug. 19-25, 1984.
- Sarpkaya, T  
Resistance in combined wave and current flow  
16th Int. Cong. of Theoretical and Applied Mechanics,  
Copenhagen, Denmark, Aug. 19-25, 1984.
- Sarpkaya, T; Cakal, I  
A comprehensive sensitivity analysis of the OTS data  
Offshore Technol. Conf., Houston, Tex., May 2-5,  
1983.
- Sarpkaya, T; Johnson, S K  
Evolution of aircraft trailing vortices in a stratified  
fluid  
21st AIAA Aerospace Sci. Mtg., Jan., 1983.
- Sarpkaya, T; Storm, M A  
Hydrodynamic forces from combined wave and current flow  
on smooth and rough circular cylinders at high Reynolds  
numbers  
Offshore Technol. Conf., Houston, Tex., May, 1984.
- Sarpkaya, T; Wilson, J  
Pressure distribution on smooth and rough cylinders in  
harmonic flow  
Ocean Structural Dynamic Symp., Oregon State Univ. -  
Corvallis, Sept. 11-13, 1984.
- Shin, Y S; Lukins, R W  
Probability-based high-cycle fatigue life predictions  
ASME 4th Nat. Cong. on Pressure Vessel and Piping  
Conf., Portland, Ore., June 19-24, 1983.

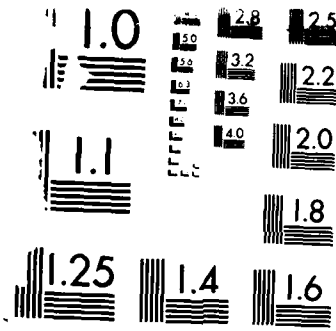
NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONFERENCE PRESENTATIONS (cont'd)

- Shin, Y S; Lukins, R W  
Reliability-based fatigue damage predictions under  
random vibration environment  
AIAA/ASME/ASCE/AHS 24th Structures, Structural  
Dynamics, and Materials Conf., Lake Tahoe, Nev., May  
2-4, 1983.
- Vanderplaats, G N  
Numerical optimization: A practical tool for  
engineering design  
ASCE Convention and Structures Congr., New Orleans,  
La., Oct., 1982.
- Vanderplaats, G N  
A robust feasible directions algorithm for design  
synthesis  
AIAA/ASME/ASCE/AHS 24th Structures, Structural  
Dynamics and Materials Conf., Lake Tahoe, Nev., May,  
1983.
- Vanderplaats, G N  
ADS-1: A new general-purpose optimization program  
AIAA/ASME/ASCE/AHS 24th Structures, Structural  
Dynamics and Materials Conf., Lake Tahoe, Nev., May,  
1983.
- Vanderplaats, G N  
Numerical optimization techniques: Basic concepts  
Am. Helicopter Soc. Ann. Mfg. and Technical Display,  
St. Louis, Mo., May, 1983.
- Vanderplaats, G N  
Numerical optimization techniques for structural  
synthesis  
China-U. S. Workshop on Advances in Computational Eng.  
Mech., Dalian, Peoples Republic of China, Sept.,  
1983.





RESOLUTION TEST CHART

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONTRIBUTIONS TO BOOKS

- Gebhart, B; Hilder, D S; Kelleher, M D  
The diffusion of turbulent buoyant jets  
IN Advances in heat transfer, (vol. 16), Academic  
Press, 1983.
- Kelleher, M D  
The diffusion of turbulent buoyant jets  
IN B. Gebhart and D. S. Hilder, eds.: Advances  
in heat transfer, vol. 16, New York, N. Y.,  
Academic Press, Inc., 1984, p. 1-57.
- Marto, P J; Hernandez, B  
Nucleate pool boiling characteristics of a GEWA-T  
surface in freon-113  
AIChE Symp. series, no. 225, 1983, p. 1-10.
- Vanderplaats, G N  
Numerical methods for shape optimization: An assessment  
of the state of the art  
IN R. G. Gallagher et al., eds.: Optimum  
structural design, vol. 2, John Wiley & Sons,  
1983, p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING  
PUBLISHED PAPERS

- Adachi, K; Perkins, A J  
Lattice image studies on the intervariant boundary  
structure of Cu-Zn-Al martensite  
Metallurgical Trans. A, vol. 16, (1985).
- Challenger, K D; Vining, P G  
Substructure and back stress changes resulting from the  
cyclic loading of 2 1/4 CR - 1 MO steel at 755 degrees K  
Materials Sci. and Eng., vol. 58, p. 257-267, (1983).
- Challenger, K D; Vining, P G  
The effects of hold time on the fatigue crack growth  
rate of 2 1/4 CR - 1 MO steel  
J. Eng. Materials and Technol. vol. 105, p. 280-285,  
(Oct., 1983).
- Culbreth, W G; Marschall, E  
Heat transfer phenomenon in the region of dispersed  
phase injection in a direct-contact liquid-liquid heat  
exchanger  
Int. Communication in Heat and Mass Transfer, vol.  
10, no. 3, p. 211-223, (May-June, 1983).
- Daube, F G; Shin, Y S  
Postprocessing of UNDEX responses of submerged  
cylindrical shell using PATRAN-G  
2nd PATRAN Users Conf., Newport Beach, Calif., May  
21-22, 1984.  
IN Conf. Proc., PDA Eng., (May, 1984).
- Felix, J; Vanderplaats, G N  
Configuration optimization of trusses subject to  
strength, displacement and frequency constraints  
2nd Computer Eng. Conf., ASME, San Diego, Calif.,  
August 1982.  
IN Proc., (1982).
- Hedderich, C P; Kelleher, M D; Vanderplaats, G N  
Heat exchanger design using numerical optimization  
J. of Heat Transfer, vol. 104, no. 4, p. 683-690,  
(Nov., 1982).
- Kelleher, M D; Balasubramanian, N R  
On the use of linearized boundary conditions in the  
computation of flow over wavy walls  
Energy Source Technology Conf., New Orleans, Feb.  
12-16, 1984.  
IN ASME Symp., vol. FED-11, Laminar Turbulent  
Boundary Layers, p. 73-77, (1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Ligrani, P M; Bradshaw, P  
Subminiature hot-wire sensors and resolution of  
small-scale turbulence  
5th Symp. on Turbulent Shear Flows, Cornell Univ.,  
N.Y., Aug. 7-9, 1985.  
IN Preprint, (1985).
- Ligrani, P M; Camci, C  
Adiabatic film cooling effectiveness from heat transfer  
measurements in compressible, variable-property flow  
J. of Heat Transfer, vol. 107, no. 2, p. 313-320,  
(May, 1985).
- Ligrani, P M; Moffatt, R J  
Thermal boundary layers on a rough surface downstream of  
steps in wall temperature  
Boundary Layer Meteorology, vol. 31, no. 2, p.  
127-147, (Feb., 1985).
- Marschall, E; Johnson, G; Culbreth, W G  
Direct-contact heat transfer  
Fortschritte in Verfabreusrechnik, (1982).
- Marto, P J  
Heat transfer and two phase flow during shell-side  
condensation  
ASME-JSME Thermal Eng. Joint Conf., Honolulu, Hawaii,  
Mar. 1983.  
IN Proc., I. Chem. E., London, Symp. Series, no.  
75, p. 561-591, (1983).
- Marto, P J  
Improving the thermal performance of large condenser  
tube bundles  
EPRI Symp. on State-of-the-art Condenser Technology,  
Orlando, Fla. June, 1983.  
IN Proc., (1983).
- Marto, P J  
Rotating heat pipes  
14th Int. Centre for Heat and Mass Transfer Symp.,  
Dubrovnik, Yugoslavia, Sept., 1982.  
IN Proc., Hemisphere Publ. Co., (1983).
- Marto, P J; Lepere, V J  
Pool boiling heat transfer from enhanced surfaces to  
dielectric fluids  
J. of Heat Transfer, vol. 104, no. 2, p. 292-299,  
(May, 1982).



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Marto, P J; Nunn, R H  
The potential of heat transfer enhancement in surface  
condensers  
Int. Conf. on Surface Condensers: Theory and  
practice, Inst. of Sci. and Technol. Univ. of  
Manchester - England, Mar. 22-23, 1983.  
IN Proc., I. Chem. E., London, Symp. Series, no.  
75, p. 23-40, (1983).
- McNalley, T R  
Observation of microporosity in a heat of M-50 steel  
Advances in Bearing Technol. Sem., Naval Postgraduate  
School, Monterey, Calif., Aug. 21-22, 1985.  
IN Preprint, (1985).
- McNalley, T R  
Superplasticity in thermomechanically processed high-Mg,  
Al-Mg alloys  
Symp. on Mech. Behavior of Aluminum Alloys, Stanford  
Univ. - Calif., Apr. 16, 1985.  
IN Preprint, (1985).
- McNalley, T R; Edwards, M R; Doig, A; Boone, D H;  
Schultz, C W  
The effect of prior heat treatments on the structure and  
properties of warm-rolled AISI 52100 steel  
Metallurgical Trans. A, vol. 14, p. 1427-1434, (July,  
1983).
- McNalley, T R; Garg, A  
Development of structure and mechanical properties in  
Al-10.2 wt. pct. Mg by thermomechanical processing  
Scripta metallurgica, vol. 18, no. 9, p. 917-922,  
(Sept., 1984).
- McNalley, T R; Lee, E W  
Effect of TMP variables on superplasticity in  
Al-10Mg-0.5Mn  
114th TMS-AIME Ann. Mtg., New York, N.Y., Feb. 24-28,  
1985.  
IN Preprint, (1985).
- Moresco, L L; Culbreth, W G; Marschall, E  
Temperature measurements in liquid-liquid two phase flow  
7th Int. Heat Transfer Conf., Munich, F. R. G., Sept.  
6-11, 1982.  
IN Proc., Washington, D.C., Hemisphere Publishing  
Corp., p. 545-548, (1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Nunn, R H  
Hovering motion of a friction-driven gyroscopic mass  
J. of Spacecraft and Rockets, vol. 19, no. 5, p.  
480-481, (Sept.-Oct., 1982).
- Nunn, R H  
Vorticity growth and decay in the jet in cross flow  
AIAA J., vol. 23, no. 3, p. 473-476, (Mar., 1985).
- Nunn, R H; Bry, W A  
Drag of a tubular projectile with internal blockage  
J. of Spacecraft and Rockets, vol. 21, no. 2, p.  
216-219, (Mar.-Apr., 1984).
- Nunn, R H; Linsell, D  
Liquid crystal thermography study of jet-crossflow  
surface interactions  
AIAA/AHS/ASEE Aircraft Design Systems and Operations  
Mtg., San Diego, Calif., Oct. 31 - Nov. 2, 1984.  
IN Proc., Paper no. AIAA-84-2432, (1984).
- Perkins, A J  
Effects of austenite microstructure on martensitic  
transformation in Cu-Zn-Al shape memory alloys  
J. de Physique, Colloque 4, vol. 43, suppl. no. 12,  
p. C4-697 - C4-701, (Dec., 1982).
- Perkins, A J  
Morphological evidence of occluded cells in the pitting  
of dilute aluminum alloys  
J. of Electrochemical Soc., vol. 124, p. 137-141,  
(1982).
- Perkins, A J  
Rapid solidification effects in martensitic Cu-Zn-Al  
alloys  
Metallurgical Trans., vol. 13A, p. 1367-1372, (Aug.,  
1982).
- Perkins, A J  
Shape memory behavior and thermoelastic martensitic  
transformations  
Materials Sci. and Eng., vol. 51, no. 2, p. 181-192,  
(1982).
- Perkins, A J  
Martensitic transformation cycling and the phenomenon of  
two-way shape memory training  
Int. Conf on Phase Transformations in Solids, Chania,  
Crete, Greece, June, 1983.  
IN Proc., (1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Perkins, A J  
The microstructure of rapidly solidified beta-phase  
Cu-Zn-Al alloys  
Metallurgical Trans. A, vol. 14, no. 11, p.  
2229-2234, (Nov., 1983).
- Perkins, A J  
Martensitic transformation cycling and the phenomenon of  
two-way shape memory  
Int. Conf. on Phase Transformations in Solids, Crete,  
Greece, June, 1983.  
IN Materials Research Soc. Symp., p. 669-674,  
(1984).
- Perkins, A J; Bobowiec, P  
Microstructural effects of martensitic transformation  
cycling of a Cu-Zn-Al alloy: Vestigial structures in  
the parent phase  
Metallurgical Trans. A, vol. 16, (1985).
- Perkins, A J; Cummings, J R; Graham, K J  
Morphological evidence of occluded cells in the pitting  
of dilute aluminum alloys  
J. of the Electrochemical Soc., vol. 124, no. 1, p.  
137-141, (Jan., 1982).
- Perkins, A J; Muesing, W E  
Martensitic transformation cycling effects in Cu-Zn-Al  
shape memory alloys  
Metallurgical Trans. A, vol. 14, no. 1, p. 33-36,  
(Jan., 1983).
- Perkins, A J; Sponholz, R O  
Stress-induced martensite, transformation cycling and  
two-way shape memory training in Cu-Zn-Al alloys  
Metallurgical Trans. A, vol. 13, p. 313-321, (Feb.,  
1984).
- Sarpkaya, T  
Flow-induced vibration of roughened cylinders  
Flow Induced Vibrations in Fluids Eng., (BHRA -  
British Hydromechanics Res. Assoc. Publications),  
vol. 1, p. 1-13, (Sept., 1982).
- Sarpkaya, T  
The rise and demise of trailing vortices  
IN Proc. of the Int. Conf. of Advanced Topics in  
Aerodynamics and Aeroacoustics, vol. 1, p. 1-3,  
(1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Sarpkaya, T  
Trailing vortices in homogeneous and density-stratified media  
J. Fluid Mech., vol. 136, p. 85-109, (Nov., 1983).
- Sarpkaya, T  
Effect of orbital motion on resistance in harmonic flow  
16th Int. Cong. of Theoretical and Applied Mechanics, Copenhagen, Denmark, Aug. 19-25, 1984.  
IN Proc., Univ. of Denmark, p. 1-3, (1984).
- Sarpkaya, T  
Resistance in combined wave and current flow  
16th Int. Cong. of Theoretical and Applied Mechanics, Copenhagen, Denmark, Aug. 19-25, 1984.  
IN Proc., Univ. of Denmark, p. 4-6, (1984).
- Sarpkaya, T  
Discussion of quasi-2-d forces on a vertical cylinder in waves  
J. of Waterway, Port, Coastal and Ocean Eng., (ASCE), vol. 110, no. 1, p. 120-123, (Feb, 1984).
- Sarpkaya, T; Cakal, I  
A comprehensive sensitivity analysis of the OTS data  
Offshore Technol. Conf., Houston, Tex., May 2-5, 1983.  
IN Proc., p. 317-326, (1983).
- Sarpkaya, T; Kline, H K  
Impulsively-started flow about four types of bluff body  
ASME Winter Ann. Mtg., Washington, D.C., 1981.  
IN J. of Fluids Eng., ASME, vol. 104, p. 207-213, (June, 1982).
- Sarpkaya, T; Raines, T S; Trytten, D O  
Wave forces on inclined smooth and rough circular cylinders  
Offshore Technol. Conf., Houston, Tx., May, 1982.  
IN Proc., 1982 Offshore Technol. Conf., vol. 1, p. 731-736, (1982).
- Sarpkaya, T; Storm, M A  
Hydrodynamic forces from combined wave and current flow on smooth and rough circular cylinders at high Reynolds numbers  
Offshore Technol. Conf., Houston, Tex., May, 1984.  
IN Proc., p. 324-348, (1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Sarpkaya, T; Wilson, J  
Pressure distribution on smooth and rough cylinders in  
harmonic flow  
Ocean Structural Dynamic Symp., Oregon State Univ. -  
Corvallis, Sept. 11-13, 1984.  
IN Proc., p. 341-355, (1984).
- Shin, Y S; Chargin, M K  
Acoustic responses of couple fluid-structure system by  
acoustic-structural analogy  
53rd Shock and Vibration Bull., Part 2, (May, 1983).
- Shin, Y S; Lukins, R W  
Probability-based high-cycle fatigue life predictions  
ASME 4th Nat. Congr. on Pressure Vessel and Piping  
Conf., Portland, Ore., June 19-24, 1983.  
IN Special ASME publication, PVP-72, (June, 1983).
- Shin, Y S; Lukins, R W  
Reliability-based fatigue damage predictions under  
random vibration environment  
AIAA/ASME/ASCE/AHS 24th Structures, Structural  
Dynamics and Materials Conf., Lake Tahoe, Nev., May  
2-4, 1983.  
IN Proc., AIAA, part 2, p. 22-27, (May, 1983).
- Tai, T C; Kidwell, G H; Vanderplaats, G N  
Numerical optimization of circulation control airfoils  
J. Aircraft, vol. 19, no. 2, p. 145-150, (Feb.,  
1982).
- Vanderplaats, G N  
Numerical methods for shape optimization: An assessment  
of the state of the art  
Int. Symp. on Optimum Structural Design, Tucson,  
Ariz., Oct. 19-22, 1981.  
IN Proc., Optimum Structural Design, vol. 2, John  
Wiley & Sons, (1982).
- Vanderplaats, G N  
Structural optimization: Past, present and future  
AIAA J., vol. 20, no. 7, p. 992-1,000, (July, 1982).
- Vanderplaats, G N  
A robust feasible directions algorithm for design  
synthesis  
AIAA/ASME/ASCE/AHS 24th Structures, Structural  
Dynamics and Materials Conf., Lake Tahoe, Nev., May,  
1983  
IN Proc., AIAA, (1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

Vanderplaats, G N

ADS-1: A new general-purpose optimization program  
AIAA/ASME/ASCE/AHS 24th Structures, Structural  
Dynamics and Materials Conf., Lake Tahoe, Nev., May,  
1983.  
IN Proc., AIAA, (1983).

Vanderplaats, G N

Numerical optimization techniques: Basic concepts  
Am. Helicopter Soc. Ann. Mtg. and Technical Display,  
St. Louis, Mo., May, 1983.  
IN Proc., AHS, (1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING  
TECHNICAL REPORTS AND NOTES

- Ligrani, P M  
Subminiature hot-wire sensor construction  
Naval Postgraduate School, (NPS-69-84-010), Nov.,  
1984. 15 p.
- Madsen, L E; Vanderplaats, G N  
COPES: A FORTRAN control program for engineering  
synthesis  
Naval Postgraduate School, (NPS-69-81-003), Mar.,  
1982. 124 p.
- Marto, P J; Nunn, R H  
A critical review of heat transfer enhancement  
techniques for use in marine condensers: Annual report  
for period 01 Oct. 1981 to 30 Sept. 1982  
Prepared for David W. Taylor Naval Ship Res. and  
Develop. Center, Code 2721, Annapolis, Md. Naval  
Postgraduate School, (NPS-69-82-006), Sept., 1982.  
59 p.
- Nunn, R H; Bry, W A  
Wind-tunnel drag measurement of a ball-obtured tubular  
projectile  
Prepared for Technol. Programs Manage. Office (Code  
3205), Naval Weapons Center, China Lake, Calif.  
Naval Postgraduate School, (NPS-69-82-002), June,  
1982. 32 p.
- Nunn, R H; Marto, P J  
Performance rating of enhanced marine condensers  
Prepared for David W. Taylor Naval Ship Res. &  
Develop. Center, Bethesda, Md. Naval Postgraduate  
School, (NPS-69-82-005), Aug., 1982. 92 p.
- Nunn, R H; Wright, R J  
Modeling and simulation of a fin actuation system  
Prepared for Naval Weapons Center China Lake, Calif.  
Naval Postgraduate School, (NPS-69-84-001), Dec.,  
1984. 30 p.
- Salinas, D; Vatikiotis, C S  
Advanced composites fire response program: Progress  
report  
Prepared for Naval Weapons Center, China Lake, Calif.  
Naval Postgraduate School, (NPS Tech. note  
69Zc-82-007), Sept., 1982. 58 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

TECHNICAL REPORTS AND NOTES (cont'd)

- Sarpkaya, T  
Effects of core size on the rise and demise of trailing vortices  
Prepared for DARPA, Arlington, Va. Naval Postgraduate School, (NPS-69-82-010), Dec., 1982. 109 p.
- Sarpkaya, T  
Hydrodynamic resistance in harmonic flow-current field  
Prepared for Civil Eng. Lab., Port Hueneme, Calif. Naval Postgraduate School, (NPS-69-82-004), Aug., 1982. 45 p.
- Sarpkaya, T  
Oscillating flow about yawed cylinders  
Prepared for National Science Foundation, Washington, D.C. Naval Postgraduate School, (NPS-69-83-001), Mar., 1983. 125 p.
- Sarpkaya, T  
Pressure measurements about cylinders in oscillating flow  
Prepared for Nat. Sci. Foundation, Washington, D.C. Naval Postgraduate School, (NPS-69-83-003), Oct., 1983. 123 p.
- Sarpkaya, T; Henderson, D O  
Surface disturbances due to trailing vortices  
Prepared for DARPA, Arlington, Va. Naval Postgraduate School, (NPS-69-84-004), Mar., 1984. 157 p.
- Sarpkaya, T; Johnson, S K  
Trailing vortices in stratified fluids  
Prepared for Defense Advanced Res. Projects Agency (DARPA), Arlington, Va. Naval Postgraduate School, (NPS-69-82-003), June, 1982. 162 p.
- Shin, Y S; Knouse, S T; Milster, P F  
Effect of boundary conditions on the damping characteristics of a randomly excited cast nickel aluminum bronze specimen  
Prepared for David W. Taylor Naval Ship R&D Center, Annapolis, Md. Naval Postgraduate School, (NPS-69-84-002), Mar., 1984.
- Shin, Y S; Milster, P F  
Effect of temperature on the damping characteristics of randomly excited metal plate specimens in a salt water environment  
Naval Postgraduate School, (NPS-69-84-007), Sept., 1984.

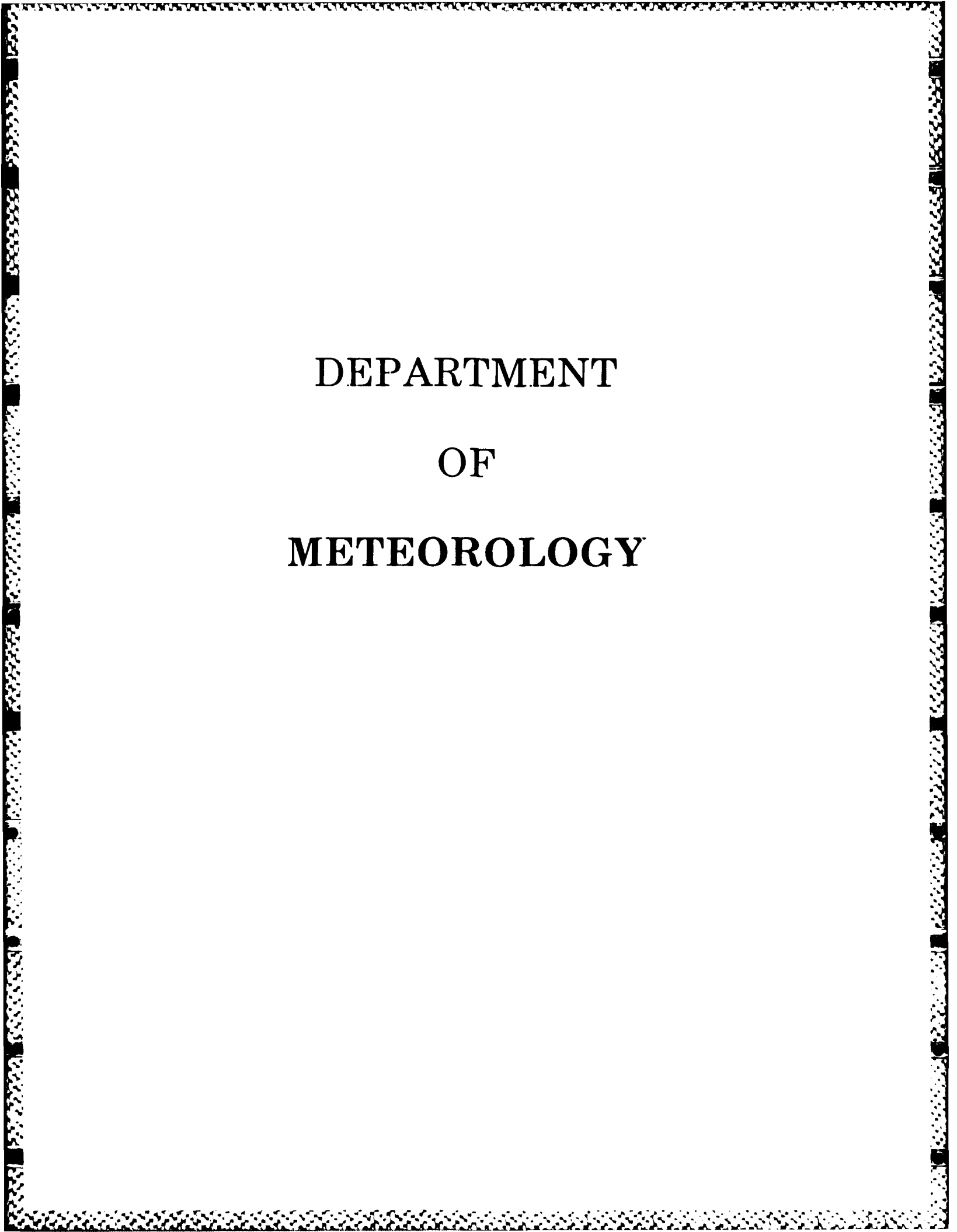


NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

TECHNICAL REPORTS AND NOTES (cont'd)

- Smith, D L  
An automatic control specialty for the Mechanical  
Engineering Department  
Prepared for Naval Sea Systems Command, Washington,  
D.C. Naval Postgraduate School, (NPS-69-84-012),  
Nov., 1984. 20 p.
- Smith, D L; Petroka, R; Yobs, R; Lewis, D; McCarth, W  
A mechanical predesign project in robotic fire fighting  
Naval Postgraduate School, (NPS-69-85-004), May,  
1985. 38 p.
- Wanniarachchi, A S; Marto, P J  
An evaluation of Liquid and two-phase cooling techniques  
for use in electrical machinery: Final report from Oct.  
1, 1983 to Sept. 30, 1984.  
Prepared for David W. Taylor Naval Ship R & D Center,  
Annapolis, Md. Naval Postgraduate School,  
(NPS-69-84-013), Dec., 1984. 52 p.

A decorative border with a repeating pattern of small, dark, irregular shapes surrounds the entire page.

**DEPARTMENT  
OF  
METEOROLOGY**

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS

- Adamec, D D; Elsberry, R L  
Response of an intense oceanic current system to  
cross-stream cooling events  
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Adamec, D D; Elsberry, R L  
Modifications of an intense oceanic current system  
flowing into a region of intense cooling  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,  
1985.
- Adamec, D D; Garwood, R W  
Model simulation of seventeen years of mixed layer  
evolution at Ocean Station Papa  
AGU Fall Mtg., San Francisco, Calif., Dec. 10, 1982.
- Batteen, M; Haney, R L; Mooers, C N K  
Coastal and bathymetric influences on eddy generation in  
the California Current System  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.  
5-17, 1985.
- Black, P G; Elsberry, R L; Shay, L K; Partridge, R M  
Hurricane Josephine surface winds and ocean response  
determined from air deployed drifting buoys and  
concurrent research aircraft data  
16th Technical Conf. on Hurricanes and Meteorology,  
Houston, Tex., May, 1985.
- Boyle, J S; Chang, C P  
Interseasonal variations in the northern winter  
atmospheric tropical/subtropical circulation for the  
period 1974 to 1983  
IAMAP/IAPSO Joint Symp. on Monsoon Circulation in  
Oceans and Atmosphere, Honolulu, Hawaii, Aug. 5-16,  
1985.
- Boyle, J S; Wash, C H  
Systematic errors in Navy Operational Global Analysis  
and Prediction System  
7th Conf. on Numerical Weather Prediction, Montreal,  
Canada, June, 1985.
- Boyle, P J; Davidson, K L; Schacher, G E  
Evaluation of an integrated mixed layer model for single  
station prediction in a marine regime  
Newscasting -II Symp., Norrkoping, Sweden, Sept. 3-7,  
1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Chang, C P  
Short term midlatitude-tropical interactions during  
Winter Monsoon  
WMO Regional Conf. on Tropical Meteorology, Tsukuba,  
Japan, Oct., 1982.
- Chang, C P  
A review of midlatitude-tropical interactions over East  
Asia during cold surges  
AIT-CCNAA Joint Seminar on Monsoon and Tropical  
Meteorology, Taipei, Taiwan, Apr. 17-22, 1983.
- Chang, C P  
Large-scale effects of cold surges  
U.S.-PRC Workshop on Monsoon Res., Beijing, Peoples  
Republic of China, July, 3-14, 1983.
- Chang, C P  
Midlatitude-tropical interactions during winter monsoons  
Nat. Academy of Sciences Workshop on FGGE, Woods  
Hole, Mass., July 9-20, 1984.
- Chang, C P  
Planetary scale circulation: Observation and theory  
Nat. Academy of Sciences on TOGA, La Jolla, Calif.,  
Feb. 13-15, 1984.
- Chang, C P  
Planetary scale Rossby wave response to tropical heat  
sources  
Commemorization of the 60th Anniversary of the  
Chinese Meteorological Soc., Nanjing, People's  
Republic of China, Oct. 10-15, 1984.
- Chang, C P; Lau, K M W; Lim, H  
Midlatitude-tropical interaction associated with the  
winter monsoon  
FGGE Sem. on Progress in Tropical Meteorology,  
Tallahassee, Fla., Oct., 1984.
- Chang, C P; Peng, M S  
Variations of Mei-Yu fronts over China  
2nd U.S.-P.R.C. Cooperative Workshop on Monsoon  
Research, Monterey, Calif., June 10-13, 1985.
- Chou, L C; Chang, C P; Williams, R T  
Numerical simulation of the Mei-Yu front  
WMO Regional Conf. on Tropical Meteorology, Tsukuba,  
Japan, Oct. 18-22, 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Curry, W T; Elsberry, R L; Chan, J C  
An objective determination of tropical cyclone warning positions  
16th Technical Conf. on Hurricanes and Meteorology, Houston, Tex., May, 1985.
- Davidson, K L  
Boundary layer observations for MIZEX  
Marginal Ice Zone Experiment (MIZEX) Workshop, Nat. Academy of Sci., Washington, D.C., Jan. 13, 1982.
- Davidson, K L  
Evolutions of the coastal marine boundary layer (S. California)  
Coastal Transport and Dispersion Workshop, Brookhaven Nat. Lab., Long Island, N. Y., July 13-15, 1982.
- Davidson, K L  
Shipboard marine atmospheric boundary layer measurements  
Marginal Ice Zone Experiment (MIZEX) Planning Mtg., Univ. of Washington - Seattle, Aug. 25-26, 1982.
- Davidson, K L  
Surface flux from the Oceanographer  
Workshop on Results from the Storm Transfer & Response Experiment (STREX), Univ. of Washington - Seattle, Aug. 3-5, 1982.
- Davidson, K L  
Scientific meteorological issues of the marginal ice zone  
2nd Alfred-Wegener-Conf. on Air-Sea Interactions, Alfred Wegener Inst., Bremerhaven, F. R. G., Nov. 14-18, 1983.
- Davidson, K L; Boyle, P J  
Surface stress measurements during STREX 1980  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug. 5-16, 1985.
- Davidson, K L; Garwood, R W  
Coupled oceanic and atmospheric mixed layer model  
18th General Assembly of the Int. Union of Geodesy and Geophysics, Symp. on Sea-Ice Modeling, Hamburg, F. R. G., Aug. 17-19, 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Davidson, K L; Geernaert, G L  
Open water atmospheric boundary layer measurements  
during MIZEX-84  
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Davidson, K L; Geernaert, G L  
The effect of sea surface temperature gradients on the  
MIZEX atmospheric boundary layer  
AGU Spring Mtg., Baltimore, Md., May 27, 1985.
- Durkee, P A  
The vertical distribution of marine aerosols inferred  
from dual-wavelength radiance measurements  
Tropical Mtg. on Optical Remote Sensing of the  
Atmosphere, Incline Village, Nev., Jan. 15-18, 1985.
- Durkee, P A; Hindman, E E; Jensen, D R; Von Der Haar, T H  
Marine aerosol optical depth from satellite detected  
radiance  
Conf. on Satellite/Remote Sensing and Applications,  
Clearwater Beach, Fla., June 25-29, 1984.
- Durkee, P A; Hindman, E E; van der Haar, T H  
Marine boundary layer characterization from  
satellite-detected aerosol optical depth  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.  
5-16, 1985.
- Elsberry, R L  
Ocean/troposphere forecast systems: A state-of-the-art  
review  
Workshop on Ocean-Atmospheric Modeling for Numerical  
Prediction, Monterey, Calif., Aug., 1982.
- Elsberry, R L  
Atmospheric forcing requirements for upper ocean thermal  
structure prediction  
ONR Workshop on Air-Sea Interaction, Boulder, Colo.,  
Feb., 1983.
- Elsberry, R L  
Processes leading to large-scale midlatitude Pacific  
Ocean anomalies  
IUGG 18th General Assembly, Hamburg, F. R. G., Aug.  
15-27, 1983.
- Elsberry, R L  
Recent developments in tropical cyclone track  
forecasting  
CCNAA-AIT Joint Seminar on Monsoon and Tropical  
Meteorology, Taipei, Taiwan, Apr., 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Elsberry, R L  
Review of recent research on oceanic cyclones  
4th Extratropical Cyclone Project Workshop, Madison,  
Wisc., Nov. 2-4, 1983.
- Elsberry, R L  
Numerical prediction of tropical cyclone tracks (lecture  
notes)  
Workshop on Numerical Weather Prediction, Dept. of  
Atmos. Sciences, National Taiwan Univ., Apr., 1984.
- Elsberry, R L  
Results of a short course on the Advanced Tropical  
Cyclone Model  
U. S. Pacific Command Tropical Cyclone Conf., Guam,  
Marianas Islands, 1985.
- Elsberry, R L; Adamec, D D  
Sensitivity of mixed layer predictions at Ocean Station  
Papa to atmospheric forcing parameters  
AGU Fall Mtg., San Francisco, Calif., Dec., 1982.
- Elsberry, R L; Adamec, D D  
Sensitivity studies with an upper ocean prediction model  
Workshop on the Predictability of Fluid Motions, La  
Jolla, Calif., Feb., 1983.
- Elsberry, R L; Adamec, D D  
Role of momentum mixing in upper ocean circulations  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,  
1985.
- Elsberry, R L; Hopkins, C K; Shay, L K  
Ocean current response to hurricane passage  
4th Conf. on Ocean-Atmosphere Interaction, San Diego,  
Calif., June, 1982.
- Elsberry, R L; Lage, T D; Peak, J E  
Two evaluations of the operational forecast guidance at  
JTWC  
15th Tech. Conf. on Hurricanes and Tropical  
Meteorology, Miami, Fla., Jan. 9-13, 1984.
- Elsberry, R L; Peak, J E  
Feasibility test of dynamical model forecasts of  
Southern Hemisphere tropical cyclones  
1st Int. Conf. on Southern Hemisphere Meteorology,  
Aug., 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Elsberry, R L; Sandgathe, S A; Winninghoff, F J  
Development tests for a coupled oceanic-atmospheric  
model for short-term forecasting  
IUGG 18th General Assembly, Hamburg, F. R. G., Aug.  
15-27, 1983.
- Fairall, C W; Davidson, K L; Schacher, G E  
Application of a mixed layer model to aerosols in the  
coastal marine boundary layer  
1st Int. Conf. on Meteorology & Air/Sea Interaction  
of the Coastal Zone, The Hague, Netherlands, May  
10-14, 1982.
- Fairall, C W; Markson, R; Davidson, K L  
Aircraft measurements of surface fluxes in the marginal  
ice zone  
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Gallacher, P C; Elsberry, R L; Garwood, R W; Bird, A A  
Simulation of the three-dimensional upper ocean  
temperature field in the Central North Pacific using a  
mixed layer model  
AGU Fall Mtg., San Francisco, Calif., Dec. 10, 1982.
- Gallacher, P C; Garwood, P W  
Wind direction and equilibrium mixed layer depth:  
General theory  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,  
1985.
- Gallacher, P C; Garwood, R W  
The interaction of planetary rotation and turbulent  
vorticity in the upper ocean mixed layer at  
mid-latitudes  
5th Conf. on Ocean-Atmosphere Interaction of the Am.  
Meteorological Soc., Miami, Fla., Jan., 1984.
- Garwood, R W; Muller, P; Gallacher, P C  
Wind direction and equilibrium mixed layer depth in the  
Tropical Pacific  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,  
1985.
- Geernaert, G L; Davidson, K L  
On the behavior of the drag coefficient in frontal  
regions  
1984 Ocean Sciences Mtg., AGU, New Orleans, La., Jan  
23-27, 1984.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Guest, P S; Davidson, K L  
Drag coefficients obtained during MIZEX-83  
1984 Ocean Sciences Mtg., AGU, New Orleans, La., Jan  
23-27, 1984.
- Guest, P S; Davidson, K L  
Variation of the drag coefficient and wind wave coupling  
in the vicinity of a storm front  
10th Ann. Mtg., European Geophysical Soc.,  
Louvain-La-Neuve, Belgium, July 30 - Aug. '3, 1984.
- Guest, P S; Davidson, K L  
Wind stress as a function of ice characteristics in the  
marginal ice zone  
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Guest, P S; Davidson, K L  
Wind temperature profiles and turbulence on a large flat  
floe in the East Greenland Sea marginal ice zone  
AGU Spring Mtg., Baltimore, Md., May 27, 1985.
- Haney, R L  
A ten-year hindcast of the central North Pacific Ocean  
AGU Fall Mtg., San Francisco, Calif., Dec. 7-13,  
1982.
- Haney, R L  
Numerical model studies of the midlatitude North Pacific  
Ocean  
Study Conf. on Large-Scale Oceanographic Experiments  
in the World Climate Res. Programme, Tokyo, Japan,  
May 10-21, 1982.
- Haney, R L  
A ten-year hindcast of large-scale sea surface  
temperature anomalies in the midlatitude North Pacific  
Ocean  
18th General Assembly of the Int. Assoc. for the  
Physical Sciences of the Ocean, Hamburg, F. R. G.,  
Aug. 15-27, 1983.
- Haney, R L  
SST anomalies in the midlatitude North Pacific Ocean: A  
numerical hindcast  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.  
5-16, 1985.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Haney, R L; Chan, J C H  
On the 1982/83 warm event in the Equatorial Pacific  
5th Conf. on Ocean-Atmosphere Interaction of the Am.  
Meteorological Soc., Miami, Fla., Jan. 9-13, 1984.
- Haney, R L; Rennick, M A  
Air-sea interaction in coupled shallow water models of  
the equatorial atmosphere and ocean  
AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
- Haney, R L; Rutsch, A H  
Rossby waves in a model simulation of the North Pacific  
Ocean  
Fall Mtg. of Am. Geophysical Union, San Francisco,  
Calif., Dec. 4-8, 1983.
- Hayes, J L; Williams, R T  
Numerical simulation of Lee Cyclogenesis  
6th Conf. on Numerical Weather Prediction of the Am.  
Meteorological Soc., Omaha, Neb., June 6-9, 1983.
- Hayes, J L; Williams, R T; Rennick, M A  
Numerical studies of Atmospheric Lee Cyclogenesis  
4th Conf. on Atmospheric and Oceanic Waves and  
Stability of the Am. Meteorological Soc., Boston,  
Mass., Mar. 22-25, 1983.
- Hayes, J L; Williams, R T; Rennick, M A  
Numerical study of lee cyclogenesis  
Int. Conf. for Alpine Meteorology, Opatiga,  
Yugoslavia, Sept. 25-29, 1984.
- Hinsman, D E; Elsberry, R L; Hovermale, J B  
Development of Navy Advanced Tropical Cyclone Model  
16th Technical Conf. on Hurricanes and Tropical  
Meteorology, Houston, Tex., May, 1985.
- Lau, K M W; Chan, P; Chang, C P  
A diagnostic study of large-scale circulation changes  
during northeasterly cold surge periods  
14th Tech. Conf. on Hurricanes and Tropical  
Meteorology, San Diego, Calif., June, 1982.
- Lim, H; Chang, C P; Lau, K M W  
A theory on global responses to equatorial forcing  
WMO Regional Conf. on Tropical Meteorology, Tsukuba,  
Japan, Oct., 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Lim, H; Chang, C P; Lau, K M W  
A theory on global responses to equatorial forcing  
14th Tech. Conf. on Hurricanes and Tropical  
Meteorology, San Diego, Calif., June, 1982.
- Liou, C -S; Elsberry, R L  
Physical processes in prediction of explosive maritime  
cyclogenesis  
7th Conf. on Numerical Weather Prediction, Montreal,  
Canada, June, 1985.
- Monahan, E C; Davidson, K L; Fairall, C W; Boyle, P J;  
Schacher, G E; Spiel, D E  
Features of the NE Atlantic aerosol spectral identified  
with specific sea surface production mechanisms  
Joint Oceanographic Assembly, Halifax, Nova Scotia,  
Canada, Aug., 1982.
- Monahan, E C; Fairall, C W; Davidson, K L; Boyle, P J  
Inter-relationships amongst JASIN winds, white caps and  
marine aerosols  
R. Soc. Discussion Mtg., London, Eng., June 2-3,  
1982.
- Monahan, E C; Spiel, D E; Davidson, K L  
Model of marine aerosol generation vs. white-caps and  
wave disruption  
AMS Conf. on Aerospace and Aeronautical Meteorology,  
Omaha, Neb., June 6-9, 1983.
- Neta, B; Hinsman, D E; Williams, R T  
Studies in a shallow water fluid model with topography  
11th IMAC World Cong., Oslo, Norway, Aug. 5-9, 1985.
- Peak, J E; Elsberry, R L  
Statistical post-processing of the Navy nested tropical  
cyclone model and the operational tropical cyclone model  
14th Tech. Conf. on Hurricanes and Tropical  
Meteorology, San Diego, Calif., June, 1982.
- Peak, J E; Elsberry, R L  
Prediction of tropical cyclone turning and acceleration  
using empirical orthogonal function representations  
15th Tech. Conf. on Hurricanes and Tropical  
Meteorology, Miami, Fla., Jan. 9-13, 1984.
- Peak, J E; Elsberry, R L  
Objective selection of optimum tropical cyclone guidance  
using a decision-tree methodology  
16th Technical Conf. on Hurricanes and Meteorology,  
Houston, Tex., May, 1985.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Peak, J E; Wash, C H; Ebersole, K A; Elsberry, R L  
A study of Glas and UCLA model forecasts of explosive  
cyclogenesis  
7th Conf. on Numerical Weather Prediction, Montreal,  
Canada, June, 1985.
- Peng, M S; Chang, C P  
On the Mei-Yu front of the East Asian summer monsoon  
IAMAP/IAPSO Joint Symp. on Monsoon Circulation in  
Oceans and Atmospheres, Honolulu, Hawaii, Aug., 5-16,  
1985.
- Peng, M S; Williams, R T  
Application of multiple-scale technique to barotropic  
and baroclinic instability of a current with slow zonal  
variation  
SIAM Summer Mtg., Seattle, Wash., 1984.
- Peng, M S; Williams, R T  
Spatial instability of parallel and nonparallel flows in  
the two-layer baroclinic model  
5th Conf. on Atmos. and Oceanic Waves and Stability  
of the Am. Meteorological Soc., New Orleans, La.,  
Mar. 4-7, 1985.
- Peng, M S; Williams, R T; Chang, C P  
Barotropic instability in a slowly varying easterly jet  
Joint Conf. of the 18th Ann. Cong. of the Canadian  
Meteorological and Oceanogr. Soc. and the 11th Ann.  
Mtg. of the Canadian Geophys. Union, Halifax, Nova  
Scotia, Canada, May 28-June 1, 1984.
- Ranelli, P H; Elsberry, R L; Liou, C-S E; Sandgathe, S A  
Effects of ranging sea-surface temperature on 10 day  
atmospheric model forecasts  
16th Int. Liege Colloquium on Ocean Hydrodynamics,  
Liege, Belgium, May 7-11, 1984.
- Ranelli, P H; Sandgathe, S A; Elsberry, R L  
Response of an atmospheric prediction model to  
time-dependent sea-surface temperatures  
AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.
- Renard, R J  
Use of AWS data in forecasting vicinity of McMurdo,  
Antarctica  
NSF Antarctic Automatic Weather Station (AWS) Conf.,  
Univ. of Wisc. - Madison, Apr. 6-8, 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Renard, R J  
Climatology and weather forecasting for the Ross Ice Shelf Area of Antarctica using AWS data and standard observations  
NSF Antarctic Automatic Weather Station (AWS) Conf., NOAA, Boulder, Colo., Mar. 22, 1984.
- Renard, R J; Sounders, C G  
The visibility climatology of McMurdo/Williams Field, Antarctica  
Am. Meteorological Soc. 10th Conf. on Weather Forecasting and Analysis, Clearwater Beach, Fla., June 25-29, 1984.
- Renard, R J; Thompson, W J  
Use of remote site automatic weather station data for analysis and forecasting in the Western Ross Sea / Ice Shelf Area  
IUGG 18th General Assembly, Hamburg, F. R. G., Aug. 15-27, 1983.
- Renard, R J; Thompson, W J; Hervey, S P  
Analysis of pressure, temperature and wind data from remote site automatic weather stations near McMurdo, Antarctica  
AMS 1st Int. Conf. on Southern Hemisphere Meteorology, Sao Jose dos Campos, Brazil, July 31-Aug 6, 1983.
- Rennick, M A; Haney, R L  
A model of oceanic response to anomalous wind forcing in the Equatorial Pacific  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug. 5-17, 1985.
- Rennick, M A; Williams, R T  
Representation of the tropopause using sigma coordinates  
6th Conf. on Numerical Weather Prediction of the Am. Meteorological Soc., Omaha, Neb., June 6-9, 1983.
- Rovero, P J; Liou, C -S; Elsberry, R L  
Effects of time-dependent sea-surface temperature on atmospheric model predictions to 10 days  
7th Conf. on Numerical Weather Prediction, Montreal, Canada, June, 1985.
- Sandgathe, S A; Elsberry, R L; Winninghoff, F J  
Ocean thermal response to a global sector atmospheric numerical model  
4th Conf. on Ocean-Atmospheric Interaction of the Am. Meteorological Soc., San Diego, Calif., June 8-10, 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Sandgathe, S A; Elsberry, R L; Winninghoff, F J  
Ocean thermal response to a global sector atmospheric  
numerical model  
Workshop on Air-Sea Interaction Modeling, Monterey,  
Calif., Aug., 1982.
- Shaffer, A R; Chang, C P; Elsberry, R L  
Long-wave forcing of equatorial penetrating winter  
monsoon cold surges  
15th Tech. Conf. on Hurricanes and Tropical  
Meteorology, Miami, Fla., Jan. 9-13, 1984.
- Shaffer, A R; Elsberry, R L  
Typhoon motion forecasting using empirical orthogonal  
function analysis of the synoptic forcing  
14th Tech. Conf. on Hurricanes and Tropical  
Meteorology, San Diego, Calif., June, 1982.
- Shaw, W J  
Intermittency and the organization of turbulence in the  
near-neutral marine atmospheric boundary layer  
6th Symp. on Turbulence and Diffusion, Boston, Mass.,  
Mar. 22-25, 1983.
- Shaw, W J  
Mesoscale variability of the marine boundary layer  
related to sea surface temperature  
Workshop on Air-Sea Interaction, Boulder, Colo., Feb.  
14-18, 1983.
- Shaw, W J; Tillman, J E  
A correction for different wet-bulb and dry-bulb  
response in thermocouple psychrometry  
1985 Int. Symp. on Moisture and Humidity, Washington,  
D.C., Apr. 15-18, 1985.
- Shay, L K; Elsberry, R L  
Observations of inertio-gravity waves in the wake of  
hurricane Frederic  
AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.
- Stringer, G L; Elsberry, R L; Gallacher, P C  
Some examples of cold anomaly development and evolution  
in the central North Pacific  
AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.
- Swaykos, J W; Davidson, K L; Boyle, P A; Garwood, R W  
Mixed layer results from MILDEX  
AGU Fall Ann. Mtg., San Francisco, Calif., Dec.,  
1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Uccellini, L; Keyser, D; Wash, C H; Brill, K  
The role of a tropopause fold on the rapid deployment of  
an intense cyclone  
Int. Conf. on Mesoscale Meteorology, Melbourne,  
Australia, 1984.
- Uccellini, L; Keyser, D; Wash, C H; Brill, K  
The President's Day cyclone of 18-19 February 1979:  
Influence of a tropopause fold on rapid cyclogenesis  
10th Conf. on Weather Analysis and Forecasting,  
Clearwater, Fla., June 25-29, 1984.
- Uccellini, L; Kocin, P; Petersen, R; Brill, K; Wash, C H  
Aspects of supergradient motion in a subtropical jet  
streak and implications for the development of locally  
heavy precipitation  
1st Conf. on Mesoscale Meteorology, Norman, Okla.,  
June, 1983.
- Wash, C H  
Cloud precipitation specification using GOES data on  
SPADS  
Navy/CSU Scientific Workshop, Monterey, Calif., June  
4-5, 1982.
- Wash, C H  
Diagnostic studies of observed and numerically simulated  
oceanic cyclones  
3rd Extratropical Cyclone Project Workshop, Nat.  
Meteorological Center, Washington, D.C., Mar. 10-12,  
1982.
- Wash, C H; Calland, W  
Diagnostic study of explosive oceanic cyclogenesis  
during FGCE  
10th Conf. on Weather Analysis and Forecasting,  
Clearwater, Fla., June 25-29, 1984.
- Wash, C H; Chou, L C; Nelsen, C; Moren, C; Spray, L  
Satellite cloud and precipitation analysis using  
interactive computer system  
Conf. on Satellite/Remote Sensing Applications,  
Clearwater, Fla., June 25-29, 1984.
- Wash, C H; Chou, L C; Spray, L  
Geostationary satellite cloud and precipitation analysis  
using an interactive computer system  
Newscasting-II Symp., Norrikoping, Sweden, Sept. 3-7,  
1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Wash, C H; Conant, P; Roman, D  
Quasi-Lagrangian mass, angular momentum and circulation  
budgets for Presidents' Day cyclone  
9th Conf. on Weather Forecasting and Analysis,  
Seattle, Wash., June 28 - July 1, 1982.
- Wash, C H; Uccellini, L; Kocin, P; Petersen, R; Kaplan, M  
An analysis of the Presidents' Day cyclone  
3rd Extratropical Cyclone Project Workshop, Nat.  
Meteorological Center, Washington, D.C., Mar. 10-12,  
1982.
- Wash, C H; Uccellini, L; Kocin, P; Petersen, R; Kaplan, M  
Results from a numerical model simulation of the  
President's Day cyclone  
3rd Extratropical Cyclone Project Workshop, Nat.  
Meteorological Center, Washington, D.C., Mar. 10-12,  
1982.
- Williams, R T  
Numerical methods and mountain treatments (lecture  
notes)  
Workshop on Numerical Weather Prediction, Dept. of  
Atmos. Sciences, National Taiwan Univ., Apr., 1984.
- Williams, R T  
Lectures in numerical schemes and effects of topography  
Workshop on Numerical Weather Prediction, Dept. of  
Atmospheric Sciences, National Taiwan Univ., Taipei,  
Taiwan, Apr., 1985. 139 p.
- Wilson, W E; Elsberry, R L; Peak, J E; Chan, J C  
Prediction of tropical cyclone motion based on an EOF  
representation of the environmental wind fields  
16th Technical Conf. on Hurricanes and Meteorology,  
Houston, Tex., May, 1985.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

CONTRIBUTIONS TO BOOKS

- Chang, C P  
Midlatitude-tropical interactions during winter  
IN Proc. of the 1st Nat. Workshop on the Global  
Weather Experiment: Current achievements and  
future directions, vol. 2, Nat. Academy Press,  
1985, p. 543-559.
- Chang, C P; Krishnamurti, T N; eds.  
Reviews in monsoon meteorology  
Oxford Univ. Press, 1985.
- Daniels, A; Shaw, W J  
Calibration standards  
IN E. V. Brock, ed.: Instructor's handbook on  
meteorological instrumentation, Nat. Center for  
Atmospheric Res., 1984.
- Gallacher, P C; Elsberry, R L; Garwood, R W; Bird, A A  
A mixed layer model simulation of the three-dimensional  
upper ocean temperature field in the Central North  
Pacific  
IN I. D. Rutherford, ed.: Research activities in  
atmospheric and oceanic modeling, Geneva,  
Switzerland, WMO, 1983, p. 8.12-8.14.
- Hendrie, L K; Knapp, W W; Lala, G G; Shaw, W J; Stamm, A  
Field environment  
IN E. V. Brock, ed.: Instructor's handbook on  
meteorological instrumentation, Nat. Center for  
Atmospheric Res., 1984.
- Lau, K M W; Chang, C P  
Planetary scale aspects of winter monsoons and  
teleconnections  
IN C. P. Chang and T. N. Krishnamurti, eds:  
Reviews in monsoon meteorology, Oxford Univ.  
Press, 1985.
- Lim, H; Chang, C P  
Theories of tropical-midlatitude interactions during the  
winter monsoon  
IN C. P. Chang and T. N. Krishnamurti, eds:  
Reviews in monsoon meteorology, Oxford Univ.  
Press, 1985.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

- Adamec, D D; Elsberry, R L  
Sensitivity of mixed layer predictions at Ocean Station  
Papa to atmospheric forcing parameters  
J. Phys. Oceanogr., vol. 14, no. 4, p. 769-780,  
(Apr., 1984).
- Adamec, D D; Elsberry, R L  
The use of mean atmospheric forcing in an ocean mixed  
layer model  
J. Phys. Oceanogr., vol. 14, no. 10, p. 1670-1676,  
(Oct., 1984).
- Adamec, D D; Elsberry, R L  
Response of an intense oceanic current system to  
cross-stream cooling events  
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.  
IN EOS, vol. 65, no. 45, p. 935, (1984).
- Adamec, D D; Elsberry, R L  
Response of an intense oceanic current system to  
cross-stream cooling events  
J. Phys. Oceanogr., vol. 15, no. 3, p. 273-287,  
(Mar., 1985).
- Adamec, D D; Elsberry, R L  
The response of intense oceanic current systems entering  
regions of strong cooling  
J. Phys. Oceanogr., vol. 15, no. 10, p. 1284-1295,  
(Oct., 1985).
- Adamec, D D; Garwood, R W  
Model simulation of seventeen years of mixed layer  
evolution at Ocean Station Papa  
AGU Fall Mtg., San Francisco, Calif., Dec. 10, 1982.  
IN EOS, vol. 63, no. 45, p. 1006, (Nov. 9, 1982).
- Adamec, D D; Garwood, R W  
The simulated response of an upper-ocean density front  
to local atmospheric forcing  
J. Geophys. Res., vol. 90, no. C1, p. 917-928, (Jan.,  
1985).
- Black, P G; Elsberry, R L; Shay, L K; Partridge, R M  
Hurricane Josephine surface winds and ocean response  
determined from air deployed drifting buoys and  
concurrent research aircraft data  
16th Technical Conf. on Hurricanes and Meteorology,  
Houston, Tex., May, 1985.  
IN Preprint, Am. Meteorological Soc., p. 22-24,  
(1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Boyle, P J; Davidson, K L; Schacher, G E  
Evaluation of an integrated mixed layer model for single  
station prediction in a marine regime  
Newscasting -II Symp., Norrkoping, Sweden, Sept. 3-7,  
1984.  
IN Proc., p. 323-327, (1984).
- Businger, J A; Shaw, W J  
The response of the marine boundary layer to mesoscale  
variations in sea-surface temperature  
Dynamics of Atmospheres and Oceans, vol. 8, p.  
267-281, (1984).
- Chang, C P  
Short term midlatitude-tropical interactions during  
Winter Monsoon  
WMO Regional Conf. on Tropical Meteorology, Tsukuba,  
Japan, Oct., 1982.  
IN Abstracts, WMO, p. 129-130, (1982).
- Chang, C P  
A review of midlatitude-tropical interactions over East  
Asia during cold surges  
AIT-CCNAA Joint Seminar on Monsoon and Tropical  
Meteorology, Taipei, Taiwan, Apr. 17-22, 1983.  
IN Proc., Nat. Taiwan Univ., p. 59-65, (1983).
- Chang, C P  
Midlatitude-tropical interactions during winter monsoons  
Nat. Academy of Sciences Workshop on FGGE, Woods  
Hole, Mass., July 9-20, 1984.  
IN Proc., (1984).
- Chang, C P  
A review of midlatitude tropical interactions over East  
Asia during cold surges  
Papers in Meteorological Res., vol. 7, (1984).
- Chang, C P; Chen, G; Gerish, T E  
Structure of the quasi-stationary cyclonic circulation  
near Borneo during Winter MONEX  
Int. Conf. on the Scientific Results of the Monsoon  
Experiment, Bali, Indonesia, Oct., 1981.  
IN Proc., WMO, p. 5/59 - 5/62, (1982).
- Chang, C P; Lau, K M W  
Planetary-scale circulations during winter monsoons  
Int. Conf. on the Scientific Results of the Monsoon  
Experiment, Bali, Indonesia, Oct., 1981.  
IN Proc., WMO, p. 2/20 - 2/23, (1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Chang, C P; Lau, K M W  
Short-term planetary scale interactions over the tropics  
and midlatitudes during northern winter: Part 1:  
Contrasts between active and inactive periods  
Mon. Weather Rev., vol. 110, no. 8, p. 933-946,  
(Aug., 1982).
- Chang, C P; Lau, K M W  
Short-term planetary-scale teleconnection during winter  
14th Tech. Conf. on Hurricanes and Tropical  
Meteorology, San Diego, Calif., June, 1982.  
IN Abstracts, Am. Meteorological Soc., p. 17,  
(1982).
- Chang, C P; Lau, K M W; Lim, H  
Midlatitude-tropical interaction associated with the  
winter monsoon  
FGCE Sem. on Progress in Tropical Meteorology,  
Tallahassee, Fla., Oct., 1984.  
IN GARP Special Report No. 44, WMO, p. 37-52,  
(1985).
- Chang, C P; Lim, H  
Effects of viscous damping on equatorial Rossby waves  
J. of Atmos. Sci., vol. 39, no. 8, p. 1726-1733,  
(Aug., 1982).
- Chang, C P; Lum, K G  
Tropical-midlatitude interactions over Asia and the  
Western Pacific Ocean during the 1983/84 northern winter  
Mon. Weather Rev., vol. 113, no. 8, p. 1345-1358,  
(Aug., 1985).
- Chang, C P; Millard, J E; Chen, G T J  
Gravitational character of cold surges during Winter  
MONEX  
Mon. Weather Rev., vol. 111, no. 2, p. 293-307,  
(Feb., 1983).
- Chou, L C; Chang, C P; Williams, R T  
Numerical simulation of the Mei-Yu front  
WMO Regional Conf. on Tropical Meteorology, Tsukuba,  
Japan, Oct. 18-22, 1982.  
IN Extended abstracts of the Conf., WMO, p.  
147-148, (1982).
- Curry, W T; Elsberry, R L; Chan, J C  
An objective determination of tropical cyclone warning  
positions  
16th Technical Conf. on Hurricanes and Meteorology,  
Houston, Tex., May, 1985.  
IN Proc., Am. Meteorological Soc., p. 92-94,  
(1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Davidson, K L; Brower, D A; Fairall, C W; Schacher, G E  
Atmospheric marine boundary layer prediction for  
weapons/systems  
AFSC-NAVMAT Sci. and Eng. Symp., Wright-Patterson  
AFB, Ohio, Oct. 27-29, 1981.  
IN Proc., Naval Material Command, 22 p., (1982).
- Davidson, K L; Fairall, C W; Boyle, P J; Schacher, G E  
Verification of an atmospheric mixed layer model for a  
coastal region  
J. Climate and Appl. Meteorology, vol. 23, no. 4, p.  
617-636, (Apr., 1984).
- Davidson, K L; Fairall, C W  
Dynamics and modeling of aerosols in the marine  
atmospheric boundary layer  
Whitecap Workshop, Univ. College, Galway, Ireland,  
Sept., 1983.  
IN Proc., (1983).
- Davidson, K L; Garwood, R W  
Coupled oceanic and atmospheric mixed layer model  
18th General Assembly of the Int. Union of Geodesy  
and Geophysics, Symp. on Sea-Ice Modeling, Hamburg,  
F. R. G., Aug. 17-19, 1983.  
IN Proc., IUGG Inter-Disciplinary Symposia, vol.  
2, 1983.
- Davidson, K L; Garwood, R W  
Coupled oceanic and atmospheric mixed layer model  
Dynamics of Atmospheres and Oceans, vol. 8, p.  
783-796, (Nov., 1984).
- Davidson, K L; Schutz, L  
Observational results on the influence of surface layer  
stability and inversion entrainment on surface layer  
marine aerosol number density (1 m)  
Optical Eng., (Jan., 1983).
- Davidson, K L; Schutz, L  
Observational results on the influence of surface layer  
stability and inversion entrainment on surface layer  
marine aerosol number density (1 m)  
Optical Eng., vol. 22, 45-59, (1983).
- Durkee, P A  
The vertical distribution of marine aerosols inferred  
from dual-wavelength radiance measurements  
Tropical Mtg. on Optical Remote Sensing of the  
Atmosphere, Incline Village, Nev., Jan. 15-18, 1985.  
IN Proc., Optical Soc. of America, 4 p., (1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Durkee, P A; Hindman, E E; Jensen, D R; Von Der Haar, T H  
Marine aerosol optical depth from satellite detected  
radiance  
Conf. on Satellite/Remote Sensing and Applications,  
Clearwater Beach, Fla., June 25-29, 1984.  
IN Proc., AMS, p. 11-14, (1984).
- Elsberry, R L  
Recent developments in tropical cyclone track  
forecasting  
CCNAA-AIT Joint Seminar on Monsoon and Tropical  
Meteorology, Taipei, Taiwan, Apr., 1983.  
IN Proc., Coordination Council for No. Am. Affairs  
and Am. Inst. in Taiwan, p. 89-98, (1983).
- Elsberry, R L  
Results of a short course on the Advanced Tropical  
Cyclone Model  
U. S. Pacific Command Tropical Cyclone Conf., Guam,  
Marianas Islands, 1985.  
IN Proc., Environmental Group, Pacific Command, p.  
204-217, (1985).
- Elsberry, R L; Adamec, D D  
Sensitivity of mixed layer predictions at Ocean Station  
Papa to atmospheric forcing parameters  
AGU Fall Mtg., San Francisco, Calif., Dec., 1982.  
IN EOS, vol. 63, no. 45, p. 1006, (Nov. '9, 1982).
- Elsberry, R L; Adamec, D D;  
Sensitivity studies with an upper ocean prediction model  
Workshop on the Predictability of Fluid Motions, La  
Jolla, Calif., Feb., 1983.  
IN Proc., Am. Inst. of Physics, p. 473-488,  
(1983).
- Elsberry, R L; Peak, J E  
Feasibility test of dynamical model forecasts of  
Southern Hemisphere tropical cyclones  
1st Int. Conf. on Southern Hemisphere Meteorology,  
Aug., 1983.  
IN Proc., AMS, p. 355-358, (1983).
- Elsberry, R L; Peak, J E  
Dynamical-statistical model forecasts of Southern  
Hemisphere tropical cyclones  
Mon. Weather Rev., vol. 122, no. 4, p. 717-724,  
(Apr., 1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Elsberry, R L; Sandgathe, S A; Winninghoff, R J  
Short-term oceanic response predicted by a mixed layer  
model forced with a sector atmospheric model  
J. Phys. Oceanogr., vol. 14, no. 1, p. 79-91, (Jan.,  
1984).
- Elsberry, R L; Warrenfeltz, L L  
Data insertion in a one dimensional ocean thermal  
structure prediction model  
Ocean Prediction Workshop, Monterey, Calif., May,  
1981.  
IN Proc., Dept. of Oceanography, Naval  
Postgraduate School, p. 208-210, (1982).
- Elsberry, R L; Warrenfeltz, L L  
Data assimilation tests with an oceanic mixed layer  
model  
J. Phys. Oceanogr., vol. 12, no. 8, p. 839-850,  
(Aug., 1982).
- Fairall, C W; Davidson, K L; Schacher, G E  
Application of a mixed layer model to aerosols in the  
coastal marine boundary layer  
1st Int. Conf. on Meteorology & Air/Sea Interaction  
of the Coastal Zone, The Hague, Netherlands, May  
10-14, 1982.  
IN Proc., AMS, (1982).
- Fairall, C W; Davidson, K L; Schacher, G E  
Meteorological models for optical properties in the  
marine atmospheric boundary layer  
Optical Eng., vol. 21, p. 847-857, (Sept., 1982).
- Fairall, C W; Davidson, K L; Schacher, G E  
An analysis of the surface production of sea salt  
aerosol  
Tellus, vol. 35B, p. 31-39, (1983).
- Fairall, C W; Davidson, K L; Schacher, G E  
Application of a mixed layer model to aerosol in the  
marine boundary layer  
Tellus, Part B, vol. 36, no. 3, p. 203-211, (1984).
- Gallacher, P C; Elsberry, R L; Garwood, R W; Bird, A A  
Simulation of the three-dimensional upper room  
temperature field in the Central North Pacific using a  
mixed layer model  
AGU Fall Mtg. San Francisco, Calif., Dec. 10, 1982.  
IN EOS, vol. 63, no. 45, p. 1006, (Nov. 9, 1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Gallacher, P C; Garwood, P W  
Wind direction and equilibrium mixed layer depth:  
General theory  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,  
1985.  
IN Proc., IUGG, p. 58, Aug., 1985).
- Gallacher, P C; Garwood, R W  
A study of rotation stress in turbulent oceanic  
planetary boundary layer  
4th Am. Meteorological Soc. Conf. on Ocean-Atmosphere  
Interaction, San Diego, Calif., June 8-10, 1982.  
IN Proc., AMS, p. 44-45, (1982).
- Garwood, R W; Gallacher, P C; Muller, P  
Wind direction and equilibrium mixed layer depth:  
General theory  
J. of Phys. Oceanogr., vol. 15, no. 10, p. 1325-1331,  
(Oct., 1985).
- Garwood, R W; Muller, P; Gallacher, P C  
A model for the equilibrium mixed layer depth in the  
Tropical Pacific  
Tropical Ocean-Atmosphere Newsletter, no. 30, p.  
10-11, (Mar., 1985).
- Garwood, R W; Muller, P; Gallacher, P C  
Wind direction and equilibrium mixed layer depth in the  
Tropical Pacific  
J. of Phys. Oceanogr., vol. 15, no. 10, p. 1332-1338,  
(Oct., 1985).
- Garwood, R W; Muller, P; Gallacher, P C  
Wind direction and equilibrium mixed layer depth in the  
Tropical Pacific  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,  
1985.  
IN Proc., IUGG, p. 122, (Aug., 1985).
- Geernaert, G L; Davidson, K L  
On the behavior of the drag coefficient in frontal  
regions  
1984 Ocean Sciences Mtg., AGU, New Orleans, La., Jan.  
23-27, 1984.  
IN EOS Trans., vol. 64, no. 52, (1983).
- Guest, P S; Davidson, K L  
Drag coefficients obtained during MIZEX-83  
1984 Ocean Sciences Mtg., AGU, New Orleans, La., Jan.  
23-27, 1984.  
IN EOS Trans., vol. 64, no. 52, (1983).



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Guymer, T H; Businger, J A; Katsaros, K B; Shaw, W J;  
Taylor, P K; Large, W G; Payne, R E  
Transfer processes at the air-sea interface  
Philosophical Trans., R. Soc. London, vol. 308, no.  
1503, p. 253-273, (Feb., 1983).
- Haney, R L  
A ten-year hindcast of large-scale sea surface  
temperature anomalies in the midlatitude North Pacific  
Ocean  
18th General Assembly of the Int. Assoc. for the  
Physical Sciences of the Ocean, Hamburg, F. R. G.,  
Aug. 15-27, 1983.  
IN 18th Gen. Assembly IAPSO Programme and  
Abstracts, p. 325, (May, 1983).
- Haney, R L  
Comment on Seasonality in the associations between  
surface temperatures over the United States and the  
North Pacific Ocean  
Mon. Weather Rev., vol. 112, no. 4, p. 868-870,  
(Apr., 1984).
- Haney, R L  
Midlatitude sea-surface temperature anomalies: A  
numerical hindcast  
J. Phys. Oceanogr., vol. 15, no. 6, p. 787-799,  
(June, 1985).
- Haney, R L; Chan, J C H  
On the 1982/3 warm event in the equatorial Pacific  
Ocean Modeling, vol. 52, p. 1-3, (Sept., 1983).
- Haney, R L; Houtman, B H; Little, W H  
The relationship between wind and sea surface  
temperature anomalies in the midlatitude North Pacific  
Ocean  
Atmosphere-Ocean, vol. 21, no. 2, p. 163-186, (1983).
- Haney, R L; Rennick, M A  
Air-sea interaction in coupled shallow water models of  
the equatorial atmosphere and ocean  
AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.  
IN EOS, vol 65, no. 45, p. 845, (1984).
- Hayes, J L; Williams, R T; Rennick, M A  
Numerical study of lee cyclogenesis  
Int. Conf. for Alpine Meteorology, Opatiga,  
Yugoslavia, Sept. 25-29, 1984.  
IN Zbornik, Meteoroloskih i Hidroloskih Radova,  
vol. 10, p. 80-83, (1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Hinsman, D E; Williams, R T; Woodward, E  
Recent advances in the Galerkin finite element method as applied to the meteorological equations on a variable grid  
4th Int. Symp. on Finite Element Methods in Flow Problems, Tokyo, Japan, July 26-29, 1982.  
IN Proc. Univ. of Tokyo Press, p. 843-850, (1982).
- Koziara, M C; Renard, R J; Thompson, W J  
Estimating marine fog probability using a model output statistics scheme  
Mon. Weather Rev., vol. 111, no. 12, p. 2333-2340, (1983).
- Lau, K M W; Boyle, J S; Chang, C P  
Anomalous diabatic heating and large-scale circulation in the tropics during the 1976-77 and 1982-83 ENSO's  
Tropical ocean-atmosphere newsletter, vol. 24, p. 12-13, (1984).
- Lau, K M W; Chang, C P; Chan, P H  
Short-term planetary-scale interactions over the tropics and midlatitudes: Part II: Winter MONEX periods  
Mon. Weather Rev., vol. 111, no. 7, p. 1372-1388, (July, 1983).
- Lim, H; Chang, C P  
A linear theory on midlatitude forcing of tropical motions during winter monsoon surges  
Int. Conf. on the Scientific Results of the Monsoon Experiment, Bali, Indonesia, Oct., 1981.  
IN Proc., WMO, p. 2/16 - 2/19, (1982).
- Lim, H; Chang, C P  
Dynamics of teleconnections and Walker circulations forced by equatorial heating  
J. Atmos. Sciences, vol. 40, no. 8, p. 1897-1915, (Aug., 1983).
- Lim, H; Chang, C P; Lau, K M W  
A theory on global responses to equatorial forcing  
WMO Regional Conf. on Tropical Meteorology, Tsukuba, Japan, Oct., 1982.  
IN Abstracts, WMO, p. 143-144, (1982).
- Liou, C -S; Elsberry, R L  
Physical processes in prediction of explosive maritime cyclogenesis  
7th Conf. on Numerical Weather Prediction, Montreal, Canada, June, 1985.  
IN Proc. Am. Meteorological Soc., p. 212-218, (1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Martin, B J; Poock, G K  
An initial implied look at stress and voice recognition  
J. of Am. Voice Input/Output Soc., vol. 1, no. 1, 10  
p., (June, 1984).
- Monahan, E C; Davidson, K L; Spiel, D E  
Whitecap aerosol productivity deduced from simulation  
tank measurements  
J. Geophys. Res., vol. 87, p. 8898-8904, (Oct.,  
1982).
- Monahan, E C; Fairall, C W; Davidson, K L; Boyle, P J  
Observed inter-relationships amongst 10 m winds, ocean  
whitecaps and marine aerosol  
Q. J. R. Meteorological Soc., vol. 109, no. 460, p.  
379-392, (Apr., 1983).
- Monahan, E C; Spiel, D E; Davidson, K L  
Model of marine aerosol generation vs. white-caps and  
wave disruption  
AMS Conf. on Aerospace and Aeronautical Meteorology,  
Omaha, Neb., June 6-9, 1983.  
IN Proc., AMS, p. 152-174, (1983).
- Neta, B; Hinsman, D E; Williams, R T  
Studies in a shallow water fluid model with topography  
11th IMAC World Cong., Oslo, Norway, Aug. 5-9, 1985.  
IN Proc., IMAC, p. 209-213, (1985).
- Nicholls, S; Shaw, W J; Hauf, T  
An intercomparison of aircraft turbulence measurements  
made during JASIN  
J. Climate and Appl. Meteorology, vol. 22, no. 9, p.  
1637-1648, (Sept., 1983).
- Nicholls, S; Brummer, B; ; Grant, A; Hauf, T; Jenkins, G;  
Readings, C; Shaw, W J  
The structure of the turbulent atmospheric boundary  
layer  
Philosophical Trans., R. Soc. London, vol. 308, no.  
1503, p. 291-309, (Feb., 1983).
- Peak, J E; Elsberry, R L  
A simplified statistical post-processing technique for  
adjusting tropical cyclone tracks  
Papers in Meteorological Res., vol. 5, p. 1-14,  
(Apr., 1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Peak, J E; Elsberry, R L  
Prediction of tropical cyclone turning and acceleration  
using empirical orthogonal function representations  
15th Tech. Conf. on Hurricanes and Tropical  
Meteorology, Miami, Fla., Jan. 9-13, 1984.  
IN Proc., AMS, p. 45-50, (1984).
- Peak, J E; Elsberry, R L  
Objective selection of optimum tropical cyclone guidance  
using a decision-tree methodology  
16th Technical Conf. on Hurricanes and Meteorology,  
Houston, Tex., May, 1985.  
IN Preprint, Am. Meteorological Soc., p. 97-98,  
(1985).
- Peak, J E; Wash, C H; Ebersole, K A; Elsberry, R L  
A study of Glas and UCLA model forecasts of explosive  
cyclogenesis  
7th Conf. on Numerical Weather Prediction, Montreal,  
Canada, June, 1985.  
IN Proc., Am. Meteorological Soc., p. 528-535,  
(1985).
- Ranelli, P H; Sandgathe, S A; Elsberry, R L  
Response of an atmospheric prediction model to  
time-dependent sea-surface temperatures  
AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.  
IN EOS, vol. 64, no. 45, p. 671, (1983).
- Renard, R J; Souders, C G  
The visibility climatology of McMurdo/Williams Field,  
Antarctica  
Am. Meteorological Soc. 10th Conf. on Weather  
Forecasting and Analysis, Clearwater Beach, Fla.,  
June 25-29, 1984.  
IN Proc., AMS, p. 98-101, (1984).
- Renard, R J; Talbot, T N  
Development of a marine surface visibility climatology  
for the North Pacific Ocean  
9th Conf. on Weather Forecasting and Analysis,  
Seattle, Wash., July, 1982.  
IN Proc., Am. Meteorological Soc., p. 465-468,  
(1982).
- Renard, R J; Thompson, W J  
Estimating visibility over the North Pacific Ocean using  
model output statistics  
Nat. Weather Digest, vol. 9, no. 2, p. 18-25, (1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Renard, R J; Thompson, W J; Hervey, S P  
Analysis of pressure, temperature and wind data from  
remote site automatic weather stations near McMurdo,  
Antarctica  
AMS 1st Int. Conf. on Southern Hemisphere Meteorology,  
Sao Jose dos Campos, Brazil, July 31-Aug. 6, 1983.  
IN Proc. Am. Meteorological Soc., p. 234-237,  
(1983).
- Rovero, P J; Liou, C -S; Elsberry, R L  
Effects of time-dependent sea-surface temperature on  
atmospheric model predictions to 10 days  
7th Conf. on Numerical Weather Prediction, Montreal,  
Canada, June, 1985.  
IN Proc. Am. Meteorological Soc., p. 362-368,  
(1985).
- Saha, K R; Chang, C P  
Development of monsoon depressions: Two contrasting  
cases  
Int. Conf. on the Scientific Results of the Monsoon  
Experiment, Bali, Indonesia, Oct., 1981.  
IN Proc., WMO, p. 4/40 - 4/43, (1982).
- Saha, K R; Chang, C P  
The baroclinic process of monsoon depressions  
Mon. Weather Rev., vol. 111, no. 7, p. 1506-1514,  
(July, 1983).
- Schacher, G E; Fairall, C W; Davidson, K L  
Atmospheric boundary layer convective mixing velocities  
in the California coastal region  
Atmos. Environment, vol. 16, p. 1183-1191, (1982).
- Schacher, G E; Skupniewicz, C E; Mikkelsen, T  
Turbulence structure on a steep hillside: Application  
to transport of a hot plume  
IN Proc., 7th Symp. on Turbulence and Diffusion,  
p. 315-318, (Nov., 1985).
- Shaffer, A R; Chang, C P; Elsberry, R L  
Long-wave forcing of equatorial penetrating winter  
monsoon cold surges  
15th Tech. Conf. on Hurricanes and Tropical  
Meteorology, Miami, Fla., Jan. 9-13, 1984.  
IN Proc., AMS, p. 427-432, (1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Shaffer, A R; Elsberry, R L  
A statistical-climatological tropical cyclone track prediction technique using an EOF representation of the synoptic forcing  
Mon. Weather Rev., vol. 110, no. 12, p. 1945-1954, (Dec., 1982).
- Shaw, W J  
Mesoscale variability of the marine boundary layer related to sea surface temperature  
Workshop on Air-Sea Interaction, Boulder, Colo., Feb. 14-18, 1983.  
IN Meeting report, ONR, (1983).
- Shaw, W J  
Intermittency and the organization of turbulence in the near-neutral marine atmospheric boundary layer  
6th Symp. on Turbulence and Diffusion, Boston, Mass., Mar. 22-25, 1983.  
IN Extended Abstracts, AMS, p. 356-359, (1983).
- Shaw, W J; Businger, J A  
Intermittency and the organization of turbulence in the near-neutral marine atmospheric boundary layer  
J. Atmos Sciences, vol. 42, no. 23, p. 2563-2584, (Dec., 1985).
- Shaw, W J; Tillman, J E  
A correction for different wet-bulb and dry-bulb response in thermocouple psychrometry  
1985 Int. Symp. on Moisture and Humidity, Washington, D.C., Apr. 15-18, 1985.  
IN Proc., Moisture and humidity 1985: Measurement and control in science and industry, (1985).
- Shay, L K; Elsberry, R L  
Observations of inertio-gravity waves in the wake of hurricane Frederic  
AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.  
IN EOS, vol. 64, no. 45, p. 739, (1983).
- Stringer, G L; Elsberry, R L; Gallacher, P C  
Some examples of cold anomaly development and evolution in the central North Pacific  
AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.  
IN EOS, vol. 64, no. 45, p. 737, (1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Swaykos, J W; Davidson, K L; Boyle, P A; Garwood, R W  
Mixed layer results from MILDEX  
AGU Fall Ann. Mtg., San Francisco, Calif., Dec.,  
1984.  
IN EOS, vol. 65, p. 942, (1984).
- Uccellini, L; Keyser, D; Wash, C H; Brill, K  
The President's Day cyclone of 18-19 February 1979:  
Influence of a tropopause fold on rapid cyclogenesis  
10th Conf. on Weather Analysis and Forecasting,  
Clearwater, Fla., June 25-29, 1984.  
IN Preprint vol., AMS, p. 614-622, (1984).
- Uccellini, L; Keysor, C; Wash, C H; Brill, K  
The President's Day Cyclone of 18-19 February 1979:  
Influence of the upstream trough amplification and  
associated tropopause fold on cyclogenesis  
Mon. Weather Rev., vol. 113, no. 6, p. 962-988,  
(June, 1985).
- Uccellini, L; Kocin, P; Peterson, R; Wash, C H; Brill, K  
The President's Day cyclone of 18-19 February 1979:  
Synoptic overview and analysis of the subtropical jet  
streak influencing the pre-cyclogenetic period  
Mon. Weather Rev., vol. 112, no. 1, p. 31-55, (Jan.,  
1984).
- Wash, C H; Calland, W  
Diagnostic study of explosive oceanic cyclogenesis  
during FGGE  
10th Conf. on Weather Analysis and Forecasting,  
Clearwater, Fla., June 25-29, 1984.  
IN Preprint vol. AMS, p. 608-613, (1984).
- Wash, C H; Chou, L C; Nelsen, C; Moren, C; Spray, L  
Satellite cloud and precipitation analysis using  
interactive computer system  
Conf. on Satellite/Remote Sensing Applications,  
Clearwater, Fla., June 25-29, 1984.  
IN Preprint vol., AMS, p. 155-159, (1984).
- Wash, C H  
Geostationary satellite cloud and precipitation analysis  
using an interactive computer system  
Newscasting-II Symp., Norrikoping, Sweden, Sept. 3-7,  
1984.  
IN Proc. European Space Agency, p. 123-127,  
(1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Wash, C H; Spray, L  
Weather analysis programs using hand calculator  
Nat. Weather Digest, vol. 10, no. 4, (Nov., 1985).
- Williams, R T; Chang, C P; Tsay, C Y; Lim, H  
Nonlinear barotropic motions in a zonally varying  
easterly jet  
Int. Conf. on the Scientific Results of the Monsoon  
Experiment, Bali, Indonesia, Oct., 1981.  
IN Proc., WMO, p. 1/53 - 1/56, (1982).
- Williams, R T; Lim, H; Chang, C P  
Nonlinear and linear effects in an easterly jet with  
downstream variation  
J. of Atmos. Sciences, vol. 41, no. 4, p. 621-636,  
(1984).
- Wilson, W E; Elsberry, R L; Peak, J E; Chan, J C  
Prediction of tropical cyclone motion based on an EOF  
representation of the environmental wind fields  
16th Technical Conf. on Hurricanes and Meteorology,  
Houston, Tex., May, 1985.  
IN Proc. Am. Meteorological Soc., p. 180-181,  
(1985).



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY  
TECHNICAL REPORTS AND NOTES

- Boyle, J S; Chang, C P  
Monthly and seasonal climatology over the global tropics  
and subtropics for the decade 1973 to 1983: Vol. 1:  
200 mb winds  
Prepared for N. O. A. A., Washington, D.C. Naval  
Postgraduate School, (NPS-63-84-006), Oct., 1984.  
172 p.
- Boyle, J S; Wash, C H  
Evaluation of the Navy Operational Global Analysis and  
Prediction System (NOGAPS), 2.1 systematic error --  
Winter, 1983/84  
Sponsored by Naval Environmental Prediction Res.  
Facility, Monterey, Calif. Naval Postgraduate  
School, (NPS-63-85-002), Nov., 1985. 69p.
- Chang, C P  
Report of a Workshop for the Winter Monsoon Experiment,  
14-15 June 1982, Monterey, California  
Sponsored by the Nat. Academy of Sciences,  
Washington, D.C. Naval Postgraduate School,  
(NPS-63-83-002), 1983. 55 p.
- Chang, C P; Lau, K M W  
Large-scale ocean-atmosphere coupling  
Prepared for Nat. Sci. Foundation, Washington, D.C.  
Naval Postgraduate School, (NPS-63-84-004), May,  
1984. 99 p.
- Daniels, A; Shaw, W J  
Calibration standards  
IN Nat. Center for Atmospheric Res.,  
(NCAR/TN-237+IA), 1984.
- Davidson, K L; Fairall, C W; Schacher, G E  
Mixed layer modeling of aerosols in the marine boundary  
layer  
Prepared for Naval Ocean Systems Center, San Diego,  
Calif. Naval Postgraduate School, (NPS-63-82-002),  
Mar., 1982. 51 p.
- Davidson, K L; Geernaert, G L  
R/V Haakon Mosby meteorological measurements/conditions  
IN CRREL, (Special rep. 84-29), 1984, p. 93-95.
- Davidson, K L; Schacher, G E; Fairall, C W; Boyle, P J;  
Brower, D A  
Marine atmosphere boundary layer modeling for tactical  
use  
Prepared for Naval Air Systems Command, AIR 370,  
Washington, D.C. Naval Postgraduate School,  
(NPS-63-82-001), Sept., 1982. 48 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

- Elsberry, R L  
A synoptic case study analysis of the ocean temperature  
Prepared for NORDA, Bay St. Louis, Miss. Naval  
Postgraduate School, (NPS-63-84-003), Jan., 1984. 75  
p.
- Elsberry, R L; Fiorino, M  
Some design considerations for an advanced tropical  
cyclone model  
Naval Environmental Prediction Res. Facility,  
(NEPRF-TR-85-03), Oct., 1985. 152 p.
- Elsberry, R L; Gallacher, P C; Bird, A A; Garwood, R W  
Deriving corrections to FNOC surface heat flux estimates  
for use in North Pacific Ocean predictions: Final  
report for period Oct., 1981 - Sept., 1982  
Prepared for Naval Ocean Res. and Develop. Activity  
(Code 320), NSTL Station, Miss. Naval Postgraduate  
School, (NPS-63-82-005), Sept., 1982. 68 p.
- Elsberry, R L; Hamilton, H D; Petit, P A  
Accuracy and operational use of medium and extended  
range numerical atmospheric forecasts: A review.  
Naval Environmental Prediction Res. Facility,  
(NEPRF-CR-85-02), Feb., 1985. 84 p.
- Elsberry, R L; Hamilton, H D; Petit, P A  
Medium Range Atmospheric Forecast System: Evaluation  
plan  
Naval Environmental Prediction Res. Facility,  
(NEPRF-CR-85-03), Feb., 1985. 40 p.
- Elsberry, R L; Hamilton, H D; Petit, P A  
Medium Range Atmospheric Forecast System: Evaluation  
report  
Naval Environmental Prediction Res. Facility,  
(NEPRF-CR-85-04), Feb., 1985. 86 p.
- Elsberry, R L; Haney, R L; Williams, R T; Bogart, R S;  
Hamilton, H D; Hinton, E F  
Ocean troposphere stratosphere forecast system  
Prepared for the Naval Environmental Prediction Res.  
Facility, Monterey, Calif. Systems and Appl. Sci.  
(SASC) Corp. (Contract no. N00228-81-C-H309), Jan.  
11, 1982. 77 p.
- Elsberry, R L; Haney, R L; Williams, R T; Bogart, R S;  
Hamilton, H D; Hinton, E F  
Ocean-troposphere-stratosphere forecast system  
Naval Environmental Prediction Res. Facility,  
(NEPRF-CR-82-04), Jan., 1982. 77 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

- Elsberry, R L; Wash, C H; Liou, C -S; Peak, J E  
Observational-numerical study of maritime extratropical  
cyclones using First Global Atmospheric Research  
Prediction Global Experiment data  
Prepared for Nat. Aeron. and Space Administration,  
Washington, D.C. Naval Postgraduate School,  
(NPS-63-85-001), May, 1985. 40 p.
- Fairall, C W; Davidson, K L; Schacher, G E  
Generation rate of marine aerosols as determined from a  
boundary layer model  
Prepared for Naval Mater. Command (EO/MET) and Naval  
Air Systems Command (AIR 370), Washington, D.C.  
Naval Postgraduate School, (NPS-63-82-003), May,  
1982. 29 p.
- Gallacher, P C; Bird, A A; Garwood, R W; Elsberry, R L  
A determination of the constants for a second-order  
closure turbulence model from geophysical data  
Prepared for Naval Ocean R & D Activity, NSTL  
Station, Miss. Naval Postgraduate School,  
(NPS-63-83-004), Sept., 1983. 35 p.
- Garwood, R W; Adamec, D D  
Model simulations of seventeen years of mixed layer  
evolution at Ocean Station Papa: Final report for  
period Oct., 1981 - Sept., 1982  
Prepared for Naval Ocean Res. and Develop. Activity  
(Code 320), NSTL Station, Miss. Naval Postgraduate  
School, (NPS-68-82-006), Nov., 1982. 37 p.
- Hendrie, L K; Knapp, W W; Lala, G G; Shaw, W J; Stamm, A  
Field environment  
IN Nat. Center for Atmospheric Res.,  
(NCAR/TN-237+IA), 1984.
- O'Brien, J J; Haney, R L; et al.  
Scientific opportunities using satellite wind stress  
measurements over the ocean  
Prepared for the Nat. Aeron. and Space Admin. by the  
Satellite Surface Stress Working Group. Fort  
Lauderdale, Fla., Nova Univ./N.Y. I.T. Press,  
(NAS-5-26714), June, 1982. 153 p.
- Peak, J E; Elsberry, R L  
Southern hemisphere application of the Navy nested  
tropical cyclone model: Final report for the period  
October, 1981 - September, 1982  
Prepared for Naval Environmental Prediction Res.  
Facility, Monterey, Calif. Naval Postgraduate  
School, (NPS-63-82-007), Dec., 1982. 48 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

- Schacher, G E; Spiel, D E; Davidson, K L; Fairall, C W  
Comparison of overwater stability classification schemes  
with measured wind direction variability  
Prepared for Outer Continental Shelf Div., Bureau of  
Land Manage., Los Angeles, Calif. Naval Postgraduate  
School, (NPS-61-82-002), 1982. 59 p.
- Schacher, G E; Spiel, D E; Fairall, C W; Davidson, K L;  
Leonard, C A; Reheis, C H  
California coastal offshore transport and diffusion  
experiments: Meteorological conditions and data  
Prepared for Outer Continental Shelf Office, Minerals  
Manage. Service, Los Angeles, Calif. Naval  
Postgraduate School, (NPS-61-82-007), 1982. 380 p.
- Wash, C H  
Report of the NOGAPS evaluation panel  
Prepared for Fleet Numerical Oceanographic Center,  
Monterey, Calif. Naval Postgraduate School, (Tech.  
rep.), Apr., 1982. 83 p.
- Wash, C H; Daley, C; Wells, G  
Astronaut's guide for observing meteorological phenomena  
NASA, (Tech. rep. JSC-83127), 1983. 68 p.
- Wash, C H; Spray, L; Chou, L C  
Satellite cloud and precipitation analysis using a  
minicomputer  
Sponsored by Naval Environmental Prediction Res.  
Facility, Monterey, Calif. Naval Postgraduate  
School, (NPS-63-85-003), Nov., 1985. 90p.
- Wash, C H; Spray, L A  
Weather analysis programs using HP-41CV  
Prepared for Naval Oceanographic Office, Bay St.  
Louis, Miss. Naval Postgraduate School,  
(NPS-63-84-008), Nov., 1984. 40 p.
- Williams, F R; Renard, R J; Jung, G H; Tomkins, R D;  
Picard, R R  
Forecaster's handbook for the Southern African Continent  
and Atlantic/Indian Ocean transit  
Sponsored by Naval Air Systems Command, Washington,  
D.C. Naval Environmental Prediction Res. Facility,  
(NEPRF-TR-84-08), 1985. 325 p.
- Williams, R T; Elsberry, R E; Haltiner, G J; Chang, C P;  
Rosmond, T E  
Report to the Institute of Information Industry on the  
Development of Numerical Weather Prediction at the  
Central Weather Bureau: Vol. 2: Evaluation of major  
existing operational NWP models and consideration of the  
present state of R&D  
Monterey Atmos. Sciences Lab., (Tech. rep.), Apr.,  
1983. 78 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

Winninghoff, F J; Elsberry, R L  
Some aspect of post-frontal convective areas along the  
west coast of the United States  
Prepared for NASA, Washington, D.C. Naval  
Postgraduate School, (NPS-63-84-005), Dec., 1983. 38  
p.

Winninghoff, F J; Williams, R T  
Further studies in the application of dynamic  
initialization for global prediction models with special  
attention to equatorial waves  
Naval Postgraduate School, (NPS-63-83-001), Apr.,  
1983. 43 p.

**DEPARTMENT  
OF  
NATIONAL SECURITY AFFAIRS**

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
CONFERENCE PRESENTATIONS

- Amos, J W  
Qaddafi in Chad: Soviet surrogate or nomadic  
imperialist?  
Int. Studies Assoc., Cincinnati, Ohio, Apr., 1982.
- Amos, J W  
Reagan's foreign policy in the Middle East: Strategic  
vision and collapsing options  
Int. Studies Assoc., Cincinnati, Ohio., Apr., 1982.
- Amos, J W  
Assyrians in the Middle East: Search for national  
identity  
MESA Conf., Chicago, Ill., Nov., 1983.
- Amos, J W  
Assyrians in the Middle East: Structural conditions of  
nationalism  
MESA Conf., Chicago, Ill., Nov., 1983.
- Amos, J W  
Global strategy and atomic violence: Beirut and beyond  
ISA Conf., Mexico City, Mexico, Apr., 1983.
- Amos, J W  
Libyan tribal strategy: The rural dimension of foreign  
policy  
MESA Conf., Chicago, Ill., Nov., 1983.
- Amos, J W; Stolfi, R H  
Controlling international terrorism: Alternatives  
palatable and unpalatable  
Am. Acad. of Pol. Sci. Ann. Mtg., Philadelphia,  
Penn., June, 1982.
- Buchanan, P G  
Redemocratization in Argentina, 1981-1983  
Transitions to Democracy in the Southern Cone, Univ.  
of Calif. - Santa Cruz, May 17-18, 1985.
- Buchanan, P G  
The Latin American view  
Aiding Anti-Communist Insurgencies: Ethical and  
Practical Issues, World Affairs Council Forum Series,  
Monterey, Calif., June 3, 1985.
- Frederiksen, P C; Looney, R E  
Defense and economic growth: Some further empirical  
evidence  
13th Int. Atlantic Econ. Conf., Montego Bay, Jamaica,  
Feb. 11-16, 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
CONFERENCE PRESENTATIONS (cont'd)

Frederiksen, P C; Looney, R E  
Feasibility of the Caribbean Basin Initiative: Jamaica  
as a case study  
20th Atlantic Econ. Conf., Washington, D.C., Aug.  
29-Sept. 1, 1985.

Jencks, H W  
Defending China in 1982  
Asian Studies on the Pacific Coast Ann. Conf., Univ.  
of California - Santa Cruz, June 25-27, 1982.

Jencks, H W  
China's regularized ground forces in People's war under  
modern conditions  
Modern China Res. Colloquium, Univ. of Washington -  
Seattle, Feb. 24, 1983.

Jencks, H W  
Regularization of PLA ground forces  
Chinese Defense Policy in the Eighties, Garmisch, E.  
R. G., May 2-5, 1983.

Looney, R E  
Changing the structure of the Saudi Arabian economy  
Middle East Eastern Econ. Assoc. Conf., New York, N.  
Y., Dec. 28, 1982.

Looney, R E  
The impact of Mexican fiscal policy on private sector  
expenditure  
Southern Econ. Assoc. Conf., Atlanta, Ga., Nov. 10,  
1982.

Looney, R E  
The oil question and policy optimization in Mexico  
Eastern Econ. Assoc. Mtg., Washington, D.C., Apr. 29,  
1982.

Looney, R E  
Analysis of the 1983 IMF Mexican stabilization program  
Eastern Econ. Assoc. Conf., Boston, Mass., Mar. 10,  
1983.

Looney, R E  
Impact of the world oil glut on the Saudi Arabian third  
five-year-plan - 1980-85  
Middle East Studies Assoc., Chicago, Ill., Nov. 7,  
1983.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
CONFERENCE PRESENTATIONS (cont'd)

- Looney, R E  
Saudi Arabia's recent economic performance; An optimal control assessment  
Eastern Econ. Assoc. Conf., Boston, Mass., Mar. 9, 1983.
- Looney, R E  
Monetary policy, industrialization and religion: The case of the Gulf States  
Middle East Econ. Assoc. Conf., Dallas, Tex., Dec. 28-30, 1984.
- Looney, R E  
Optimal growth paths for the Jamaican economy, 1983-90  
No. Am. Economics and Finance Assoc. Conf., Dallas, Tex., Dec. 28-30, 1984.
- Looney, R E  
Rules vs. authorities in the conduct of Saudi Arabian monetary policy  
Middle East Econ. Assoc. Conf., Dallas, Tex., Dec. 28-30, 1984.
- Looney, R E  
The feasibility of the Caribbean Basin Initiative: Jamaica as a case study  
Atlantic Econ. Conf., Washington, D.C., Aug. 29 - Sept. 1, 1985.
- Looney, R E; Frederiksen, P C  
An optimal Mexican stabilization program for the 1980s  
No. Am. Econ. Assoc. Conf., New York, N. Y., Dec. 28, 1982.
- Looney, R E; Frederiksen, P C  
The impact of public enterprises on economic growth in Latin America: The case of defense industries  
3rd Int. Mtg., North Am. Economics and Finance Assoc., Mexico City, Mexico, July, 1985.
- Magnus, R H  
Political and military challenges to the United States in the Middle East: Prospects for the coming year  
U.S. Marine Corps Financial Manage. Conf., Newport Beach, Calif., June, 1982.
- Magnus, R H  
The future of US-Saudi interests: Convergence or divergence  
Military Policy Symp. on Iran and Saudi Arabia, Strategic Studies Inst., U.S. Army War College, Carlisle, Penn., Apr., 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
CONFERENCE PRESENTATIONS (cont'd)

- Magnus, R H  
The military and politics in Afghanistan: Before and after the revolution  
Conf. on the Role of the Armed Forces in Contemporary Asia, Naval Postgraduate School, Monterey, Calif., Aug., 1982.
- Magnus, R H  
Tribal Marxism: The Soviet encounter with Afghanistan  
Int. Studies Assoc. Ann. Mtg., Cincinnati, Ohio, Mar., 1982.
- Magnus, R H  
Non-government medical aid to the Mujahidin  
1985 - The Year of Decision, A Conf. on Afghanistan, Marymount College, Arlington, Va., May 30-31, 1985.  
(Sponsored by the Federation for American Afghan Action).
- Magnus, R H  
The communist coup and background to the Soviet invasion of Afghanistan  
Afghanistan Day 1985, Old Senate Office Bldg., Washington, D.C., Mar. 21, 1985. (Sponsored by Congressional Task Force on Afghanistan, Department of State, and Committee for a Free Afghanistan.)
- Magnus, R H; Amos, J W  
Regional reactions to the RDJTF  
Int. Studies Assoc., Section on Military Studies, Ann. Mtg., U.S. Army War College, Carlisle, Penn., Oct., 1982.
- Olsen, E A  
The role of the U. S. and Japan in Korean unification  
Am. Pol. Sci. Assoc. Ann. Mtg., Denver, Colo., Sept. 5, 1982.
- Olsen, E A  
U.S. -Korean security options  
Int. Studies Assoc. Ann. Mtg., Cincinnati, Ohio, Mar. 24, 1982.
- Valenta, J  
Avoidance of conflict between the superpowers at the Soviet periphery  
12th World Conf. of the Int. Political Sci. Assoc., (IPSA), Rio de Janeiro, Brazil, Aug., 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
CONFERENCE PRESENTATIONS (cont'd)

- Valenta, J  
Empire strikes back: Falkland Islands crisis  
Atlantic Allies and Discord Outside Europe, Graduate  
School of New York City, July 7-9, 1982.
- Valenta, J  
Soviet military interventions  
20th Western Slavic Conf., Honolulu, Hawaii, Mar.  
10-24, 1982.
- Valenta, J  
Soviet strategy and policies in the Caribbean Basin  
Stability/Instability in the Caribbean Basin, Center  
for Latin Am. Studies, Pittsburgh University, Oct.  
18, 1982.
- Valenta, J  
Soviet aims, policies and alternatives  
Int. Conf. on Afghanistans's Alternatives, Monterey  
Inst. of Int. Studies, Monterey, Calif., Nov. 15-18,  
1983.
- Valenta, J  
Soviet decision making for national security  
Int. Summer Course on Nat. Security, Inst. of  
Political Sci., Christian Albrechts Univ., Kiel, F.  
R. G., July 3, 1983.
- Valenta, J  
Soviet strategy in the Caribbean Basin: Avoidance of  
conflicts between the superpowers  
ISA Congr., Mexico City, Mexico, Apr. 5-10, 1983.
- Valenta, J  
Warsaw Treaty Organization: Strategies and policies  
Int. Summer Course on Nat. Security, Inst. of  
Political Sci., Christian Albrechts Univ., Kiel, F.  
R. G., July 1, 1983.
- Valenta, J; Valenta, V  
Soviet strategy and policies in the Caribbean Basin  
AEI Public Policy Week, Washington, D.C., Dec. 7-8,  
1983.
- Yost, D S  
Arms control and European security: An overview of  
problems and prospects in START, INF, MBER, and CSCE/CDE  
Conf. on Quantitative Approaches to Arms Control,  
Hochschule der Bundeswehr, Munich, F. R. G., Apr. 15,  
1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
CONFERENCE PRESENTATIONS (cont'd)

Yost, D S,  
France's potential contributions in conventional  
contingencies in Central Europe  
European American Workshop on Evolving Soviet  
Nonnuclear Options and the Scope for NATO Responses,  
Washington, D.C., Oct. 29-30, 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
CONTRIBUTIONS TO BOOKS

- Amos, J W  
Deception and the Middle East war  
IN D. C. Daniel and K. L. Herbig, eds.:  
Strategic military deception, Elmsford, N. Y.,  
Pergamon Press, 1982, p. 317-334.
- Amos, J W  
The Iran-Iraq war: Calculus of regional conflict  
IN D. H. Partington, ed.: The Middle East  
annual: Issues and events: Vol. 1 (1981),  
Boston, Mass., G. K. Hall, 1982.
- Amos, J W; Magnus, R H; Darius, R G  
Responding to crisis in Southwest Asia: the RDJTF and  
its alternatives  
IN R. H. Magnus and J. W. Amos: Regional  
reaction to the RDJTF, Syracuse Univ. Press, N.  
Y., 1983.
- Amos, J W; Magnus, R H; Darius, R G  
The Iraq-Iran war: Conflict, linkage and spillover  
IN Amos, J. W., Darius, R. G., and Magnus, R. H.,  
eds.: Gulf security into the 1980's:  
Perceptual and strategic dimensions, Hoover  
Inst. Press, 1983.
- Burke, D P  
The defense policy of Romania  
IN Murray, D. and Viotti, eds.: The defense  
policies of nations: A comparative study, John  
Hopkins Univ. Press, 1982, p. 325 etc.
- Daniel, D C  
Navy  
IN D. Jones, ed.: Soviet armed forces review  
annual, 1982, (vol. 6), Academic Int. Press,  
1982.
- Daniel, D C  
Sino-Soviet relations in naval perspective  
IN W. T. Tow and D. Stuart, eds.: China, the  
Soviet Union and the West: Strategic and  
political dimensions for the 1980's, Boulder,  
Colo., Westview Press, 1982.
- Daniel, D C; Herbig, K L  
Chapter 1  
IN Daniel, D. C. and Herbig, K. L., eds.:  
Strategic military deception, Pergamon Press,  
1982, p. 3-30.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONTRIBUTIONS TO BOOKS (cont'd)

- Daniel, D C; Herbig, K L  
Conclusion  
IN Daniel, D. C. and Herbig, K. L., eds.:  
Strategic military deception, Pergamon Press,  
1982, p. 355-367.
- Daniel, D C; Herbig, K L  
Introduction  
IN Daniel, D. C. and Herbig, K. L., eds.:  
Strategic military deception, Pergamon Press,  
1982, p. xi-xiii.
- Daniel, D C; Herbig, K L; eds.  
Strategic military deception  
Elmsford, N. Y., Pergamon Press, 1982. 378 p.
- Jencks, H W  
From muskets to missiles: Politics and professionalism  
in the Chinese army, 1945-1981  
Boulder, Colo., Westview Press, 1982. 322 p.
- Jencks, H W  
In defense of stability: The people's liberation army  
IN H. W. Jencks and G. F. Chan, eds.: Chinese  
communist politics: Selected studies, Hong  
Kong, Asian Res. Service, 1982.
- Jencks, H W  
Strategic deception in the Chinese civil war  
IN D. C. Daniel and K. L. Herbig: Strategic  
military deception, Elmsford, N. Y., Pergamon  
Press, 1982, p. 277-291.
- Jencks, H W; Chan, G F; eds.  
Chinese communist politics: Selected studies  
Hong Kong, Asian Res. Service, 1982. 197 p.
- Laurance, E J  
Soviet arms transfers in the 1980's: Declining  
influence in Sub-Saharan Africa  
IN B. E. Arlinghaus, ed.: Arms for Africa,  
Lexington Press, 1982, p. 39-78.
- Looney, R E  
Development alternatives of Mexico: Beyond the 1980's  
New York, N. Y., Praeger Publishers, 1982. 268 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONTRIBUTIONS TO BOOKS (cont'd)

- Looney, R E  
Economic origins of the Iranian revolution  
New York, N. Y., Pergamon Press, 1982. 303 p.
- Looney, R E  
Saudi Arabia's development potential: Application of an  
Islamic growth model  
Lexington, Mass., Lexington Books, 1982. 358 p.
- Looney, R E  
Economic policy making in Mexico  
Durham, N. C., Duke Univ. Press, 1983.
- Looney, R E  
The impact of petroleum exports on the Saudi Arabian  
economy  
IN R. W. Stookey, ed.: The Arabian peninsula:  
Contemporary politics, 1983.
- Looney, R E; Frederiksen, P C  
An optimal Mexican stabilization program for the 1980's  
IN E. Ortiz, ed.: Current economic and financial  
issues of the North American and Caribbean  
countries, Mexico City, Mexico, No. Am. Econ.  
and Finance Assoc., 1983, p. 205-210.
- Magnus, R H  
Afghan events: A catalyst for Gulf cooperation  
IN R. G. Darius, ed.: Gulf security in the early  
1980's, Stanford, Calif., Hoover Inst. Press,  
1982.
- Magnus, R H  
Afghanistan and gulf security  
IN Amos, J. W., Darius, R. G., and Magnus, R. H.,  
eds.: Gulf security into the 1980's:  
Perceptual and strategic dimensions, Hoover  
Inst. Press, 1983.
- Magnus, R H  
Conclusion: Gulf security into the 1980's  
IN Amos, J. W., Darius, R. G., and Magnus, R. H.,  
eds.: Gulf security into the 1980's:  
Perceptual and strategic dimensions, Hoover  
Inst. Press, 1983.
- Magnus, R H  
Problems and prospects for United States policy toward  
Iran and Saudi Arabia in the 1980s  
IN K. A. Barlow and R. G. Darius, eds.: Iran and  
Saudi Arabia: Problems and prospects for  
United States policy in the mid-range, U. S.  
Gov't. Printing Office, 1983, p. 89-102.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONTRIBUTIONS TO BOOKS (cont'd)

- Magnus, R H  
Introduction  
IN R. H. Magnus, ed.: Afghan alternatives:  
Issues, options, and policies, New Brunswick,  
N. J., Transaction Books, 1985, p. 1-12.
- Magnus, R H; ed.  
Afghan alternatives: Issues, options and policies  
New Brunswick, N. J., Transaction Books, 1985. 221  
p.
- Magnus, R H; Naby, E  
Afghanistan: From independence to invasion  
IN D. H. Partington, ed.: The Middle East  
annual: Issues and events: Vol. 1 (1981),  
Boston, Mass., G. K. Hall, 1982.
- Olsen, E A  
How to keep human rights alive  
IN H. J. Wirada, ed.: Human rights & U. S. human  
rights policy, Washington, D.C., Am. Enterprise  
Inst., 1982.
- Olsen, E A  
Sharing responsibilities for Northeast Asian security  
IN S. S. Cho and T. H. Kwak, eds.: One hundred  
years of U.S.-Korean relations, Kyungnam Univ.  
Press, 1982.
- Valenta, J  
Czechoslovak armed forces: Origins and development  
IN J. Adelman, ed.: Communist armies and  
politics: Formation and development, Boulder,  
Colo., Westview Press, 1982, p. 47-83.
- Valenta, J  
Czechoslovakia: A proletariat embourgeoise?  
IN J. Triska and C. Gati, eds.: Labor in  
socialist societies: Blue collar workers in  
Eastern Europe, London, Eng., Allen and Unwinn,  
1982, p. 209-232.
- Valenta, J  
Deception, surprise and the USSR  
IN D. C. Daniel and K. L. Herbig, eds.: Soviet  
military deception, Elmsford, N. Y., Pergamon  
Press, 1982, 1982, p. 335-351.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
CONTRIBUTIONS TO BOOKS (cont'd)

- Valenta, J  
Soviet decisionmaking on Afghanistan  
IN W. Potter and J. Valenta, eds.: Soviet  
national security decisionmaking, London, Eng.,  
Allen and Unwin, 1982.
- Valenta, J  
Soviet policy toward Hungary and Czechoslovakia  
IN S. Terry, ed.: Soviet policy in Eastern  
Europe, Yale Univ. Press, 1982.
- Valenta, J  
The Caribbean policy of the USSR  
IN H. M. Erisman and J. Martz, eds.: Colossus  
challenged: The struggle for Caribbean  
influence, Boulder, Colo., Westview Press,  
1982, p. 47-83.
- Valenta, J  
The Soviet decisionmaking and Czechoslovak crisis  
IN W. Potter and J. Valenta, eds.: Soviet  
national security decisionmaking, London, Eng.,  
Allen and Unwin, 1982.
- Valenta, J  
The USSR, Cuba and the crisis in Central America  
IN R. Feinberg, ed.: The international aspects  
of the crisis in Central America, New York, N.  
Y., Holmes and Meyer, 1982, p. 127-159.
- Valenta, J  
Soviet decision-making and crisis in Hungary, 1956  
IN B. Kiraly, ed.: Repercussions of the  
Hungarian revolution, Boulder, Colo. Westview  
Press, 1983.
- Valenta, J  
Soviet strategy and policies in the Caribbean Basin  
IN A. Adelman, ed.: Crisis in the Caribbean  
basin, Pittsburgh Univ. Press, 1984.
- Valenta, J  
Soviet strategy and policies in the Caribbean Basin  
IN H. Wiarda, ed.: Rift and revolution: The  
Central American embroglio, Am. Enterprise  
Inst., 1984, p. 197-252.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
CONTRIBUTIONS TO BOOKS (cont'd)

- Valenta, J; Butler, S  
Soviet interest, objectives and policy options in  
Southwest Asia  
IN Shirin Tahir Sheli ed.: U.S. strategic  
interests in Southwest Asia, New York, N. Y.,  
Praeger Press, 1982, p. 93-112.
- Valenta, J; Potter, W; eds.  
Soviet national security decisionmaking  
London, Eng., Allen and Unwin, 1982. 400 p.
- Yost, D S  
French foreign and defense policies  
IN Int. Inst. for Strategic Studies, eds.:  
Strategic survey, 1981-1982, London, Eng., Int.  
Inst. for Strategic Studies, 1982, p. 61-64.
- Yost, D S  
Soviet military options regarding China  
IN W. T. Tow and D. Stuart, eds.: China, the  
Soviet Union and the West: Strategic and  
political dimensions in the 1980's, Boulder,  
Colo., Westview Press, 1982, p. 135-144.
- Yost, D S  
British and French strategic nuclear targeting  
IN D. Ball and J. Richelson, eds.: Strategic  
nuclear targeting, Cornell Univ. Press, 1983.
- Yost, D S  
Die zukunft atomarer rustungskontrolle in Europa: von  
SALT zu START und INF  
Koblenz, F. R. G., Bernard und Graefe Verlag, 1984.  
220 p.
- Yost, D S  
France and conventional defense in Central Europe  
European-American Inst. for Security Research, 1984.  
132 p.
- Yost, D S  
Arms control and European security: An overview of  
START, INF, MBFR, and CSCE/CDE  
IN R. Huber and R. Avenhaus, eds.: Quantitative  
assessment in arms control, Plenum Publ. Co.,  
New York, N. Y., 1984, p. 13-47.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
CONTRIBUTIONS TO BOOKS (cont'd)

- Yost, D S  
Rüstungskontrolle im KSZE-prozess: Zum stand der  
verhandlungen über ein mandat für eine Konferenz über  
Abrüstung in Europa auf dem Madrider Flogetreffen  
IN H. Volle and W. Wagner, eds.: Das madrider  
KSZE-folgetreffen: Der fortgang des  
KSZE-prozesses in Europa, Verlag für  
Internationale Politik, Bonn, F. R. G., 1984,  
p. 37-44.
- Yost, D S  
La France et la securite europeenne  
Presses Universitaires de France, 1985.
- Yost, D S  
French nuclear targeting  
IN D. Ball and J. Richelson, eds.: Strategic  
nuclear targeting, Cornell Univ. Press, 1985.
- Yost, D S; Green, W C  
Soviet military options regarding China  
IN W. T. Tow and D. Stuart, eds.: China, the  
Soviet Union and the West: Strategic and  
political dimensions in the 1980s, Boulder,  
Colo., Westview Press, 1982, p. 135-144.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
PUBLISHED PAPERS

- Amos, J W  
Libya in Chad: Soviet surrogate or nomadic imperialist  
Conflict, vol. 5, no. 1, p. 69-83, (1983).
- Amos, J W; Stolfi, R H  
Controlling international terrorism: Alternatives  
palatable and unpalatable  
Annals of the Am. Acad. of Political and Social Sci.,  
vol. 463, p. 69-83, (Sept., 1982).
- Buchanan, P G  
State corporatism in Argentina: Labor administration  
under Peron and Ongania  
Latin Am. Res. Rev., vol. 20, no. 1, p. 63-96,  
(Spring, 1985).
- Daniel, D C  
Implications of Soviet naval power  
Shingenron (Japanese Economic J.), vol. 5, 33 p.,  
(1982).
- Daniel, D C  
Security implications of Soviet naval power in the  
Pacific  
J. of Japanese Strategic Study Soc., (May, 1982).
- Daniel, D C; Herbig, K L  
Battle of wits  
49th MORS Mtg. on The Art and Science of Military  
Decision-making, Albuquerque, N. Mex., June 9, 1982.  
IN Proc., Military Operations Res. Soc., (1982).
- Daniel, D C; Herbig, K L  
Propositions on military deception  
J. of Strategic Studies, vol. 5, no. 1, p. 155-177,  
(Mar., 1982).
- Daniel, D C; Neely, T  
A Soviet view of Soviet naval doctrine and perceptions:  
Part 2  
U. S. Nav. Inst. Proc., p. 208G-208J, (May, 1982).
- Daniel, D C; Neely, T  
Their Navy in 1981  
U. S. Nav. Inst. Proc., p. 109-120, (Oct., 1982).
- Frederiksen, P C; Looney, R E  
Defense expenditures and economic growth in developing  
countries: Some further empirical evidence  
J. of Econ. Develop., vol. 7, no. 1, p. 113-125,  
(July, 1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

(cont'd)

- Frederiksen, P C; Looney, R E  
Defense expenditures and economic growth: Some further  
empirical evidence  
Atlantic Econ. J., vol. 10, no. 3, p. 58-59, (Sept.,  
1982).
- Frederiksen, P C; Looney, R E  
Another look at the defense spending and development  
hypothesis  
Defense Analysis, vol. 1, no. 3, (Oct./Nov., 1985).
- Frederiksen, P C; Looney, R E  
Defense expenditures and economic growth in developing  
countries: A reply  
Armed Forces and Soc., vol. 11, no. 2, p. 298-301,  
(winter, 1985).
- Jencks, H W  
Defending China in 1982  
Current History, vol. 81, no. 476, p. 246-250 and p.  
274-275, (Sept., 1982).
- Laurance, E J  
An assessment of the arms-for-oil strategy  
Conf. on Energy and Nat. Security, Nat. Defense  
Univ., Washington, D.C., Nov. 5, 1980.  
IN Proc., Nat. Defense Univ., (1982).
- Looney, R E  
Saudi Arabia's Islamic growth model  
J. of Econ. Issues, vol. 16, no. 2, p. 453-460,  
(June, 1982).
- Looney, R E  
Mexican economic performance during the Echeverria  
administration  
Bull. Latin Am. Res., vol. 2, no. 2, (May, 1983).
- Looney, R E  
Mexican policy dilemmas during the de la Madrid  
presidency  
Inter-American Econ. Affairs. vol. 37, no. 1,  
(Summer, 1983).
- Looney, R E  
Mexico economic future  
Futuries, vol. 1. no. 7, (1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

(cont'd)

- Looney, R E  
A monetarist interpretation of inflation in  
pre-revolutionary Iran  
J. of Social, Political and Econ. Studies, vol. 10,  
no. 1, p. 87-102, (Spring, 1985).
- Looney, R E  
Impact of oil revenues on the pre-revolutionary Iranian  
economy  
Middle Eastern Studies, vol. 21, no. 1, p. 61-71,  
(Jan., 1985).
- Looney, R E  
Saudi Arabia's Islamic Growth Model: Applications to  
monetary and banking policy  
J. of Social, Political and Econ. Studies, vol. 10,  
no. 2, p. 177-194, (Summer, 1985).
- Looney, R E  
The inflationary process in pre-revolutionary Iran  
J. of Developing Areas, vol. 19, no. 3, p. 329-350,  
(Apr., 1985).
- Looney, R E; Frederiksen, P C  
A programmed approach toward a regional expenditure  
policy for Mexico  
J. of Developing Areas, (1982).
- Looney, R E; Frederiksen, P C  
An optimal stabilization program for the 1980s  
No. Am. Econ. Assoc. Conf., New York, N. Y., Dec. 28,  
1982.  
IN Proc., No. Am. Econ. Assoc., (1983).
- Looney, R E; Frederiksen, P C  
Defense expenditures and economic growth in developing  
countries  
Armed Forces and Soc., vol. 9, no. 4, (Summer, 1983).
- Looney, R E; Frederiksen, P C  
Prospects for economic stability in Mexico during the de  
la Madrid presidency  
Texas Business Rev., vol. 34, no. 3, (May, 1983).
- Looney, R E; Frederiksen, P C  
The feasibility of alternative IMF-type stabilization  
programs in Mexico - 1983-87  
J. Policy Modeling, vol. 5, no. 3, (Oct., 1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
PUBLISHED PAPERS (cont'd)

- Looney, R E; Frederiksen, P C  
The impact of public enterprises on economic growth in  
Latin America: The case of defense industries  
3rd Int. Mtg., North Am. Economics and Finance  
Assoc., Mexico City, Mexico, July, 1985.  
IN Proc., (1985).
- Magnus, R H  
Arabs' kindly rejection of Reagan Peace Plan  
San Jose Mercury News (Newspaper), Perspective  
Section, (Sept. 12, 1982).
- Magnus, R H  
Brezhnev's Middle East  
San Jose Mercury News (Newspaper), Perspective  
Section, (Nov. 14, 1982).
- Magnus, R H  
Why we must remember Afghanistan  
San Jose Mercury News (Newspaper), Perspective  
Section, (Mar. 21, 1982).
- Magnus, R H  
The Hashemite Kingdom of Jordan  
IN Encyclopedia Americana, New York, N. Y.,  
Grolier, Inc., vol. 16, 1982, p. 206-214.
- Magnus, R H  
Arafat on the road to Damascus  
San Jose Mercury News (Newspaper), (July 18, 1983).
- Magnus, R H  
Oil politics  
San Jose Mercury News (Newspaper), Perspective  
Section, (Mar. 20, 1983).
- Magnus, R H  
Tribal Marxism: The Soviet encounter with Afghanistan  
Conflict, vol. 4, p. 339-368, (June, 1983).
- Magnus, R H  
Non-governmental medical aid to the Mujahidin  
1985 - The Year of Decision, A Conf. on AFghanistan,  
Marymount College, Arlington, Va., May 30-31, 1985.  
(Sponsored by the Federation for American Afghan  
Action.)  
IN Proc., (1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

(cont'd)

- Magnus, R H  
The communist coup and background to the Soviet invasion  
of Afghanistan  
Afghanistan Day 1985, Old Senate Office Bldg.,  
Washington, D.C., Mar. 21, 1985.  
IN Public diplomacy on Afghanistan, (Committee  
transcript), Congressional Task Force on  
Afghanistan, June 17, 1985, p. 40-76.
- Magnus, R H  
The Afghan stalemate: Commentary and reply  
Parameters, vol. 15, no. 2, p. 80-81, (Summer, 1985).
- Magnus, R H; Amos, J W  
Regional perceptions of the American Central Command  
(CEMTCOM)  
Conflict, vol. 5, no. 4, p. 337-353, (1985).
- Olsen, E A  
A golden rule for U.S.-Japan relations  
Asian Wall Street J., (Mar. 1, 1982).
- Olsen, E A  
America too: Let's learn from Japan's defense policy  
(Amerika mo Nihon no boei seisaku ni manabo)  
Shokun, (Aug., 1982).
- Olsen, E A  
Can U. S. keep security pledges to Asia?  
Asian Wall Street J., (June 28, 1982).
- Olsen, E A  
Higher salaries for volunteers and draft may be the  
answer  
Army, (July, 1982).
- Olsen, E A  
How Pyongyang might think it could win next round in  
Korea  
Korea and World Affairs, (Winter, 1982-83).
- Olsen, E A  
Japanese Militarism: Silver lining in a dark cloud  
Asian Wall Street J., (Nov. 1, 1982).
- Olsen, E A  
North Korea: Another candidate for ping-pong diplomacy  
Christian Sci. Monitor, (June 30, 1982).



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

(cont'd)

- Olsen, E A  
Overprotecting U. S. allies in Western Pacific  
Asia Record, (Apr. , 1982).
- Olsen, E A  
Rescuing Amerasians: A moral imperative  
Christian Sci. Monitor, (Sept. 24, 1982).
- Olsen, E A  
U.S. Korea policy: Offering Pyongyang an economic  
carrot  
J. of Northeast Asian Studies, (Jan. , 1982).
- Olsen, E A  
An American catalyst for Korean democracy  
Mon. Rev. of Korean Affairs, (Jan/Feb 1983).
- Olsen, E A  
Does anyone really want Korean reunification?  
Asian Wall Street J., (May 16, 1983).
- Olsen, E A  
Human rights and U. S. national security policy  
Ripon Forum, (July, 1983).
- Olsen, E A  
Korea's image in U. S.: A mish M\*A\*S\*H  
Asian Wall Street J., (Feb. 21, 1983).
- Olsen, E A  
Nich-bei-kan sogo anpo o nozomu  
Chuo Koron, (Feb. , 1983).
- Olsen, E A  
The American and Japanese stake in Korean unification  
J. East Asian Affairs, (Spring/Summer 1983).
- Olsen, E A  
Why not let South Korea help?  
Christian Sci. Monitor, (June 2, 1983).
- Olsen, E A; Morse, R A  
Japan's bureaucratic edge  
Foreign Policy, (Fall, 1983).
- Valenta, J  
Soviet policy toward Hungary and Czechoslovakia  
Conf. on Soviet Policy in Eastern Europe, Coun. on  
Foreign Relations, New York, N. Y., Oct. 17-18, 1980.  
IN Proc., Yale Univ. Press, 35 p., (1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
PUBLISHED PAPERS (cont'd)

- Valenta, J  
On the Falklands Crisis  
New York Times, (June 23, 1982).
- Valenta, J  
Soviet strategy in the Caribbean basin  
Nav. Rev.: Issue of Nav. Proc., p. 168-181, (May,  
1982).
- Valenta, J  
Soviet use of surprise and deception  
Survival, vol. 14, no. 2, p. 50-67, (Mar./Apr.,  
1982).
- Valenta, J  
USSR: What kind of normalization in Poland?  
Washington Q., vol. 5, no. 4, p. 105-119, (Autumn,  
1982).
- Valenta, J  
With Suslov gone  
New York Times, (Feb. 22, 1982).
- Valenta, J  
Soviet decision making for national security  
Int. Summer Course on Nat. Security, Inst. of  
Political Sci., Christian Albrechts Univ., Kiel, F.  
R. G., July 3, 1983.  
IN Proc., (1983).
- Valenta, J  
Soviet strategy and policies in the Caribbean Basin  
Stability/Instability in the Caribbean Basin, Center  
for Latin Am. Studies, Pittsburgh University, Oct.  
18, 1982.  
IN Proc., Univ. of Pittsburgh, 30 p., (1983).
- Valenta, J  
Warsaw Treaty Organization: Strategies and policies  
Int. Summer Course on Nat. Security, Inst. of  
Political Sci., Christian Albrechts Univ., Kiel, F.  
R. G., July 1, 1983.  
IN Proc., (1983).
- Valenta, J  
Abnormalization of the Eastern Bloc  
New York Times (Newspaper), editorial page, (Aug. 19,  
1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
PUBLISHED PAPERS (cont'd)

- Valenta, J  
Eastern detente?  
New York Times (Newspaper), editorial page, (May 16, 1983).
- Valenta, J  
Grenada: A friend the Russians couldn't protect  
Boston Globe (Newspaper), editorial page, (Nov. 14, 1983).
- Valenta, J  
Soviet strategy and tactics in the Caribbean Basin  
Survey, vol. 26, no. 4, p. 287-303, (Autumn, 1983).
- Valenta, J  
The explosive Soviet periphery  
Foreign Policy, no. 51, p. 84-110, (Summer, 1983).
- Valenta, J  
To halt the Afghan war  
New York Times (Newspaper), editorial page, (Dec. 29, 1983).
- Valenta, J  
Toward U.S.-Soviet prevention of crisis at the Soviet periphery  
Peaceful Coexistence (Glasgow, U.K.), vol. 21, p. 1-13, (Oct., 1983).
- Valenta, J  
Revolutionary change, Soviet intervention and normalization in East-Central Europe  
Comparative Politics, vol. 16, no. 2, p. 127-150, (Jan., 1984).
- Yost, D S  
Arms control prospects at Madrid  
World Today, vol. 38, no. 10, p. 387-394, (Oct., 1982).
- Yost, D S  
Ballistic missile defense and the Atlantic alliance  
Int. Security, vol. 7, no. 2, p. 143-174, (Fall, 1982).
- Yost, D S  
Les euromissiles et la securite de L'Europe  
Politique Int., no. 17, p. 293-305, (Fall, 1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

(cont'd)

- Yost, D S  
Maitrise des armements et Conference de Madrid  
Defense Nationale, vol. 38, p. 111-125, (Oct., 1982).
- Yost, D S  
NATO's political-military challenges  
Current History, vol. 81, no. 479, p. 401-404 and  
435-438, (Dec., 1982).
- Yost, D S  
Rüstungskontrolle im KSZE-prozess: Zustand der  
verhandlungen über ein mandat für eine Konferenz über  
Abrüstung in Europa auf dem Madrider Folgetreffen  
Europa-Archiv, (Zeitschrift für Int. Politik), vol.  
37, no. 18, p. 545-552, (Sept. 25, 1982).
- Yost, D S  
The socialists and the French defense debate  
Armed Forces and Soc., vol. 8, no. 2, p. 334-345,  
(Winter, 1982).
- Yost, D S  
Frankreichs politique in Tschad und die herausforderung  
durch Libyen  
Beiträge zur Konfliktforschung, vol. 13, no. 3, p.  
53-86, (Fall, 1983).
- Yost, D S  
French policy in Chad and the Libyan challenge  
Orbis (J. of World Affairs), vol. 27, p. 965-997,  
(Winter, 1983).
- Yost, D S  
START, INF and european security  
World Today, vol. 39, no. 11, p. 417-428, (Nov.,  
1983).
- Yost, D S  
START, INF et la securite europeenne  
Politique Etrangere, vol. 49, no. 4, (Dec., 1983).
- Yost, D S,  
France's potential contributions in conventional  
contingencies in Central Europe  
European American Workshop on Evolving Soviet  
Nonnuclear Options and the Scope for NATO Responses,  
Washington, D.C., Oct. 29-30, 1983.  
IN European-Am. Inst. for Security Res. France and  
conventional defense in Central Europe, 132 p.,  
(1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

(cont'd)

- Yost, D S  
Die sorgen der Europaer gegenüber den Amerikanischen  
planen für eine raketenabwehr  
Europa-Archiv, Zeitschrift für Internationale  
Politik, vol. 39, no. 14, p. 427-436, (July 25,  
1984).
- Yost, D S  
European anxieties about ballistic missile defense  
Washington Q., vol. 7, no. 4, p. 112-129, (Fall,  
1984).
- Yost, D S  
European-American relations and NATO's initial missile  
deployments  
Current History, vol. 83, no. 492, p. 145-148,  
184-186, (Apr., 1984).
- Yost, D S  
Les inquietudes europeennes face aux systemes de defense  
anti-missiles  
Politique etrangere, vol. 49, no. 2, p. 381-399,  
(Summer, 1984).
- Yost, D S; Glad, T C  
West Germany party politics and theater nuclear  
modernization since 1977  
Armed Forces and Soc., vol. 8, no. 4, p. 525-560,  
(Summer, 1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS  
TECHNICAL REPORTS AND NOTES

Looney, R E

A flow of funds analysis of the Jamaican economy  
Inter-American Develop. Bank, Dept. of Statistics,  
Kingston, Jamaica, (Tech. rep.) 1983. 57 p.

Magnus, R H

The Arab Gulf Cooperation Council: Threat analysis and  
strategic implications  
Int. Defense Intermetrics, (Res. report), 1983.

Yost, D S

Policy implications of West European reactions to the  
March 1983 U. S. proposals for ballistic missile defense  
Sponsored by Pan Heuristics, Marina del Rey, Calif.  
Technical report, (MDA-903-83-C-0210), 1984. 72 p.

**DEPARTMENT  
OF  
OCEANOGRAPHY**

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS

- Adamec, D D; Garwood, R W  
Model simulation of seventeen years of mixed layer  
evolution at Ocean Station Papa  
AGU Fall Mtg., San Francisco, Calif., Dec. 10, 1982.
- Aranavachapun, S; Thornton, E B  
Spatial and temporal variation of shallow water waves  
AGU Fall Mtg., San Francisco, Calif., Dec. 8-10,  
1982.
- Aranavachapun, S; Thornton, E B  
Spatial and temporal variation of shallow water waves  
AGU Mtg., San Francisco, Calif., Dec. 8-10, 1984.
- Aranuvachapun, S  
On the variation of atmospheric optical depth for remote  
sensing radiance calculations  
Joint Oceanogr. Assembly, Halifax, Nova Scotia, Can.,  
Aug., 1982.
- Aranuvachapun, S; Thornton, E B  
Spatial and temporal transformation of shallow-water  
wave energy  
Joint Oceanogr. Assembly, Halifax, Nova Scotia, Can.,  
Aug., 1982.
- Arnone, R A; Tucker, S P; Hilder, F A  
Secchi depth atlas of the world's coastlines  
SPIE Ocean Optics VII, Naval Postgraduate School,  
Monterey, Calif., June 25-28, 1984.
- Batteen, M; Haney, R L; Mooers, C N K  
Coastal and bathymetric influences on eddy generation in  
the California Current System  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.  
5-17, 1985.
- Blanchard, J L; Dunlap, C R  
Environmental acoustic studies of acoustic signal  
transmission in the wavenumber domain  
DARPA Workshop on Fixed Distribution Systems, Austin,  
Tex., Sept., 1983.
- Bourke, R H; Garrett, R P  
Spatial distributions of Arctic Sea ice  
24th Mine Development Conf., Washington, D.C., May  
14-16, 1985.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Bourke, R H; Paquette, R G; Newton, J L; Tunnicliffe, M D  
Oceanographic observations on the ice-covered Greenland shelf  
AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
- Breaker, L C; Lewis, P A W; Mooers, C N K  
Detection of an approximate 46-day cycle in SST off Central California Coast  
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Breaker, L C; McLain, D; Brainard, R  
On the representativeness of coastal SSTs off Central California Coast  
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Davidson, K L; Garwood, R W  
Coupled oceanic and atmospheric mixed layer model  
18th General Assembly of the Int. Union of Geodesy and Geophysics, Symp. on Sea-Ice Modeling, Hamburg, F. R. G., Aug. 17-19, 1983.
- Dunlap, C R  
NPS-EARG Drifting Buoy Studies  
ONR Drifting WOTAN Workshop, Nat. Center for Atmos. Res., Boulder, Colo., Mar. 13-14, 1985.
- Dunlap, C R  
Bering Sea issues, status of analyses, plans  
Operational Performance Improvement Program (OPIP) Workshop, McLean, Va., Nov. 29-30, 1983.
- Dunlap, C R; Andersen, K  
EARG Drifting Buoy Program  
Arctic Buoy Conf., Fleet Numerical Oceanogr. Center, Monterey, Calif., May 30-31, 1985.
- Dunlap, C R; Andersen, K  
Presentation of acoustic measurements of ambient sea noise during ocean storm  
IAMAP/IAPSO Assembly, Honolulu, Hawaii, Aug. 5-16, 1985.
- Dunlap, C R; Browning, D G; Powell, J W  
Shallow sound characteristics in the North Pacific: Causes, characteristics and durations  
108th Mtg., Acoustical Soc. of Am., Minneapolis, Minn., Oct. 8-12, 1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Dunlap, C R; Jung, G H  
Satellite detection of anomalies in ocean ambient noise  
104th Mtg., Acoustical Soc. of Am., Orlando, Fla.,  
Nov. 8-12, 1982.
- Dunlap, C R; Jung, G H; Leipper, D F  
Depiction of year to year changes in Bering Sea surface  
temperatures  
AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
- Dunlap, C R; Lipscombe, C D  
Environmental effects on ASW modelling and wargaming  
Use of Simulation, Models and Wargames for Training,  
Naval Training Equipment Center, Orlando, Fla., Apr.  
16-18, 1985.
- Gallacher, P C; Elsberry, R L; Garwood, R W; Bird, A A  
Simulation of the three-dimensional upper ocean  
temperature field in the Central North Pacific using a  
mixed layer model  
AGU Fall Mtg., San Francisco, Calif., Dec. 10, 1982.
- Gallacher, P C; Garwood, P W  
Wind direction and equilibrium mixed layer depth:  
General theory  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,  
1985.
- Gallacher, P C; Garwood, R W  
The interaction of planetary rotation and turbulent  
vorticity in the upper ocean mixed layer at  
mid-latitudes  
5th Conf. on Ocean-Atmosphere Interaction of the Am.  
Meteorological Soc., Miami, Fla., Jan., 1984.
- Garwood, R W; Coachman, L K  
Entrainment of tracers by the surface mixed layer  
AGU Fall Mtg., San Francisco, Calif., Dec. 7, 1982.
- Garwood, R W; Muller, P; Gallacher, P C  
Wind direction and equilibrium mixed layer depth in the  
Tropical Pacific  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,  
1985.
- Guza, R T; Thornton, E B  
Swash observations on natural beaches  
AGU Mtg., San Francisco, Calif., Dec., 1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Guza, R T; Thornton, E B; Holman, R  
Swash on steep and shallow beaches  
19th Int. Conf. of Coastal Eng., Houston, Tex., Sept.  
3-7, 1984.
- Haderlie, E C  
Possible mechanisms used by marine bivalves in  
penetrating siliceous stone  
6th Int. Cong. on Marine Corrosion and Fouling,  
Athens, Greece, Sept., 1984.
- Hochevar, A R; Bourke, R H; Hendricks, R  
Topographic signal stripping in the Norwegian Sea  
35th Naval Symp. on Underwater Acoustics, Washington,  
D.C., Oct. 31 - Nov. 3, 1983.
- Jung, G H; Cox, S A  
Satellite indicators of subsurface thermal features  
important to acoustics transmission in the ocean  
AGU Spring Mtg., Baltimore, Md., May 30 - June 3,  
1983.
- Lueck, R G; Osborn, T R  
Dissipation around the Pacific subtropical front  
Joint Oceanogr. Assembly, Halifax, Nova Scotia, Can.,  
Aug. 1-14, 1982.
- Lundell, G W; Jung, G H; Dunlap, C R  
Rapid oceanographic data gathering: Some problems in  
using remote sensing to determine the horizontal and  
vertical thermal distribution in the Northeast Pacific  
Ocean  
AGU Fall Mtg., San Francisco, Calif., Dec. 7-15,  
1982.
- Mooers, C N K; Breaker, L C  
Several aspects of interannual variability in the  
California current  
9th Climate Diagnostics Workshop, Corvallis, Oregon,  
Oct. 23, 1984.
- Mooers, C N K; Rienecker, M M  
Data assimilation studies of the synoptic/mesoscale eddy  
field in the California current system  
IAPSO/IAMAP Symp., Honolulu, Hawaii, Aug. 5-16, 1985.
- Mueller, J L  
Optical, physical biological and chemical structures of  
the mid-latitude NE Pacific Ocean during ODEX (Oct - Nov  
1982)  
18th General Assembly of the Int. Union of Geodesy  
and Geophysics, Symp. on Sea-Ice Modeling, Hamburg,  
F. R. G., Aug. 17-19, 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Mueller, J L  
Effects of water reflectance at 670 nm on Coastal Zone  
Color Scanner (CZCS) aerosol radiance estimates off the  
coast of Central California  
SPIE Ocean Optics VII, Naval Postgraduate School,  
Monterey, Calif., June 25-27, 1984.
- Mueller, J L  
Optical variability in the eastern North Pacific Ocean  
as measured by the Nimbus-7 Coastal Zone Color Scanner  
Pacific Cong. on Marine Technol., Honolulu, Hawaii,  
Apr. 24-27, 1984.
- Muller, P; Garwood, R W  
Interaction between mixed layer and interior  
AGU Fall Mtg., San Francisco, Calif., Dec. 10, 1982.
- Muller, P; Garwood, R W  
The effect of interior motions on sea surface  
temperature, mixed layer depth, and structure of the  
seasonal thermocline  
18th General Assembly of the Int. Union of Geodesy  
and Geophysics, Symp. on Sea-Ice Modeling, Hamburg,  
F. R. G., Aug. 17-19, 1983.
- Newton, J L; Bourke, R H; Paquette, R G  
Mesoscale structure of the East Greenland polar front  
18th General Assembly of the Int. Union of Geodesy  
and Geophysics, Symp. on Sea-Ice Modeling, Hamburg,  
F. R. G., Aug. 18-19, 1983.
- Oltman-Shay, J; Guza, R T; Thornton, E B  
Surf beat and edgewave modes resolved on a natural beach  
AGU Mtg., San Francisco, Calif., Dec., 1985.
- Osborn, T R  
Turbulence in the upper layer  
NATO Advance Res. Inst., Paris, France, July, 1983.
- Osborn, T R; Barber, R T; Parslow,  
Physical control of equatorial productivity  
AGU/ASLO Mtg., San Antonio, Tex., Feb. 14-19, 1982.
- Osborn, T R; Lueck, R G; Gargett, A E  
Turbulence measurements from a submarine  
Joint Oceanogr. Assembly, Halifax, Nova Scotia, Can.,  
Aug. 1-14, 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Osborn, T R; Lueck, R G; Sullivan, T C  
Diapycnal mixing in the central gyre  
Hawaiian Winter Workshop, University of Hawaii -  
Manoa, Jan., 1985.
- Paquette, R G; Bourke, R H; Newton, J L  
Finestructure and double-diffusion in the East Greenland  
polar front  
Ocean Sciences Mtg. of the Am. Geophysical Union, New  
Orleans, La., Jan. 23-27, 1984.
- Redalje, D G; Koike, I  
Nitrogen assimilation in two oceanic microflagellates in  
continuous culture  
Am. Soc. of Limnology and Oceanogr. Winter Mtg., San  
Francisco, Calif., Dec. 7-15, 1982.
- Rienecker, M M; Mooers, C N K  
Comparative spectrum analyses of surface wind stress  
field based on NDBC buoy winds and FNOC wind analyses  
1983 Symp. on Buoy Technology, New Orleans, La., Apr.  
27-29, 1983.
- Rienecker, M M; Mooers, C N K; Feliks, Y  
Dynamical forecast/hindcasts for OPTOM11  
AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
- Rienecker, M M; Mooers, C N K; Hagan, D E; Robinson, A R  
Investigation, using IR imagery and in situ data, of  
smaller mesoscale features off Northern California  
AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.
- Stanton, T P  
Internal wave forcing of the mixed layer during MILDEX  
IAMAP/IAPSO Conf., Honolulu, Hawaii, Aug., 1985.
- Swaykos, J W; Davidson, K L; Boyle, P A; Garwood, R W  
Mixed layer results from MILDEX  
AGU Fall Ann. Mtg., San Francisco, Calif., Dec.,  
1984.
- Thornton, E B  
Random wave forcing of longshore currents  
Nearshore Current Model Workshop, Newark, Del., June  
9-10, 1982.
- Thornton, E B  
Longshore sand transport distribution across surf zone  
due to random waves  
Soc. of Econ. Paleontologists and Mineralogists, San  
Jose, Calif., Aug., 1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Thornton, E B; Guza, R T  
Longshore current generated by random waves  
AGU Mtg., San Francisco, Calif., Dec., 1984.
- Thornton, E B; Wu, C -S; Guza, R T  
Breaking wave design criteria  
19th Int. Conf. of Coastal Eng., Houston, Tex., Sept.  
3-7, 1984.
- Traganza, E D; Redalje, D G; Began, M; Garwood, R W  
Dynamics and chemistry of chlorophyll blooms at  
upwelling fronts  
AGU Fall Ann. Mtg., San Francisco, Calif., Dec. 1984.
- Tucker, S P  
Bioluminescence in ASW: Stimulation of organisms by  
pressure change  
Ocean Optics VII - Classified Sessions, Naval  
Postgraduate School, Monterey, Calif., June 29, 1984.
- Willmott, A J  
Freely propagating trench waves on a beta-plane  
Joint Oceanographic Assembly, Halifax, Nova Scotia,  
Canada, Aug. 2-13, 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONTRIBUTIONS TO BOOKS

- Gallacher, P C; Elsberry, R L; Garwood, R W; Bird, A A  
A mixed layer model simulation of the three-dimensional  
upper ocean temperature field in the Central North  
Pacific  
IN I. D. Rutherford, ed.: Research activities in  
atmospheric and oceanic modeling, Geneva,  
Switzerland, WMO, 1983, p. 8.12-8.14.
- Garwood, R W  
Ocean modeling: Applications of an oceanic mixed layer  
model to both one- and two-dimensional problems  
IN I. D. Rutherford, ed.: Research activities in  
atmospheric and oceanic modeling, GARP and  
World Climate Res. Programme, 1982, 8.8 p.
- Garwood, R W  
Research activities in atmospheric and oceanic modeling  
IN I. D. Rutherford, ed.: Ocean modeling:  
Applications of an oceanic mixed layer model to  
both one and two-dimensional problems, GARP and  
World Climate Res. Programme, 1982.
- Garwood, R W  
Use of a desk top computer for local upper ocean thermal  
structure forecasts  
IN C. N. K. Mooers, S. Piacsek and A. Robinson,  
eds.: Ocean prediction: The scientific basis  
and the Navy's needs, U. S. Navy, Naval  
Postgraduate School, 1982, p. 202-207.
- Haderlie, E C  
Monitoring growth rates in wood- and rock-boring marine  
bivalves using radiographic techniques  
IN T. A. Oxley and S. Berry, eds.:  
Biodeterioration V, John Wiley & Sons, 1983, p.  
304-318.
- Haderlie, E C  
A brief overview of the effects of fouling  
IN Costlow and Tipper, eds.: Marine  
biodeterioration, an interdisciplinary study,  
Naval Inst. Press, Mar., 1984, p. 163-166.
- Mooers, C N K; Piacsek, S; Robinson, A; eds.  
Ocean prediction: The scientific basis and the Navy's  
needs (Proceedings of the Ocean Prediction Workshop,  
Monterey, Calif., May, 1981)  
U. S. Navy, Naval Postgraduate School, 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONTRIBUTIONS TO BOOKS

(cont'd)

Traganza, E D

Nutrient distribution and recurrent of coastal upwelling  
centers by satellite remote sensing: Its implications  
to primary production and the sediment record  
IN E. Suers and J. Thiede, eds.: Coastal  
upwelling: Its sediment record, Plenum Press,  
1982.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

- Adamec, D D; Garwood, R W  
Model simulation of seventeen years of mixed layer  
evolution at Ocean Station Papa  
AGU Fall Mtg., San Francisco, Calif., Dec. 10, 1982.  
IN EOS, vol. 63, no. 45, p. 1006, (Nov. 9, 1982).
- Adamec, D D; Garwood, R W  
The simulated response of an upper-ocean density front  
to local atmospheric forcing  
J. Geophys. Res., vol. 90, no. C1, p. 917-928, (Jan.,  
1985).
- Aranavachapun, S; Thornton, E B  
Spatial and temporal variation of shallow water waves  
AGU Fall Mtg., San Francisco, Calif., Dec. 8-10,  
1982.  
IN EOS, vol. 63, no. 45, p. 988, (Nov. 9, 1982).
- Aranavachapun, S; Thornton, E B  
Spatial and temporal transformation of shallow water  
waves  
J. Geophys. Res., vol. 89, no. C4, p. 6453-6465,  
(July, 1984).
- Aranuvachapun, S  
On the variation of atmospheric optical depth for remote  
sensing radiance calculations  
Remote Sensing of Environment, vol. 13, (1983).
- Arnone, R A; Tucker, S P; Hilder, F A  
Secchi depth atlas of the world's coastlines  
SPIE Ocean Optics VII, Naval Postgraduate School,  
Monterey, Calif., June 25-28, 1984.  
IN Proc., Int. Soc. for Optical Eng., SPIE, vol  
489, p. 195-201, (1984).
- Bourke, R H  
Early winter observations of the polar front  
Arctic Modeling Mtg., Univ. of Cambridge - England,  
June 21-25, 1982.  
IN Proc., Dept. of Appl. Math. and Theoretical  
Phys., Univ. of Cambridge - England, 28 p.  
(1982).
- Bourke, R H; Garrett, R P  
Spatial distributions of Arctic Sea ice  
24th Mine Development Conf., Washington, D.C., May  
14-16, 1985.  
IN Proc., (1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Bourke, R H; Holt, T H; Dunlap, C R  
Ambient noise levels in the Northeast Pacific Ocean as  
measured by aircraft dropped sonobuoys  
Underseas Ambient Noise Conf., SCALANT ASW Res.  
Center, La Spezia, Italy, May 11-14, 1982.  
IN Proc., SCALANT ASW Res. Center, (1982).
- Bourke, R H; Paquette, R G; Newton, J L; Tunnicliffe, M D  
Oceanographic observations on the ice-covered Greenland  
shelf  
AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.  
IN EOS, vol. 65, no. 45, p. 936, (1984).
- Breaker, L C; Lewis, P A W; Mooers, C N K  
Detection of an approximate 46-day cycle in SST off  
Central California Coast  
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.  
IN EOS, (1984).
- Breaker, L C; McLain, D; Brainard, R  
On the representativeness of coastal SSTs off Central  
California Coast  
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.  
IN EOS, (1984).
- Davidson, K L  
Coupled oceanic and atmospheric mixed layer model  
18th General Assembly of the Int. Union of Geodesy  
and Geophysics, Symp. on Sea-Ice Modeling, Hamburg,  
F. R. G., Aug. 17-19, 1983.  
IN Proc. IUGG Inter-Disiplinary Symposia, vol. 2,  
(1983).
- Davidson, K L; Garwood, R W  
Coupled oceanic and atmospheric mixed layer model  
Dynamics of Atmospheres and Oceans, vol. 8, p.  
783-796, (Nov., 1984).
- Dunlap, C R  
Bering Sea issues, status of analyses, plans  
Operational Performance Improvement Program (OPIP)  
Workshop, McLean, Va., Nov. 29-30, 1983.  
IN Proc. Naval Electronics Systems Command, (PDE  
124-60), p. 42-58, (Jan. 27, 1984).
- Dunlap, C R  
NPS-EARG Drifting Buoy Studies  
ONR Drifting WOTAN Workshop, Nat. Center for Atmos.  
Res., Boulder, Colo., Mar. 13-14, 1985.  
IN Drifting WOTAN Workshop Report, Nat. Center for  
Atmos. Res., p. 15-16, (1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Dunlap, C R; Andersen, K  
Presentation of acoustic measurements of ambient sea  
noise during ocean storm  
IAMAP/IAPSO Assembly, Honolulu, Hawaii, Aug. 5-16,  
1985.  
IN IAMAP/IAPSO Abstracts, p. 38, (1985).
- Dunlap, C R; Browning, D G; Powell, J W  
Shallow sound channels in the Pacific: Causes,  
characteristics and durations  
108th Mtg. of the Acoust. Soc. of Am., Minneapolis,  
Minn., Oct. 8-12, 1984.  
IN J. Acoust. Soc. Am., vol. 76, p. S84, (Fall,  
1984).
- Dunlap, C R; Jung, G H  
Satellite detection of anomalies in ocean ambient noise  
104th Mtg., Acoustical Soc. of Am., Orlando, Fla.,  
Nov. 8-12, 1982.  
IN Acoustical Soc. of Am. J., Suppl. 1, p. 5-2,  
(Fall, 1982).
- Dunlap, C R; Jung, G H; Leipper, D F  
Depiction of year to year changes in Bering Sea surface  
temperatures  
AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.  
IN EOS, vol. 65, no. 45, p. 966, (Nov. 6, 1984).
- Dunlap, C R; Leipper, D F  
A Bering Sea forecast from Oceanographic Monthly Summary  
(OMS) data  
Oceanogr. Mon. Summary, vol. 5, no. 3, p. 12-13,  
(Mar., 1985).
- Fenton, J D; Rienacker, M M  
A Fourier method for solving nonlinear water-wave  
problems: Application to solitary wave interactions  
J. of Fluid Mech., vol. 118, p. 411-443, (1982).
- Gallacher, P C; Elsberry, R L; Garwood, R W; Bird, A A  
Simulation of the three-dimensional upper ocean  
temperature field in the Central North Pacific using a  
mixed layer model  
AGU Fall Mtg., San Francisco, Calif., Dec. 10, 1982.  
IN EOS, vol. 63, no. 45, p. 1006, (Nov. 9, 1982).
- Gallacher, P C; Garwood, P W  
Wind direction and equilibrium mixed layer depth:  
General theory  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,  
1985.  
IN Proc., IUGG, p. 58, (Aug., 1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Gallacher, P C; Garwood, R W  
A study of rotation stress in turbulent oceanic  
planetary boundary layer  
4th Am. Meteorological Soc. Conf. on  
Ocean-Atmospheric Interaction, San Diego, Calif.,  
June 8-10, 1982.  
IN Proc., AMS, p. 44-45, (1982).
- Garrison, G R; Paquette, R G  
Warm water interactions in the Barrow Canyon in winter  
J. Geophys. Res., vol. 87, no. C8, p. 5853-5859,  
(July, 1982).
- Garwood, R W; Coachman, L K  
Entrainment of tracers by the surface mixed layer  
AGU Fall Mtg., San Francisco, Calif., Dec. 7, 1982.  
IN EOS, vol. 63, no. 45, p. 980, (Nov. 9, 1982).
- Garwood, R W; Gallacher, P C; Muller, P  
Wind direction and equilibrium mixed layer depth:  
General theory  
J. of Phys. Oceanogr., vol. 15, no. 10, p. 1325-1331,  
(Oct., 1985).
- Garwood, R W; Muller, P; Gallacher, P C  
Wind direction and equilibrium mixed layer depth in the  
Tropical Pacific  
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,  
1985.  
IN Proc., IUGG, p. 122, (Aug., 1985).
- Garwood, R W; Muller, P; Gallacher, P C  
A model for the equilibrium mixed layer depth in the  
Tropical Pacific  
Tropical Ocean-Atmosphere Newsletter, no. 30, p.  
10-11, (Mar., 1985).
- Garwood, R W; Muller, P; Gallacher, P C  
Wind direction and equilibrium mixed layer depth in the  
Tropical Pacific  
J. of Phys. Oceanogr., vol. 15, no. 10, p. 1332-1338,  
(Oct., 1985).
- Guza, R T; Thornton, E B  
Swash oscillations on a natural beach  
J. Geophys. Res., vol. 87, no. 1, p. 483-491, (1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Guza, R T; Thornton, E B  
Observations of surf beat  
J. Geophys. Res., vol. 89, no. C2, p. 3161-3172,  
(Mar., 1985).
- Guza, R T; Thornton, E B  
Velocity moments in nearshore  
J. of Waterway, Port, Coastal and Ocean Eng., vol. 3,  
no. 2, p. 235-256, (Mar., 1985).
- Guza, R T; Thornton, E B; Holman, R  
Swash on steep and shallow beaches  
19th Int. Coastal Eng. Conf., Houston, Tex., Sept.,  
1984.  
IN Proc., ASCE, p. 708-723, (1985).
- Haderlie, E C  
Monitoring growth rates in wood and rock boring bivalves  
using radiographic techniques  
5th Int. Biodeterioration Symp., Aberdeen, Scotland,  
Sept., 1981.  
IN Proc., London, Eng., Appl. Sci. Press, (Fall,  
1982).
- Haderlie, E C  
Depth distribution and settlement times of the molluscan  
wood borers, Bankia setacea and Xylophaga washingtona,  
in Monterey Bay  
Veliger, Vol. 25, no. 4, p. 339-342, (Apr., 1983).
- Haderlie, E C  
Long-term natural resistance of some Central American  
hardwoods to attacks by the shipworm Bankia setacea and  
the gribble Limnoria quadripunctata  
Veliger, vol. 25, no. 3, p. 182-185, (Jan., 1983).
- Haderlie, E C  
A report on the 6th International Congress on Marine  
Corrosion and Fouling, Athens, Sept., 1984.  
European Scientific Notes, (ONRL-ESN), 1984.
- Haderlie, E C  
Possible mechanisms used by marine bivalves in  
penetrating siliceous stone  
6th Int. Cong. on Marine Corrosion and Fouling,  
Athens, Greece, Sept., 1984.  
IN Proc., Nat. Tech. Univ. of Athens, (1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Jung, G H; Cox, S A  
Satellite indicators of subsurface thermal features  
important to acoustics transmission in the ocean  
AGU Spring Mtg., Baltimore, Md., May 30 - June 3,  
1983.  
IN EOS, vol. 64, no. 18, p. 232, (May 3, 1983).
- Koike, I; Redalje, D G; Ammermann, J W; Holm-Hansen, O  
High-affinity uptake of an ammonium analogue by two  
marine microflagellates from the oligotrophic Pacific  
Marine Biology, vol. 74, p. 161-168, (1983).
- Leipper, D F  
West coast marine fog: A warm or cold water phenomenon?  
1st Int. Conf. on Meteorology and Air/Sea Interaction  
of the Coastal Zone, The Hague, Netherlands, May  
10-14, 1982.  
IN Proc., AMS, p. 315-320, (1982).
- Lueck, R G; Osborn, T R  
Turbulence measurements in a submarine canyon  
Continental Shelf Res., vol. 4, p. 681-698, (1985).
- Lundell, G W; Jung, G H; Dunlap, C R  
Rapid oceanographic data gathering: Some problems in  
using remote sensing to determine the horizontal and  
vertical thermal distribution in the Northeast Pacific  
Ocean  
AGU Fall Mtg., San Francisco, Calif., Dec. 7-15,  
1982.  
IN EOS, vol., 63, no. 45, p. 1009, (Nov. 9, 1982).
- Mooers, C N K; Breaker, L C  
Several aspects of interannual variability in the  
California current  
9th Climate Diagnostics Workshop, Corvallis, Oregon,  
Oct. 23, 1984.  
IN Proc., (1984).
- Moum, J N; Lueck, R G  
Causes and implications of noise in oceanic dissipation  
measurements  
Deep-Sea Res., vol. 32, p. 379-390, (1985).
- Mueller, J L  
Analysis of satellite remote sensing systems  
Ocean Prediction Workshop '81, Naval Postgraduate  
School, Monterey, Ca., May, 1981.  
IN Proc., Ocean prediction: The scientific basis  
and the Navy's needs, NORDA, 320 p., (1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Mueller, J L  
Optical, physical, biological and chemical structures of the mid-latitude NE Pacific Ocean during ODEX (Oct - Nov 1982)  
18th General Assembly of the Inst. Union of Geodesy and Geophysics, Symp. on Sea-Ice Modeling, Hamburg, F. R. G., Aug. 17-19, 1983.  
IN Proc., IUGG Inter-Disciplinary Symposia, (1983).
- Mueller, J L  
Effects of water reflectance at 670 nm on Coastal Zone Color Scanner (CZCS) aerosol radiance estimates off the coast of Central California  
SPIE Ocean Optics VII, Naval Postgraduate School, Monterey, Calif., June 25-27, 1984  
IN Proc., SPIE, vol 489, p. 179-186, (1984).
- Mueller, J L  
Optical variability in the eastern North Pacific Ocean as measured by the Nimbus-7 Coastal Zone Color Scanner  
Pacific Cong. on Marine Technol., Honolulu, Hawaii, Apr. 24-27, 1984.  
IN Proc., 2 p., (Apr., 1984).
- Mueller, J L  
Nimbus-7 CZCS: Confirmation of its radiometric decay rate through 1982  
Appl. Optics, vol. 24, p. 1043-1047, (1985).
- Muller, P; Garwood, R W  
Interaction between mixed layer and interior  
AGU Fall Mtg., San Francisco, Calif., Dec. 10, 1982.  
IN EOS, vol. 63, no. 45, p. 1006, (Nov. 9, 1982).
- Muller, P; Garwood, R W  
The effect of interior motions on sea surface temperature, mixed layer depth, and structure of the seasonal thermocline  
18th General Assembly of the Int. Union of Geodesy and Geophysics, Symp. on Sea-Ice Modeling, Hamburg, F. R. G., Aug. 17-19, 1983.  
IN Proc., IUGG Inter-Disciplinary Symposia, vol. 1, (1983).
- Muller, P; Garwood, R W; Garner, J P  
Effect of vertical advection on the dynamics of the oceanic surface mixed layer  
Annales Geophysicae, vol. 2, no. 4, p. 387-398, (Nov., 1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Newton, J L; Bourke, R H; Paquette, R G  
Mesoscale structure of the East Greenland polar front  
18th General Assembly of the Int. Union of Geodesy  
and Geophysics, Symp. on Sea-Ice Modeling, Hamburg,  
F. R. G., Aug. 18-19, 1983.  
IN Proc. IUGG Inter-Disciplinary Symposia,  
(1983).
- Osborn, T R; Lueck, R G  
Turbulence measurements from a submarine  
J. of Phys. Oceanogr., vol. 15, p. 1501-1520, (1985).
- Osborn, T R; Lueck, R G; Sullivan, T C  
Diapycnal mixing in the central gyre  
Hawaiian Winter Workshop, University of Hawaii -  
Manoa, Jan., 1985.  
IN Proc., (1985).
- Paquette, R G; Bourke, R H; Newton, J L  
Finestructure and double-diffusion in the East Greenland  
polar front  
Ocean Sciences Mtg. of the Am. Geophysical Union, New  
Orleans, La., Jan. 23-27, 1984.  
IN EOS, vol. 64, no. 52, p. 1059, (Dec. 27, 1983).
- Paquette, R G; Bourke, R H; Newton, J L; Perdue, W F  
The East Greenland polar front in autumn  
J. Geophys. Res., vol. 90, no. C3, p. 4866-4882,  
(May, 1985).
- Redalje, D G  
Phytoplankton carbon biomass and specific growth rates  
determined with the labeled chlorophyll A technique  
Marine ecology-Progress series, vol. 11, p. 217-225,  
(Mar., 1983).
- Redalje, D G; Koike, I  
Nitrogen assimilation in two oceanic microflagellates in  
continuous culture  
Am. Soc. of Limnology and Oceanogr. Winter Mtg., San  
Francisco, Calif., Dec. 7-15, 1982.  
IN EOS, vol. 63, no. 45, p. 941, (Nov. 9, 1982).
- Redalje, D G; Laws, E A  
The effects of environmental factors on the chemical and  
biochemical composition of marine diatoms: Part I:  
Light and temperature effects  
J. of Experimental Marine Biology and Ecology, vol.  
68, p. 57-79, (1983).



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Rienecker, M M; Mooers, C N K  
Comparative spectrum analyses of surface wind stress  
field based on NDBC buoy winds and FNOC wind analyses  
1983 Symp. on Buoy Technology, New Orleans, La., Apr.  
27-29, 1983.  
IN Proc. Marine Technol. Soc., p. 281-285,  
(1983).
- Rienecker, M M; Mooers, C N K; Hagan, D E; Robinson, A R  
Investigation, using IR imagery and in situ data, of  
smaller mesoscale features off Northern California  
AGU Fall Mtg. San Francisco, Calif., Dec. 5-9, 1983.  
IN EOS, (1983).
- Rienecker, M M; Mooers, C N K; Hagan, D E; Robinson, A R  
A cool anomaly off Northern California: An  
investigation using IR imagery and in situ data  
J. Geophys. Res. -- Oceans, vol. 90, p. 4807-4818,  
(1985).
- Robinson, A R; Carton, J A; Mooers, C N K; Walstad, L J;  
Carter, E F; Rienecker, M M; Smith, J A; Leslie, W G  
A real-time dynamical forecast of ocean synoptic  
mesoscale eddies  
Nature, vol. 309, no. 5971, p. 781-783, (June, 1984).
- Smith, D C; Reid, R O  
A numerical study of nonfrictional decay of mesoscale  
eddies  
J. of Phys. Oceanogr., vol. 12, no. 3, p. 244-255,  
(Mar., 1982).
- Swaykos, J W; Davidson, K L; Boyle, P A; Garwood, R W  
Mixed layer results from MILDEX  
AGU Fall Ann. Mtg., San Francisco, Calif., Dec.,  
1984.  
IN EOS, vol. 65, p. 942, (1984).
- Thornton, E B; Guza, R T  
Energy saturation and phase speed measured on a natural  
beach  
J. Geophys. Res., vol. 87, no. C12, p. 9499-9508,  
(Nov., 1982).
- Thornton, E B; Guza, R T  
Transformation of wave height distribution  
J. Geophys. Res., vol. 88, no. C10, p. 5925-5938,  
(July, 1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Thornton, E B; Wu, C -S; Guza, R T  
Breaking wave design criteria  
19th Int. Coastal Eng. Conf., Houston, Tex., Sept.,  
1984.  
IN Proc., ASCE, p. 31-41, (1985).
- Traganza, E D  
Satellite mapping of nutrients off the Central  
California Coast and 3-dimensional relationships of  
biomass in the surface layer  
Joint AGU and Am. Soc. of Limnology and Oceanogr.  
Mtg., San Francisco, Calif., Dec. 6-15, 1982.  
IN EOS Trans., AGU, vol. 63, no. 45, p. 956, (Nov.  
9, 1982).
- Traganza, E D; Redalje, D G; Began, M; Garwood, R W  
Dynamics and chemistry of chlorophyll blooms at  
upwelling fronts  
AGU Fall Ann. Mtg., San Francisco, Calif., Dec. 1984.  
IN EOS, vol. 65, p. 958, (1984).
- Willmott, A J  
Freely propagating trench waves on a beta-plane  
16th Ann. Congr. of the Canadian Meteorological and  
Oceanographic Soc., Univ. of Ottawa, May 26-28, 1982.  
IN Atmosphere-Ocean, vol. 20, p. 57, (1982).
- Wu, C -S; Liu, P L  
Finite element modeling of coastal currents  
J. of Waterway, Port, Coastal and Ocean Eng., vol.  
111, no. 2, p. 417-432, (Mar., 1985).
- Wu, C -S; Liu, P L-F  
Effects of nonlinear forces on nearshore currents  
Int. J. of Coastal Eng., vol. 8, p. 430-445, (Dec.,  
1983).
- Wu, C -S; Thornton, E B; Guza, R T  
Waves and longshore currents: Comparison of numerical  
model with field data  
J. Geophys. Res., vol. 90, no. C3, p. 4951-4958,  
(May, 1985).
- Yamazaki, H; Herbich, J B  
Determination of wave height spectrum by means of a  
joint probability density function  
J. Geophys. Res., vol. 90, no. C2, p. 3381-3390,  
(Mar., 1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES

- Betts, G E; Bourke, R H; Schaefer, G E  
A comprehensive compilation of Northwestern Greenland  
Sea bathymetry  
Prepared for Arctic Submarine Lab. Naval  
Postgraduate School, (NPS-68-85-024), Sept., 1985.
- Bird, A A; Koob, R J; Wickham, J B; Mooers, C N K  
Hydrographic data from the slope waters off Central  
California: Final report from 26 November 1978 to 26  
June 1980  
Prepared for Minerals Management Service, Dept. of  
the Interior, Los Angeles, Calif. Naval Postgraduate  
School, (NPS-68-84-010), July, 1984. 88 p.
- Bird, A A; Wickham, J B; Bottero, J S; Pittock, G;  
Smith, R L; Mooers, C N K  
Current meter data from the slope waters off Central  
California: Final report from 25 July 1978 to 1 June  
1980  
Prepared for Minerals Management Service, Dept. of  
the Interior, Los Angeles, Calif. Naval Postgraduate  
School, (NPS-68-84-012), Aug., 1984. 324 p.
- Bourke, R H  
SCALANT Undersea Ambient Noise Conference, La Spezia,  
Italy, May 11-14, 1982  
European Scientific Notes, (ONRL-ESN), June 30, 1982.
- Bourke, R H  
Preliminary results of the oceanographic cruise of USCGC  
NORTHWIND to the Greenland Sea, August-September 1984  
Prepared for Arctic Submarine Lab. Naval  
Postgraduate School, (NPS-68-84-019), Dec., 1984.
- Bourke, R H; Paquette, R G  
MIZLANT 81 data report: Results of an oceanographic  
cruise to the Greenland Sea, October - November 1981  
Prepared for Arctic Submarine Lab. Naval  
Postgraduate School, (NPS-68-85-020), Aug., 1985.
- Bourke, R H; Paquette, R G  
MIZLANT 84 data report: Results of an oceanographic  
cruise to the Greenland Sea, August - September 1984  
Prepared for Arctic Submarine Lab. Naval  
Postgraduate School, (NPS-68-85-018), June, 1985.
- Breaker, L C; Arveson, J C; Frydenland, D; Myers, J S;  
Short, L K  
Sea surface and remotely sensed temperatures off Cape  
Mendocino, California  
Nat. Aeron. and Space Administration, (NASA Tech.  
Memo. 86712), Sept., 1985. 26 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

- Breaker, L C; Lewis, P A W  
On the detection of a 40 to 50 day oscillation in sea surface temperature along the Central California Coast  
Naval Postgraduate School, (NPS-55-85-025), Sept., 1985. 14 p.
- Colton, M C; Rienecker, M M; Wittman, P A; Kelley, E A; Mooers, C N K  
Hydrographic data from the OPTOMA Program, OPTOMA3, 10 February, 1983  
Prepared for Office of Naval Res., (Code 420), Arlington Va. Naval Postgraduate School, (NPS-68-85-002), Jan., 1985. 24 p.
- Eagle, J N; Jung, G H; Wilson, O B  
A brief study of problems relevant to acoustics in shallow water ASW scenarios  
Prepared for Naval Research Lab., Washington, D.C. Naval Postgraduate School, (NPS-61-84-003), Jan., 1984. 20 p.
- Elsberry, R L; Gallacher, P C; Bird, A A; Garwood, R W  
Deriving corrections to FNOC surface heat flux estimates for use in North Pacific Ocean predictions  
Prepared for Naval Ocean Res. and Develop. Activity (Code 320). Naval Postgraduate School, (NPS-63-82-005), Sept., 1982. 68 p.
- Gallacher, P C; Bird, A A; Garwood, R W; Elsberry, R L  
A determination of the constants of a second-order closure turbulence model from geophysical data  
Prepared for Naval Ocean R & D Activity, NSTL Station, Miss. Naval Postgraduate School, (NPS-63-83-004), Sept., 1983. 35 p.
- Garrett, R P; Bourke, R H  
Temporal and spatial distributions of Arctic Sea ice thickness and pressure ridging statistics  
Prepared for Naval Surface Weapons Center, Silver Spring, Md. Naval Postgraduate School, (NPS-68-85-009), Mar., 1985.
- Garwood, R W; Adamec, D D  
Model simulations of seventeen years of mixed layer evolution at Ocean Station Papa: Final report for period Oct., 1981 - Sept., 1982  
Prepared for Naval Ocean Res. and Develop. Activity (Code 320), NSTL Station, Miss. Naval Postgraduate School, (NPS-68-82-006), Nov., 1982. 37 p.

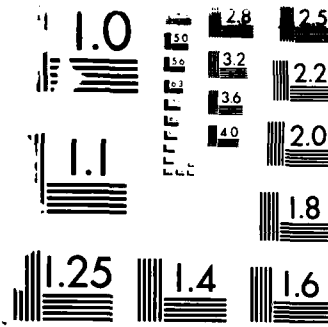
NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

- Howell, T A; Jung, G H; Dunlap, C R  
A statistical approach for determining subsurface thermal structure from sea surface temperature in the Northeast Pacific Ocean  
Prepared for Naval Ocean Systems Center, San Diego, Calif. Naval Postgraduate School, (NPS-68-83-003), June, 1983. 193 p.
- Jung, G H  
Open-ocean fog forecasting: Use of Leipper and Clark fog indices at Ocean Station Victor (34N, 134F) during July-August 1968, 1970 and 1971  
Prepared for Naval Environmental Res. Facility, Monterey, Calif. Naval Postgraduate School, (NPS-63-83-003), June, 1983. 78 p.
- Lovelace, R M; Dunlap, C R; Bourke, R H  
Comparison of narrow-band and one-third octave ambient noise measurements  
Prepared for Space and Naval Warfare Systems Command (SPAWAR 6124), Washington, D.C. Naval Postgraduate School, (NPS-68-85-019), June, 1985.
- Lueck, R G; Osborn, T R  
Dissipation measurements from the fronts: 80 Expedition  
Prepared for Office of Naval Res., Arlington, Va. University of British Columbia - Canada, Oceanogr. Dept., (Manuscript rep. no. 38), Feb., 1982. 183 p.
- Murray, C W; Mueller, J L; Zwally, H J  
Matrix partitioning and EOF/principal component analysis of antarctic sea ice brightness temperatures  
N.A.S.A., Goddard Space Flight Ctr., (NASA-TM-83916), Apr., 1984. 46 p.
- Paquette, R G; Bourke, R H; Newton, J L; Perdue, W F  
The East Greenland polar front in autumn  
Prepared for Arctic Submarine Lab. Naval Postgraduate School, (NPS-68-85-021), June, 1985.
- Rienecker, M M; Mooers, C N K; Colton, M C; Wittmann, P A  
Hydrographic data from the OPTOMA program, OPTOMA1, Mar. 8-13, 1982  
Prepared for Chief of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-68-84-005), Apr., 1984. 31 p.





RESOLUTION TEST CHART

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

- Rienecker, M M; Mooers, C N K; Colton, M C; Wittmann, P A  
Hydrographic data from the OPTOMA program, OPTOMA2, Legs  
I and II, July 31 - Aug. 14, 1982  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-68-84-002), Mar.,  
1984. 65 p.
- Rienecker, M M; Wittman, P A; Kelley, E A; Colton, M C;  
Mooers, C N K  
Hydrographic data from the OPTOMA Program, OPTOMA4, Legs  
I and II, 26 March - 10 April, 1983  
Prepared for Office of Naval Res., (Code 420),  
Arlington, Va. Naval Postgraduate School,  
(NPS-68-85-001), Jan., 1985. 69 p.
- Schacher, G E; Stanton, T P  
Mean flow and turbulence in complex terrain  
NPS/Vandenberg measurement system  
Prepared for USAF Space Div., (Code SD/CFA), Los  
Angeles, Calif., Naval Postgraduate School,  
(NPS-61-83-005), Mar., 1984. 118 p.
- Sleighter, W T; Bourke, R H; Paquette, R G  
Modeling acoustic propagation across the East Greenland  
polar front  
Prepared for Arctic Submarine Lab. Naval  
Postgraduate School, (NPS-68-84-018), Dec. 1984.
- Traganza, E D  
Design requirements for a towed ocean-water sampling  
system (TOSS)  
Prepared for Office of Naval Res., (Code 422CB),  
Arlington, Va. Naval Postgraduate School, (Tech.  
rep.), 1982.
- Tunncliffe, M D; Bourke, R H; Paquette, R G  
An investigation of the waters of the East Greenland  
current  
Prepared for Arctic Submarine Lab. Naval  
Postgraduate School, (NPS-68-85-025), Sept., 1985.
- Williams, F R; Renard, R J; Jung, G H; Tomkins, R D;  
Picard, R R  
Forecaster's handbook for the Southern African Continent  
and Atlantic/Indian Ocean transit  
Sponsored by Naval Air Systems Command, Washington,  
D.C. Naval Environmental Prediction Res. Facility,  
(NEPRF-TR-84-08), 1985. 325 p.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

- Wittman, P A; Rienecker, M M; Kelley, E A; Mooers, C N K  
Hydrographic data from the OPTOMA Program, OPTOMA7,  
17-20 November, 1983  
Prepared for Office of Naval Res., (Code 420),  
Arlington, Va., Naval Postgraduate School,  
(NPS-68-85-005), Jan., 1985. 26 p.
- Wittman, P A; Rienecker, M M; Kelley, E A; Mooers, C N K  
Hydrographic data from the OPTOMA Program, OPTOMA6, 1-5  
October, 1983  
Prepared for Office of Naval Res., (Code 420),  
Arlington, Va., Naval Postgraduate School,  
(NPS-68-85-004), Jan., 1985. 31 p.
- Wittman, P A; Rienecker, M M; Kelley, E A; Mooers, C N K  
Hydrographic data from the OPTOMA Program, OPTOMA5, Legs  
D, AI, AII, and AIII, 12 June - 20 July, 1983  
Prepared for Office of Naval Res., (Code 420),  
Arlington, Va., Naval Postgraduate School,  
(NPS-68-85-003), Jan., 1985. 99 p.
- Wittmann, P A; Rienecker, M M; Kelley, E A; Mooers, C N K  
Hydrographic data from the OPTOMA Program, OPTOMA9,  
20-25 February, 1984; OPTOMASF, 3-4 March 1984;  
OPTOMA10, 23-24 April 1984  
Prepared for Office of Naval Res., (Code 420),  
Arlington, Va., Naval Postgraduate School,  
(NPS-68-85-007), Feb., 1985. 60 p.
- Wittmann, P A; Rienecker, M M; Kelley, E A; Mooers, C N K  
Hydrographic data from the OPTOMA Program, OPTOMA11, 5  
June - 5 August 1984  
Prepared for Office of Naval Res., (Code 420),  
Arlington, Va., Naval Postgraduate School,  
(NPS-68-85-008), Mar., 1985. 208 p.
- Wittmann, P A; Rienecker, M M; Kelley, E A; Mooers, C N K  
Hydrographic data from the OPTOMA Program, OPTOMA8, 10  
and 15 December, 1983  
Prepared for Office of Naval Res., (Code 420),  
Arlington, Va., Naval Postgraduate School,  
(NPS-68-85-006), Feb., 1985. 29 p.
- Yoon, S W; Dunlap, C R; Bradfield-Smith, W L  
Preliminary investigation of optimum frequency for sound  
propagation in shallow sound channels  
Space and Naval Warfare Systems Command, Washington,  
D.C. Naval Postgraduate School, (NPS-68-85-22),  
Aug., 1985. 106 p.

**DEPARTMENT  
OF  
OPERATIONS RESEARCH**

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH  
CONFERENCE PRESENTATIONS

- Agrawal, A; Wood, R K; Lee, C -H  
Computing source-to-K-terminal reliability in directed  
acyclic networks  
Nat. Sci. Foundation Network Reliability Workshop,  
Stevens Institute, Hoboken, N. J., Aug. 24-26, 1983.
- Barr, D R  
A practical application of utility assessment  
Northern Operational Res. Conf., Sheffield, England,  
Oct., 1983.
- Battilega, J A; Grange, J K; Taylor, J G  
Soviet innovations in combat analysis: Some  
implications for the Army of the future  
50th MORS Conf., Annapolis, Md., Mar. 9, 1983.
- Bradley, G H; Brown, G G; Geoffrion, A  
Mathematical programming models for multiperiod  
production and sales planning  
ORSA/TIMS Nat. Mtg., San Diego, Calif., Oct. 25,  
1982.
- Breaker, L C; Lewis, P A W; Mooers, C N K  
Detection of an approximate 46-day cycle in SST off  
Central California Coast  
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Brown, G G  
Optimization in the military  
TIMS/ORSA Conf., Orlando, Fla., Nov. 7-8, 1983.
- Brown, G G  
Mathematical programming systems: Where do we go from  
here?  
TIMS/ORSA, Dallas, Tex., Nov. 27, 1984.
- Brown, G G; Bain, V; Toprak, A  
A case study in facility and equipment planning: Crash  
projects (and modeling) can work  
ORSA/TIMS Nat. Convention, Detroit, Mich., Apr. 21,  
1982.
- Brown, G G; Bausch, D; Graves, G W; McBride, R M  
Solving large-scale covering and set partitioning  
problems  
TIMS/ORSA Conf., Orlando, Fla., Nov. 7-8, 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Brown, G G; Duff, R; Finley, M  
Design and documentation of a microcomputer based  
network optimization system  
ORSA/TIMS Nat. Mtg., Detroit, Mich., Apr. 19, 1982.
- Brown, G G; Graves, G  
Application of a new class of decomposition to problems  
of production, inventory and distribution  
Int. Mathematical Programming Soc., Bonn, F. R. G.,  
Aug. 26, 1982.
- Brown, G G; Graves, G  
Real time dispatch of petroleum tank trucks  
Int. Manage. Sci. Achievement Award Competition,  
Detroit, Mich., Apr. 18, 1982.
- Brown, G G; Graves, G; McBride, R  
User friendly tools for interactive optimization  
(Special demonstration session)  
ORSA/TIMS Nat. Conf., San Diego, Calif., Oct. 25,  
1982.
- Brown, G G; Graves, G W; McBride, R M  
Real-time tank dispatching using integer generalized  
network programming  
TIMS/ORSA Conf., Orlando, Fla., Nov. 7-8, 1983.
- Brown, G G; Graves, G W; McBride, R M  
Real-time dispatch of petroleum tank trucks  
TIMS/ORSA Conf., Chicago, Ill., Apr. 25-26, 1983.
- Brown, G G; Graves, G W; Ronen, D  
Scheduling crude tankers  
TIMS/ORSA Conf., Chicago, Ill., Apr. 25-26, 1983.
- Brown, G G; Magoun, R; Toprak, A  
Integrated production and distribution planning in  
large-scale optimization  
NCPDM (Nat. Council on Phys. Distribution Manage.),  
New Orleans, La., Oct. 3, 1983.
- Brown, G G; McBride, R  
Efficient solution of generalized network problems  
ORSA/TIMS Nat. Mtg., Detroit, Mich., Apr. 20, 1982.
- Brown, G G; McBride, R; Wood, K  
Extracting embedded generalized network problems from  
general LP problems  
TIMS/ORSA, San Francisco, Calif., May 14, 1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Brown, G G; Rosenthal, R E  
Solving multicommodity network optimization problems  
TIMS/ORSA Conf., Orlando, Fla., Nov. 7-8, 1983.
- Brown, G G; Rosenthal, R E; Staniec, C  
Shipment planning with multi-commodity optimization  
TIMS/ORSA, Dallas, Tex., Nov. 28, 1984.
- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J;  
Strawser, P R; Tekampe, R C; Watson, R J  
Performance evaluation of a database system in multiple  
backend configurations  
4th Int. Workshop on Database Machines, Newport,  
Great Bahama Island, Mar., 1985.
- Gaver, D P; Jacobs, P A  
Some results on the availability of inspected systems  
ORSA/TIMS Joint Nat. Mtg., San Diego, Calif., Oct.,  
1982.
- Gaver, D P; Jacobs, P A  
Time to failure of structures subjected to random loads  
Am. Soc. Civil Engrs. Ann. Convention, New Orleans,  
La., Oct., 1982.
- Gaver, D P; Jacobs, P A  
Data analysis and modeling of Arctic Sea ice subsurface  
roughness: A summary  
23rd Mine Develop. Conf., Naval Surface Weapons Ctr.,  
White Oak, Md., May, 1983.
- Gaver, D P; Jacobs, P A  
Low-level stratus prediction using binary statistical  
regression: A summary of results using Moffet Field  
data  
8th Conf. on Probability and Statistics in  
Atmospheric Sciences, Hot Springs, Ark., Nov., 1983.
- Gaver, D P; Jacobs, P A  
Waiting time distributions in processor-shared computing  
systems  
TIMS/ORSA Joint Nat. Mtg., Orlando, Fla., Nov., 1983.
- Gaver, D P; Jacobs, P A; Latouche, G  
Delays in processor-shared computer systems:  
Mathematical models and numerical results  
ORSA/TIMS Joint Nat. Mtg., San Diego, Calif., Oct.,  
1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Gaver, D P; Latouche, G; Jacobs, P A  
Delays in processor-shared computer systems  
Int. Seminar on Modelling and Performance Evaluation  
Methodology, Paris, France, Jan., 1982.
- Ignizio, J P  
Multiplex models and GP  
Western Am. Inst. for Decision Sciences, Monterey,  
Calif., Mar. 16, 1985.
- Jacobs, P A; Lewis, P A W  
Stationary discrete autoregressive-moving average time  
series generated by mixtures  
Inst. of Mathematical Statistics Western Regional  
Mtg., San Diego, Calif., June, 1982.
- Jayachandran, T; Larson, H J  
The CEMS IV statistical diagnostic algorithm  
JOAP Int. Symp., Pensacola, Fla., May 17-18, 1983.
- Larson, H J  
How much is enough?  
Naval Res. Advisory Comm. Panel on Evaluation of OT &  
E Requirements and Facilities, Naval Postgraduate  
School, Monterey, Calif., July 9, 1984.
- Larson, H J; Jayachandran, T  
Some analytic ferrography analysis  
Joint Oil Analysis Program Coordinating Group,  
Lexington, Ky., Oct., 1982.
- Larson, H J; Jayachandran, T  
CEMS IV statistical diagnostics algorithm  
Int. Oil Analysis Workshop. Pensacola, Fla., May,  
1983.
- Larson, H J; Jayachandran, T  
CEMS IV Algorithm  
AF Command HQ OAP Conf., Bossier City, La., Mar.,  
1983.
- Lewis, P A W  
A gamma time series model, GLARMA(p,q), with an  
application to the analysis of wind velocity data  
Statistics Sem., Univ. of Birmingham - England, Nov.  
12, 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Lewis, P A W  
A residual analysis for time series with autoregressive structure  
AGU Fall Mtg., Special Session on Advanced Techniques in Time Series Analysis, San Francisco, Calif., Dec., 1982.
- Lewis, P A W  
Analysis and modelling of wind velocity data from ship Papa  
Inst. of Statistics, Univ. of Paris - France, Nov. 3, 1982.
- Lewis, P A W  
Exponential time series: Extensions and a residual analysis  
Yale Statistics Dept. Statistics Seminar, New Haven, Conn., Oct. 29, 1982.
- Lewis, P A W  
Exponential time series: Extensions and a residual analysis  
Bell Telephone Labs. Statistics Seminar, Murray Hill, N. J., Oct. 28, 1982.
- Lewis, P A W  
Exponential time series: Extensions and a residual analysis  
NBS Special Colloquium, Gaithersburg, Md., Oct. 27, 1982.
- Lewis, P A W  
Exponential time series: Extensions and a residual analysis  
Virginia Polytechnic Institute Statistics-Computer Sci. Colloquium, Oct. 25, 1982.
- Lewis, P A W  
Simple time series models for positive-valued random variables  
IBM Sci. Ctr. Sem., New York, N.Y., Nov. 15, 1982.
- Lewis, P A W  
A residual analysis for time series with autoregressive structure  
Statistics Sem., The Technion, Haifa, Israel, May 5, 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

Lewis, P A W  
Exponential time series: Extensions and a residual  
analysis  
Statistics Sem., Univ. of Tel-Aviv - Israel, May 9,  
1983.

Lewis, P A W  
Exponential time series: Extensions and a residual  
analysis  
Inter-College Statistics Colloquium, Univ. of London  
- England, Apr. 29, 1983.

Lewis, P A W  
Simple time series models for positive-valued random  
variables  
Undersea Surveillance Symp., Monterey, Calif., July  
20, 1983.

Lewis, P A W  
Some models for positive valued time series  
Stochastic Processes Sem., The Technion, Haifa,  
Israel, May 3, 1983.

Lewis, P A W  
Some simple approximations to point processes  
ORSA Mtg., Chicago, Ill., Apr. 25, 1983.

Lewis, P A W  
SIMTBED: A graphical testbed for the analysis of  
simulation experiments  
ASA/IMS Joint Ann. Mtg., (Poster Session), Toronto,  
Can., Aug. 16, 1983.

Lewis, P A W  
SIMTBED: A graphical testbed for the analysis of  
simulation experiments  
Computer Sci./Statistics Interface Conf., Houston,  
Tex., Mar. 18, 1983.

Lewis, P A W; Orav, E J  
Multivariate analysis of large sets of oceanographic  
data  
Statistics Sem., IBM Res. Ctr., Tel-Aviv, Israel, May  
9, 1983.

Lewis, P A W; Orav, E J  
Multivariate analysis of large sets of oceanographic  
data  
ONR Mtg. on Image Processing and Statistical  
Graphics, Arlington, Va., May 16, 1983.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Lindsay, G F  
Effectiveness measurements for an intelligence system  
52nd MORS, Ft. Leavenworth, Kans., Sept., 1984.
- Milch, P R,  
Hungary's price reform of 1979-81: An analysis and  
international comparison  
Roundtable on the Hungarian Economy, Univ. of Ind. -  
Bloomington, Mar. 21-24, 1982.
- Parry, S H  
A self-contained hierarchical simulation construct  
NATO Symp. on Modelling and Analysis of Defense  
Procedures, NATO Hdqtrs., Brussels, Belgium, July  
27-29, 1982.
- Parry, S H  
Self-contained hierarchical models  
Theory of Combat Conf., U. S. Army War College, June  
9-12, 1982.
- Parry, S H  
An alternative structure for the hierarchy of combat  
models  
Invited presentation, U. S. Army Concepts Analysis  
Agency, June 15, 1982.
- Parry, S H  
A construct for models to support joint analysis  
The Role of Combat Simulations in National Defense,  
Lawrence Livermore Nat. Labs., Livermore, Calif., May  
12-13, 1983.
- Poock, G K  
Voice input for WWMCCS command and control  
WWMCCS ADP Tech. Users Group Fall Conf., Reston, Va.,  
Nov. 16-17, 1982.
- Poock, G K  
Human factors to consider when people speak to computers  
13th Ann. Virginia Computer Users Conf., Blacksburg,  
Va., Apr. 15-16, 1983.
- Poock, G K  
Voice recognition/input in Command and Control Centers  
NAVELEX Command and Control Conf. Review, Washington,  
D.C., Aug. 12, 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Poock, G K  
Voice recognition: State of the art  
Computer Education Forum, Monterey Peninsula Unified  
School District, Monterey, Calif., Mar. 29, 1983.
- Poock, G K  
Whoa! You want me to talk to a computer?  
Western Psychological Assoc., San Francisco, Calif.,  
Apr. 28, 1983.
- Poock, G K  
Experimental evidence about what factors influence  
recognizer performance  
Toward robustness in speech recognition, Santa  
Barbara, Calif., Nov., 1984.
- Poock, G K; Roland, E F  
Voice recognition input to the Army's Tactical Fire  
Direction System (TACFIRE)  
ONR-MIT Command and Control Conf., Naval Postgraduate  
School, Monterey, Calif., Aug., 1982.
- Poock, G K; Woodard, J; Crane, C  
Full day workshop on speech recognition  
Am. Voice Input/Output Soc. Ann. Conf., Washington,  
D.C., Sept., 1984.
- Richards, F R  
Does color enhance tactical simulation assessment: An  
experiment in experimentation  
ORSA/TIMS 1982 Joint Ann. Conf., Detroit, Mich., Apr.  
18-21, 1982.
- Richards, F R  
A survey of multi-echelon inventory models  
Multi-echelon Inventory Systems, Naval Postgraduate  
School, Monterey, Calif., Mar. 12-13, 1984.
- Satyanarayana, A; Wood, R K  
Computing the reliability of normal form graphs in  
polynomial time  
TIMS/ORSA Joint Nat. Mtg., Chicago, Ill., Apr. 25-27,  
1983.
- Taylor, J G  
Optimal fire-support strategies  
TIMS/ORSA Detroit Mtg., Detroit, Mich., Apr. 21,  
1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Taylor, J G  
Some Soviet combat-modelling developments  
51st MORS Conf., AFIT, Wright-Patterson AFB, Ohio,  
Sept. 28, 1983.
- Taylor, J G  
Annihilation prediction for Lanchester-type models of  
modern warfare with logistic constraints  
TIMS/ORSA Joint Nat. Mtg., Chicago, Ill., Apr. 26,  
1983.
- Taylor, J G  
Soviet approaches to C3 analysis  
FTD/NPS C3I Symp., Monterey, Calif., June 9, 1983.
- Taylor, J G  
Soviet methodological advances in combat modelling  
TIMS/ORSA Joint Nat. Mtg., Chicago, Ill., Apr. 26,  
1983.
- Washburn, A R  
Benefits of bell-shaped actuation curves  
23rd Mine Develop. Conf., Naval Surface Weapons Ctr.,  
June, 1983.
- Wood, R K  
Reducing the complexity of computing network reliability  
using polygon-to-chain reductions  
TIMS/ORSA Joint Nat. Mtg., Chicago, Ill., Apr. 25-27,  
1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH  
CONTRIBUTIONS TO BOOKS

- Bradley, G H; Brown, G G; Graves, G  
Structural redundancy in large-scale optimization models  
(Ch. 12)  
IN S. Zions and S. Telgen, eds.: Redundancy in  
mathematical programming, Springer-Verlag,  
(Lecture notes in econ. and math. systems, v.  
206), 1982, 25 p.
- Bradley, G H; Brown, G G; Graves, G W  
Structural redundancy in large-scale optimization models  
IN M. Karwal et al., eds: Redundancy in  
mathematical programming, New York, N. Y.,  
Springer-Verlag, 1983, p. 145-169.
- Callahan, L G; Taylor, J G; eds.  
Proceedings of the 1982 Calloway Workshop on the  
Modelling and Simulation of Land Combat, Pine Mountain,  
Ga. Mar., 1982  
Georgia Inst. of Technol., 1982.
- Gaver, D P; Jacobs, P A  
Data analysis and modeling of Arctic Sea ice subsurface  
roughness: A summary in statistical signal processing  
IN E. J. Wegman and J. G. Smith, eds.:  
Statistical signal processing; New York, N. Y.,  
M. Dekker, 1984, p. 199-210.
- Ignizio, J P  
Linear programming in single and multiple objective  
systems  
Englewood Cliffs, N. J., Prentice-Hall, 1982.
- Ignizio, J P  
Introduction to Linear goal programming  
Sage Publication, (Quantitative Applications in the  
Social Sciences, no. 56), 1985. 100+ p.
- Jacobs, P A  
Discussant report of Modeling real DASD configurations,  
by D. Hunter  
IN R. Disney and T. Ott, eds.: Applied  
probability - Computer science: The interface,  
vol. 1, Cambridge, Mass., Birkhauser, 1982.
- Larson, H J  
Introduction to probability theory and statistical  
inference (Int. ed.)  
New York, N. Y., John Wiley & Sons, 1982. 637 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONTRIBUTIONS TO BOOKS (cont'd)

- Larson, H J  
Introduction to probability theory and statistical  
inference (3rd ed.)  
New York, N. Y., John Wiley & Sons, 1982. 637 p.
- Larson, H J  
Introduction to probability theory and statistical  
inference: Solutions' manual (Int. ed.)  
New York, N. Y., John Wiley & Sons, 1982. 181 p.
- Larson, H J  
Introduction to probability theory and statistical  
inference: Solutions' manual (3rd ed.)  
New York, N. Y., John Wiley & Sons, 1982. 181 p.
- Lawrance, A J; Lewis, P A W  
Generation of some first-order autoregressive sequences  
of positive random variables with given marginal  
distributions  
IN R. L. Disney and T. J. Ott, eds.: Applied  
probability-computer science: The interface,  
vol. 2, Boston, Mass., Birkhauser, 1982, p.  
353-380.
- Neil, D E; Moroney, W F  
An annotated listing of audiovisual material related to  
human factors  
Human Factors Soc. publication, Jan., 1982. 71 p.
- Taylor, J G  
Lanchester models of warfare: Vol. 2  
Military Applications Section, ORSA, 1983. 814 p.
- Taylor, J G  
Lanchester models of warfare: Vol. 1  
Military Applications Section, ORSA, 1983. 587 p.
- Taylor, J G  
An introduction to Lanchester-type models of warfare  
IN L. G. Callahan, ed.: Modeling and simulation  
of land combat, Georgia Tech. Res. Inst., 1983,  
p. 34-66.
- Taylor, J G  
Lanchester-type models that reflect continuous spatial  
distribution of forces  
IN L. G. Callahan, ed.: Modeling and simulation  
of land combat, Georgia Tech. Res. Inst., 1983,  
p. 302-312.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONTRIBUTIONS TO BOOKS (cont'd)

Zehna, P W  
Probability by calculator  
Englewood Cliffs, N. J., Prentice-Hall, Inc., 1982.  
181 p.

Zehna, P W; Barr, D R  
Statistics by calculator  
Englewood Cliffs, N. J., Prentice-Hall, Inc., 1982.  
308 p.

Zehna, P W; Barr, D R  
Probability: Modeling uncertainty  
Reading, Mass., Addison-Wesley Publ. Co., 1983. 405  
p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS

- Breaker, L C; Lewis, P A W; Mooers, C N K  
Detection of an approximate 46-day cycle in SST off  
Central California Coast  
AGU Fall Mtg. San Francisco, Calif., Dec., 1984.  
IN EOS, (1984).
- Brown, G G; McBride, R  
Solving generalized networks  
Manage. Sci., vol. 30, p. 1497-1523, (1984).
- Brown, G G; Shubert, B C  
On random binary trees  
Math of Operations Res., vol. 9, p. 43-65, (1984).
- Brown, G G; Wright, W  
Automatic identification of embedded network rows in  
large-scale optimization models  
Math. Programming, vol. 29, p. 41-56, (1984).
- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J;  
Strawser, P R; Tekampe, R C; Watson, R J  
Performance evaluation of a database system in multiple  
backend configurations  
4th Int. Workshop on Database Machines, Newport,  
Great Bahama Island, Mar., 1985.  
IN Proc., Micro-electronic and Computer Technology  
Corp., (1985).
- Eagle, J N; Pedersen, J; Marshak, W; Villedrouin, J P  
An overview of non-superpower submarine forces  
Nav. Scientific Tech. Intelligence Rev., (Feb.,  
1984).
- Eagle, J N; Pedersen, J; Villedrouin, J P  
The French Fleet Ballistic Missile Force  
Nav. Scientific Tech. Intelligence Rev., 6 p., (May,  
1984).
- Gaver, D P; Jacobs, P A  
Data analysis and modeling of Arctic Sea ice subsurface  
roughness: A summary  
ONR Workshop on Signal Processing in the Ocean  
Environment, Annapolis, Md., May, 1982.  
IN Proc., Signal processing in the ocean  
environment, (1982).
- Gaver, D P; Jacobs, P A  
Low-level stratus prediction using binary statistical  
regression: A summary of results using Moffet Field  
data  
8th Conf. on Probability and Statistics in  
Atmospheric Sciences, Hot Spring, Ark. Nov., 1983.  
IN Preprint vol., AMS, p. 148-151, (1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS

(cont'd)

- Gaver, D P; Kafadar, K  
A retrievable recipe for inverse t  
Am. Statistician, (Nov., 1984).
- Gaver, D P; Lehoczky, J P  
Channels that cooperatively service a data stream and  
voice messages  
IEEE Trans. on Communications, vol. 30, no. 5, p.  
1153-1161, (1982).
- Gaver, D P; Miller, R G  
Jackknifing the Kaplan Meier survival estimator for  
censored data simulation results and asymptotic analysis  
Communications in Statistics A: Theory and methods,  
vol. 12, p. 1701-1718, (1983).
- Hartman, J K; Parry, S H; Schoenstadt, A L  
Airland research model  
IN Proc., 52nd MORS, (1984).
- Ignizio, J P  
Multiplex models and GP  
Western Am. Inst. for Decision Sciences, Monterey,  
Calif. Mar. 16, 1985.  
IN Proc., Western AIDS, p. 267-269, (Mar. 1985).
- Ignizio, J. P.  
A generalized goal programming approach to minimal  
interference, multicriteria NXI scheduling  
Inst. of Ind. Eng. Trans., vol. 16, no. 4, p.  
316-322, (1984).
- Ignizio, J. P.  
An algorithm for solving the linear goal programming  
problem by solving its dual  
J. of Operational Res. Soc., vol. 36, no. 6, p.  
507-515, (1985).
- Ignizio, J. P.  
Integer goal programming via goal aggregation  
Large Scale Systems, vol. 8, p. 81-86, (1985).
- Jacobs, P A; Lewis, P A W  
Stationary discrete autoregressive-moving average time  
series generated by mixtures  
J. of Time Series Analysis, vol. 4, no. 1, p. 19-36,  
(1983).



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS

(cont'd)

- Larson, H J; Jayachandran, T  
CEMS IV statistical diagnostics algorithm  
Int. Oil Analysis Workshop, Pensacola, Fla., May,  
1983.  
IN Proc., JOAP Tech. Support Ctr., (1983).
- Latouche, G; Jacobs, P A; Gaver, D P  
Finite marker chains skip-free in one direction  
Nav. Res. Logistics Q., vol. 31, p. 571-580, (1984).
- Lawrance, A J; Lewis, P A W  
A mixed exponential time series  
Manage. Sci., vol. 28, no. 9, p. 1045-1053, (Sept.,  
1982).
- Mazumdar, M; Gaver, D P  
On the computation of power generating system  
reliability indices  
Technometrics, p. 173-185, (1984).
- Poock, G K  
Voice recognition boosts command terminal throughput  
Speech Technol., vol. 1, no. 2, p. 36-39, (Apr.,  
1982).
- Poock, G K  
Voice input for WWMCCS command and control  
WWMCCS ADP Tech. Users Group Fall Conf., Reston, Va.,  
Nov. 16-17, 1982.  
IN Proc., WWMCCS, (1983).
- Poock, G K  
Experimental evidence about what factors influence  
recognizer performance  
Toward robustness in speech recognition, Santa  
Barbara, Calif., Nov., 1984.  
IN Proc., (1984).
- Poock, G K; Schwalm, N D; Roland, E F  
Wearing protective masks: Effect on voice recognition  
system performance  
Voice Data Entry Systems Applications '82, San Mateo,  
Calif., Sept. 1982.  
IN Proc., Lockheed Corp., (1982).
- Poock, G K; Woodard, J; Crane, C  
Full day workshop on speech recognition  
Am. Voice Input/Output Soc. Ann. Conf., Washington,  
D.C., Sept., 1984.  
IN Proc., Getting started in voice, (1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS

(cont'd)

- Shreve, S; Lehoczky, J P; Gaver, D P  
Optimal consumption for general diffusions with  
absorbing 2 reflecting barriers  
SIAM J. on Control Optimization, vol. 22, p. 55-75,  
(1984).
- Taylor, J G  
An introduction to Lanchester-type models of warfare  
1982 Calloway Workshop on the Modelling and  
Simulation of Land Combat, Pine Mountain, Ga., Mar.  
28, 1982.  
IN Proc., Georgia Inst. of Technol., (1982).
- Taylor, J G  
Lanchester-type models that reflect continuous spatial  
distribution of forces  
1982 Calloway Workshop on the Modelling and  
Simulation of Land Combat, Pine Mountain, Ga., Mar.  
28, 1982.  
IN Proc., Georgia Inst. of Technol., (1982).
- Taylor, J G  
Analysis of the functional dependence of the modified  
parity-condition parameter on its argument for an  
important class of Lanchester-type equations for modern  
warfare  
Int. J. of Systems Sci., vol. 13, no. 2, p. 115-136,  
(Feb., 1982).
- Taylor, J G  
Annihilation prediction for Lanchester-type models of  
modern warfare with logistics constraints  
Mathematical Modelling, vol. 3, no. 4, p. 323-340,  
(Dec., 1982).
- Taylor, J G  
Improved error bounds for the Liouville-Green (or WKB)  
approximation  
J. of Mathematical Analysis and Applications, vol.  
85, no. 1, p. 78-89, (Jan., 1982).
- Taylor, J G  
Qualitative behavior of solutions to some non-linear  
Lanchester-type models that consider parallel acquisition  
of targets  
Int. J. of Systems Sci., v. 13, no. 7, p. 709-731,  
(July, 1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS

(cont'd)

- Taylor, J G  
Theoretical analysis of the general linear model for  
Lanchester-type combat between two homogeneous forces  
Nav. Res. Logistics Q., vol. 29, no. 4, p. 617-633,  
(Dec., 1982).
- Taylor, J G  
A Lanchester-type aggregated-force model of conventional  
ground combat  
Nav. Res. Logistics Q., vol. 30, no. 2, p. 237-260,  
(June, 1983).
- Taylor, J G  
Simple-approximate battle-outcome-prediction conditions  
for variable-coefficient Lanchester-type equations of  
modern warfare  
Nav. Res. Logistics Q., vol. 30, no. 1, p. 113-131,  
(Mar., 1983).
- Taylor, J G; Brown, G G  
Annihilation prediction for Lanchester-type models of  
modern warfare  
Operations Res., vol. 31, no. 4, p. 752-771,  
(July-Aug., 1983).
- Washburn, A R  
On patrolling a channel  
Nav. Res. Logistics Q., vol. 29, no. 4, p. 609-615,  
(Dec., 1982).
- Washburn, A R  
Search for a moving target: The FAB algorithm  
Operations Res., vol. 31, no. 4, p. 739-751,  
(July-Aug., 1983).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH  
TECHNICAL REPORTS AND NOTES

- Andrus, A F  
Review of ONR contractor support program  
Office of Naval Res., Apr. 27, 1982. 70 p.
- Barr, D R  
Thames barrier becomes operational  
IN Office of Naval Res. London: European  
Scientific Notes, (ESN-37-1), Jan. 31, 1983, p.  
27-28.
- Barr, D R  
International Reliability and Maintainability Conference  
IN Office of Naval Res. London: European  
Scientific Notes, (ESN-36-11), Nov. 30, 1982,  
p. 302-305.
- Barr, D R  
Operations research applications on microcomputers  
IN Office of Naval Res. London: European  
Scientific Notes, (ESN-36-12), Dec. 31, 1982,  
p. 343-345.
- Barr, D R  
Reliability work at the University of Bradford  
IN Office of Naval Res. London: European  
Scientific Notes, (ESN-36-11), Nov. 30, 1982,  
p. 310-311.
- Barr, D R  
Statistical research at the University of Birmingham  
IN Office of Naval Res. London: European  
Scientific Notes, (ESN-36-12), Dec. 31, 1982,  
p. 354-356.
- Barr, D R  
A systems approach to defense analysis  
IN Office of Naval Res. London: European  
Scientific Notes, (ESN-37-1), Jan. 31, 1983, p.  
25-26.
- Barr, D R  
Applications of the multi-armed bandit  
IN Office of Naval Res. London: European  
Scientific Notes, (ESN-37-7), July 31, 1983, p.  
285-288.
- Barr, D R  
Computational complexity research  
IN Office of Naval Res. London: European  
Scientific Notes, (ESN-37-3), Mar. 31, 1983, p.  
111-113.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Barr, D R  
Computer aided instruction  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-6), June 30, 1983, p.  
208-210.
- Barr, D R  
Environmental Extremes Meeting  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-6), June 30, 1983, p.  
232-234.
- Barr, D R  
European Congress on Operations Research  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-9), Sept. 30, 1983,  
p. 370-372.
- Barr, D R  
Management science research at Odence University  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-2), Feb. 28, 1983, p.  
71-73.
- Barr, D R  
Megalithic statistics  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-2), Feb. 28, 1983, p.  
79-83.
- Barr, D R  
Northern British Operations Research Conference  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-5), May 31, 1983. p.  
182-185.
- Barr, D R  
Operations research in an engineering production  
department  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-7), July 31, 1983, p.  
273-276.
- Barr, D R  
Royal Statistical Society  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-10), Oct., 1983, p.  
436-437.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Barr, D R  
Statistical quality control  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-8), Aug. 31, 1983, p.  
337-339.
- Barr, D R  
Statistics at the Technical University of Denmark  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-3), Mar. 31, 1983, p.  
113-116.
- Barr, D R  
Statistics at Aachen  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-4), Apr. 30, 1983, p.  
159-161.
- Barr, D R  
Statistics in Ireland  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-10), Oct., 1983, p.  
430-433.
- Barr, D R  
The Institute d'Administration des Entreprises  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-4), Apr. 30, 1983, p.  
140-143.
- Barr, D R  
The International Statistical Institute  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-9), Sept. 30, 1983,  
p. 386-388.
- Barr, D R  
The 4th Euredata Conference  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-37-5), May 31, 1983, p.  
180-182.
- Barr, D R  
Research organization in the Federal Republic of Germany  
Office of Naval Res., London, (ONRL Tech. rep.),  
Jan., 1983. 5 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Barr, D R  
Statistics, operations research, and management science  
in Europe - 1982: Summary report  
Office of Naval Res., London, (ONRL-R-2-83), Feb. 11,  
1983. 9 p.
- Barr, D R  
Information technology in the U. K.  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-38-1), Jan., 1984, p.  
60.
- Barr, D R  
New decision support system  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-38-1), Jan., 1984, p.  
41-42.
- Barr, D R  
Organization of research in Norway  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-38-3), Mar., 1984, p.  
152-153.
- Barr, D R  
Statistics research at small German universities  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-38-2), Feb., 1984, p.  
110-112.
- Barr, D R  
Storm and current prediction at IOS Bidston  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-38-4), Apr., 1984, p.  
199-202.
- Barr, D R  
The Norwegian Computing Center  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-38-3), Mar., 1984, p.  
157-159.
- Barr, D R  
Statistics and operations research in Europe - 1983:  
Summary report  
Office of Naval Res., London, (ONRL-R-3-84), Jan. 5,  
1984. 11 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Barr, D R; Hayden, B  
Statistical climatology  
IN Office of Naval Res., London: European  
Scientific Notes, (ESN-38-1), Jan., 1984, p.  
8-12.
- Boger, D C; Washburn, A R  
Notes from the Stockpile Seminar  
Naval Postgraduate School, (NPS-55-85-014), Aug.,  
1985. 36 p.
- Breaker, L C; Lewis, P A W  
On the detection of a 40 to 50 day oscillation in sea  
surface temperature along the Central California Coast  
Naval Postgraduate School, (NPS-55-85-025), Sept.,  
1985. 14 p.
- Breaker, L C; Lewis, P A W; Orav, E J  
Analysis of 12-year record of sea-surface temperatures  
off Pt. Sur, California  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-55-83-018), June,  
1983. 61 p.
- Brown, G G; Graves, G W; Honczarenko, M  
Design and operation of a multicommodity  
production/distribution system using primal goal  
decomposition  
Naval Postgraduate School, (NPS-55-83-010), May,  
1983. 24 p.
- Brown, G G; Graves, G W; Ronen, D  
Scheduling ocean transportation of crude oil  
Univ. of Missouri - St. Louis, (Tech. rep.), May,  
1983. 26 p.
- Brown, G G; McBride, K; Wood, K  
Extracting embedded generalized networks from linear  
programming problems  
Naval Postgraduate School, (NPS-55-84-020), Sept.,  
1984. 22 p.
- Brown, G G; McBride, R; Wood, K  
Extracting embedded generalized networks from linear  
programming problems  
Naval Postgraduate School, (NPS-55-84-020), Sept.,  
1984. 22 p.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J;  
Strawser, P R; Tekampe, R C; Watson, R J  
Performance evaluation of a database system in multiple  
backend configurations  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-52-84-019), Oct.,  
1984.
- Demurjian, S A; Hsiao, D K; Strawser, P R  
Design analysis and performance evaluation methodologies  
for database computers  
Sponsored by Office of Naval Res. and DOD STARS  
Program. Naval Postgraduate School, (NPS-52-85-009),  
June, 1985. 117 p.
- Eagle, J N  
A datum search measure of effectiveness  
Prepared for Commander, Submarine Develop. Sqdn. XII.  
Applied Mathematics, Inc., Gales Ferry, Conn., (Tech.  
rep.), Feb. 19, 1982. 15 p.
- Eagle, J N  
The optimal search for a moving target when the search  
path is constrained  
Naval Postgraduate School, (NPS-55-82-020), Aug.,  
1982. 15 p.
- Eagle, J N  
The modelling of spiral-search torpedoes and depth bombs  
in the Naval Wargaming System  
Prepared for Naval Electronic Systems Command (PME  
120), Washington, D.C. Naval Postgraduate School,  
(NPS-55-83-021), Aug., 1983. 17 p.
- Eagle, J N  
The approximate solution of a simple constrained search  
path moving target problem using moving horizon policies  
Prepared for Strategic Systems Project Office,  
Arlington, Va. Naval Postgraduate School,  
(NPS-55-84-009), May, 1984. 10 p.
- Eagle, J N; Jung, G H; Wilson, O B  
A brief study of problems relevant to acoustics in  
shallow water ASW scenarios  
Prepared for Naval Research Lab., Washington, D.C.  
Naval Postgraduate School, (NPS-61-84-003), Jan.,  
1984. 20 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Forrest, R N  
Programs for a multiple leg target motion analysis  
procedure  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-55-82-026), Oct.,  
1982. 32 p.
- Forrest, R N  
Programs for a single leg target motion analysis  
procedure  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-55-82-016), May,  
1982. 29 p.
- Forrest, R N  
Two motion strategies  
Prepared for Strategic Systems Project Office,  
Arlington, Va. Naval Postgraduate School,  
(NSP-71-82-001), Dec., 1982. 26 p.
- Forrest, R N  
A random tour process of known length between known end  
points  
Prepared for Strategic Systems Project Office,  
Arlington, Va. Naval Postgraduate School,  
(NPS-71-83-001), Jan., 1983. 22 p.
- Forrest, R N  
Magnetic anomaly detection models with a program for a  
Texas Instruments TI-59 calculator  
Naval Postgraduate School, (NPS-55-78-021), Sept.,  
1978, (Revised, Sept., 1983). 57 p.
- Forrest, R N  
MAD detection and the Naval Warfare Gaming System  
Prepared for Naval Electronics Systems Command,  
Washington, D.C. Naval Postgraduate School,  
(NPS-55-83-032), Nov., 1983. 28 p.
- Forrest, R N  
Programs for a target position estimation procedure  
Naval Postgraduate School, (NPS-71-83-002), Mar.,  
1983. 48 p.
- Forrest, R N  
Some notes on search, detection and localization  
modeling  
Naval Postgraduate School, (NPS-55Fo75041), Apr.,  
1975, (Revised, Nov., 1983). 37 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Forrest, R N  
Three target state estimation programs  
Prepared for Chief of Naval Res. Arlington, Va.  
Naval Postgraduate School, (NPS-55-83-027), Oct.,  
1983. 68 p.
- Forrest, R N  
Two motion strategies  
Prepared for Strategic Systems Project Office,  
Arlington, Va. Naval Postgraduate School,  
(NPS-71-82-001), Dec., 1982, (Revised, Dec., 1983).  
26 p.
- Forrest, R N  
An analysis of three post launch evasion strategies  
Prepared for Strategic Systems Project Office,  
Arlington, Va. Naval Postgraduate School,  
(NPS-71-84-001), June, 1984. 21 p.
- Forrest, R N  
An analysis of three post launch evasion strategies  
Prepared for Strategic Systems Project Office,  
Arlington, Va. Naval Postgraduate School,  
(NPS-71-84-001 (Revised)), Jan., 1985. 21 p.
- Forrest, R N  
Passive acoustic detection models and the Naval Warfare  
Gaming System  
Prepared for Naval War College, Newport, R. I. Naval  
Postgraduate School, (NPS-55-85-007), Apr., 1985. 43  
p.
- Gaver, D P  
Stochastic modeling: Ideas and techniques  
Prepared for Chief of Naval Res. Arlington, Va.  
Naval Postgraduate School, (NPS-55-82-005), Jan.  
1982. 83 p.
- Gaver, D P; Jacobs, P A  
Low-level status prediction using binary statistical  
regression: A progress report using Moffet Field data  
Prepared for NEPRF, Monterey, Calif. and Office of  
Naval Res., Arlington, Va. Naval Postgraduate  
School, (NPS-55-83-034), Dec., 1983. 77 p.
- Gaver, D P; Jacobs, P A  
Data analysis and modeling of Arctic Sea ice subsurface  
roughness  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-55-82-001), Nov.,  
1982. 65 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Gaver, D P; Jacobs, P A  
Low-level status prediction using binary statistical regression: A progress report using Moffet Field data  
Prepared for NEPRF, Monterey, Calif. and Office of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-55-83-034), Dec., 1983. 77 p.
- Gaver, D P; Jacobs, P A; Latouche, G  
Finite birth-and-death models in randomly changing environments  
Prepared for Office of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-55-82-007), Feb., 1982. 46 p.
- Gaver, D P; Jacobs, P A; Latouche, G  
The normal approximation and queue control for response times in a processor-shared computer system model  
Prepared for Office of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-55-84-001), FEB., 1984. 17 p.
- Gaver, D P; Latouche, G; Jacobs, P A  
Finite Markov chain models skip-free in one direction  
Prepared for Office of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-55-82-015), Apr., 1982. 56 p.
- Gaver, D P; Miller, R G  
Jackknifing, the Kaplan-Meier survival estimator for censored data: Simulation results and asymptotic analysis  
Prepared for Chief of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-55-82-004), Jan., 1982. 30 p.
- Hartman, J K  
A target acquisition module for the STAR combined arms combat simulation: Vol. 1: User's manual  
Sponsored by U.S. Army Training & Doctrine Command, Fort Monroe, Va. Naval Postgraduate School, (NPS-55-82-001), 1982. 35 p.
- Hartman, J K  
A target acquisition module for the STAR combined arms combat simulation: Vol. 2: Technical manual  
Sponsored by U.S. Army Training & Doctrine Command, Fort Monroe, Va. Naval Postgraduate School, (NPS-55-82-014), 1982. 106 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Hartman, J K  
Chapter 4  
IN B. Hansen, ed.: Knowledge Engineering Command  
and Control Workshop, Jet Propulsion Lab., (JPL  
D-702), Aug. 10, 1983.
- Hartman, J K  
Chapter 7  
IN J. D. Fearey and C. B. Solloway, eds.: Survey  
of selected wargames in the context of USREDCOM  
Wargaming and Simulation Systems requirements,  
Jet Propulsion Lab., (JPL D-680), Apr. 11,  
1983.
- Hartman, J K  
Chapter 8  
IN J. D. Fearey and C. B. Solloway, eds.: Survey  
of selected wargames in the context of USREDCOM  
Wargaming and Simulation Systems requirements,  
Jet Propulsions Lab., (JPL D-680), Apr. 11,  
1983.
- Howard, G T  
Wholesale provisioning models: Model optimization:  
Final report for the period 1 April 83 - September 83  
Prepared for Commanding Officer, Fleet Material  
Support Office, Mechanicsburg Pa. Naval Postgraduate  
School, (NPS-55-83-028), Oct., 1983. 35 p.
- Ignizio, J P  
GP-GN: An approach certain to large-scale,  
multiobjective integer programming models  
Naval Postgraduate School, (NPS-55-82-033), Dec.,  
1982. 34 p.
- Ignizio, J P; Thomas, L C  
An enhanced conversion scheme for lexicographic,  
multiobjective integer programs  
Naval Postgraduate School, (NPS-55-82-035), Dec.,  
1982. 19 p.
- Jacobs, P A  
First passage times for combinations of random loads  
Prepared for Office of Naval Res., Arlington, Va. and  
Nat. Sci. Foundation, Washington, D.C. Naval  
Postgraduate School, (NPS-55-85-002), Feb., 1985. 39  
p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Jacobs, P A; Lewis, P A W  
Stationary discrete autoregressive-moving average time series generated by mixtures  
Prepared for Chief of Naval Res., Arlington, Va. and Nat. Sci. Foundation, Washington, D.C. Naval Postgraduate School, (NPS-55-82-003), Jan., 1982. 37 p.
- Jayachandran, T; Larson, H J  
Statistical methods for the Joint Oil Analysis Program  
Prepared for Kelly Air Force Base, San Antonio, Tex. Naval Postgraduate School, (NPS-55-82-002), Jan., 1982. 64 p.
- Jayachandran, T; Larson, H J  
CEMS IV OAP algorithm  
Prepared for Kelly AFB, Tex. Naval Postgraduate School, (NPS-55-83-013), May, 1983.
- Jayachandran, T; Larson, H J  
Statistical analysis for the Nondestructive Inspection (NDI) Technician Proficiency Measurement Program  
Prepared for Kelly AFB, Tex. Naval Postgraduate School, (NPS-53-83-008), June, 1983.
- Lawrance, A J; Lewis, P A W  
Simple dependent pairs of exponential and uniform random variables  
Prepared for Office of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-55-82-011), Mar., 1982. 30 p.
- Lawrance, A J; Lewis, P A W  
Stationary exponential time series: Further model development and residual analysis  
Prepared for Office of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-55-83-008), 1983.
- Lehoczky, J P; Gaver, D P; Jacobs, P A  
Interactive Markov chains and manpower modeling  
Prepared for Office of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-55-82-018), July, 1982. 21 p.
- Lewis, P A W; Orav, E J; Drueg, H W; Linnebur, D G; Uribe, L  
SIMTBED: A graphical test bed for analyzing and reporting the results of a statistical simulation experiment  
Prepared for Office of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-55-83-007), Apr., 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Lindsay, G F  
An examination of the USMC Combat Active Replacement  
Factor (CARE) Determination System  
Naval Postgraduate School, (NPS-55-85-005), Feb.,  
1985. 57 p.
- McKenzie, E  
An autoregressive process for beta random variables  
Naval Postgraduate School, (NPS-55-83-037), Dec.,  
1983. 25 p.
- Poock, G K; Martin, B J  
Voice recognition performance with naive versus  
practiced users  
Naval Postgraduate School, (NPS-55-83-016), June,  
1983.
- Poock, G K; Martin, B J  
Effects of emotional and perceptual motor stress on a  
voice recognition system's accuracy  
Prepared for Naval Electronics Systems Command,  
Washington, D.C. Naval Postgraduate School,  
(NPS-55-84-002), Feb., 1984. 80 p.
- Poock, G K; Martin, B J; Roland, E F  
The effect of feedback to users of voice recognition  
equipment  
Naval Postgraduate School, (NPC-55-83-003), Feb.,  
1983.
- Poock, G K; Roland, E F  
Voice recognition accuracy: What is acceptable?  
Naval Postgraduate School, (NPS-55-82-030), Nov.,  
1982.
- Poock, G K; Roland, E F  
Simulated TACFIRE input procedure for use with voice  
data entry  
Naval Postgraduate School, (NPS-55-83-012), Apr.,  
1983.
- Poock, G K; Roland, E F  
Voice recognition vocabulary lists for the Army's  
TACFIRE system  
Naval Postgraduate School, (NPS-55-83-001), Jan.,  
1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Poock, G K; Roland, E F  
A feasibility study for integrating voice  
recognition/input into the Integrated Information  
Display System (IID)  
Naval Postgraduate School, (NPS-55-84-008), Mar.,  
1984. 76 p.
- Poock, G K; Roland, E F; Schwalm, N D  
Wearing Army gas masks while talking to a voice  
recognition system  
Naval Postgraduate School, (NPS-55-83-005), Mar.,  
1983.
- Poock, G K; Roland, E F; Sparks, P W  
Final summary: Voice recognition/input issues for  
TACFIRE  
Naval Postgraduate School, (NPS-55-83-017), 1983.
- Poock, G K; Schwalm, N D; Martin, B J; Roland, E F  
Trying for speaker independence in the use of speaker  
dependent voice recognition equipment  
Naval Postgraduate School, (NPS-55-82-032), Dec.,  
1982.
- Poock, G K; Schwalm, N D; Roland, E F  
Use of voice recognition with stenographer masks  
Prepared for 9th Infantry Div., Ft. Lewis, Wash.  
Naval Postgraduate School, (NPS-55-82-028), Oct.,  
1982. 53 p.
- Read, R R  
A comparison of polynomial and low band pass data  
smoothing filters  
Prepared for Naval Undersea Warfare Eng. Sta.,  
Keyport, Wash. Naval Postgraduate School,  
(NPS-55-82-006), 1982. 55 p.
- Read, R R  
A primer in APL: Lab support for OA3101-2-3-4  
Naval Postgraduate School, (NPS-55-84-031), 1984.  
224 p.
- Richards, F R; McMasters, A W  
Wholesale provisioning models: Model development  
Prepared for Navy Fleet Material Support Office,  
Mechanicsburg, Pa. Naval Postgraduate School,  
(NPS-55-83-026), Sept., 1983. 60 p.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Rosenthal, R E; Choypeng, P; Puakpong, P  
Optimal ship routing and personnel assignment for naval recruitment in Thailand  
Naval Postgraduate School, (NPS-55-84-017), Aug., 1984. 15 p.
- Shubert, B O  
Some probability models related to classical occupancy with possible applications to tactical analysis  
Prepared for Chief of Naval Res., Arlington, Va., Naval Postgraduate School, (NPS-55-83-019), July, 1983. 41 p.
- Shudde, R H  
A comparison of the Hewlett-Packard HP-67 and HP-41CV programmable calculators  
Prepared for Chief of Naval Res., Arlington, Va., Naval Postgraduate School, (NPS-55-82-023), Sept., 1982. 11 p.
- Shudde, R H  
Position determination with LORAN-C triplets and the Hewlett-Packard HP-41CV programmable calculator  
Prepared for Office of Naval Res., Arlington Va., Naval Postgraduate School, (NPS-55-82-022), Sept., 1982. 71 p.
- Shudde, R H  
A multiple leg TMA procedure with programs for the Hewlett-Packard HP-41CV, the Hewlett-Packard HP-75C, the Sharp PC-1500 (TRS-80-PC-2) and the Radio Shack TRS-80 model 100 portable computers  
Prepared for the Office of Naval Res., Fleet Activity Support Div., Code 230, Arlington, VA. Naval Postgraduate School, (NPS-55-83-025), Sept., 1983. 27 p.
- Shudde, R H  
An analysis of the satellite kinematics model in the Naval War Gaming System  
Prepared for Commander, Naval Electronics Systems Command, PME 120, Washington, D.C. Naval Postgraduate School, (NPS-55-83-022), Sept., 1983. 12 p.
- Shudde, R H  
Position determination with LORAN-C triplets using the Hewlett-Packard HP-75C, the Sharp PC-1500 (TRS-80 PC-2) or the Radio Shack TRS-80 model 100 portable computers  
Prepared for Chief of Naval Res., Arlington, Va., Naval Postgraduate School, (NPS-55-83-023), Sept., 1983. 43 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Shudde, R H  
Fleet Mission Program Library operating instructions for  
the Sharp PC-1500A computer  
Navy Tactical Support Activity, (NTSA FPL40-7),  
Sept., 1984. 73 p.
- Shudde, R H  
Some Sharp PC-1500A computer navigation programs for the  
Fleet Mission Program Library  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-55-84-018), Sept.,  
1984.
- Taylor, J G  
A tutorial on the determination of  
single-weapon-system-type kill rates for use in  
Lanchester-type combat models  
Prepared for U.S. Army Training and Doctrine Command,  
Fort Monroe, Va. Naval Postgraduate School,  
(NPS-55-82-021), Aug., 1982. 169 p.
- Taylor, J G  
Preliminary investigation of improved methodology for  
static measures for chemical weapons  
Prepared for Command and Control Technical Center.  
Naval Postgraduate School, (Letter rep.), Sept. 30,  
1982. 22 p.
- Thomas, L C; Hartley, R; Lavercombe, A C  
Computational comparison of value iteration algorithms  
for discounted Markov decision processes  
Naval Postgraduate School, (NPS-55-82-034), Dec.,  
1982. 10 p.
- Thomas, L C; Jacobs, P A; Gaver, D P  
Inspection policies for stand-by systems  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-55-84-004), Mar.,  
1984. 52 p.
- Tysver, J B  
Selection of segment length for least-squares polynomial  
smoothing of 3-D data  
Prepared for Naval Undersea Warfare Eng. Station.  
Naval Postgraduate School, (Letter rep.), Jan., 1982.  
46 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Tysver, J B  
Vehicular intercept geometry  
Prepared for Naval Undersea Warfare Eng. Station,  
Keyport, Wash. Naval Postgraduate School,  
(NPS-55-82-036), Dec., 1982. 33 p.
- Washburn, A R  
Countered minefield planning: Area/count considerations  
Prepared for Chief of Naval Res. Arlington, Va.  
Naval Postgraduate School, (NPS-55-82-013), Apr.,  
1982. 38 p.
- Washburn, A R  
NOMBAS: A Bayesian procedure for selecting the greatest  
mean  
Prepared for Chief of Naval Res. Arlington, Va.  
Naval Postgraduate School, (NPS-55-82-017), June,  
1982. 20 p.
- Washburn, A R  
Surveillance/pounce model  
Naval Postgraduate School, (NPS-55-83-006), Apr.,  
1983. 14 p.
- Weiman, K; Hughes, W J; Ignizio, J P  
An algorithm for selecting transducer element array  
positions  
Sponsored by Applied Research E/F and Naval Sea  
Systems Command, Washington, D.C. Applied Research  
Labs, Penn State, (Tech. rep.), 1985. 147 p.
- Wood, R K  
Polygon-to-chain reductions and extensions for  
reliability evaluation of undirected networks  
Prepared for Nat. Sci. Foundation, Washington, D.C.  
Univ. of Calif. - Berkely, Operations Res. Ctr.,  
(ORC-TR-82-12), Oct., 1982. 77 p.

DEPARTMENT  
OF  
PHYSICS

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS

- Boyle, P J; Davidson, K L; Schacher, G E  
Evaluation of an integrated mixed layer model for single  
station prediction in a marine regime  
Newscasting -II Symp., Norrkoping, Sweden, Sept. 3-7,  
1984.
- Brekke, B; Wilson, O B  
A modified time delay spectrometry method for underwater  
acoustic measurements  
Acoust. Soc. Am. Mtg., Austin, Tex., Apr., 1985.
- Burmaster, C L; Garrett, S L  
Reciprocity calibration of transducers in a plane-wave  
resonator  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.
- Buskirk, F R; Neighbours, J R  
Cerenkov radiation in the neighborhood of the emission  
threshold  
Ann. Propagation Phys. Review of DARPA and Army,  
Navy, Air Force, Naval Postgraduate School, Monterey,  
Calif., June 18-22, 1984.
- Fairall, C W; Davidson, K L; Schacher, G  
Application of a mixed layer model to aerosols in the  
coastal marine boundary layer  
1st Int. Conf. on Meteorology & Air/Sea Interaction  
of the Coastal Zone, The Hague, Netherlands, May  
10-14, 1982.
- Garrett, S L  
Reciprocity calibration of second sound transducers in  
super-helium  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.
- Garrett, S L  
Unusual properties of superfluid helium  
Am. Phys. Soc. Mtg., San Francisco, Calif., Nov. 21,  
1983.
- Garrett, S L  
Detuning/dephasing instabilities in acoustic levitation  
and Rayleigh disk systems  
109th Mtg. of the Acoustical Soc. of Am., Austin,  
Tex., April 8-12, 1985.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

- Harrison, D E; Jakas, M M  
Inelastic energy losses in cascade and atom ejection  
IBA 7 '85, Berlin, F. R. G., 1985.
- Harrison, D E; Jakas, M M  
Simulation of the atomic collision cascade  
REI 3 '85, Guilford, U. K., 1985.
- Keller, L; Bunshah, R F; Oren, L; Schwirzke, F R;  
Taylor, R J; Wagner, C N J  
Structure and effective impurity control of various  
metallic coatings in macrotor  
5th Int. Conf. on Plasma Surface Interactions in  
Controlled Fusion Devices, Gatlinburg, Tenn., May  
3-7, 1982.
- Mason, J T; Mills, G B; Garrett, S L; Wayman, J L  
Comparison of impedance measurement techniques  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.
- Mills, G B; Garrett, S L; Carome, E F  
Fiber optic gradient hydrophone  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.
- Monahan, E C; Davidson, K L; Fairall, C W; Boyle, P J;  
Schacher, G E; Spiel, D E  
Features of the NE Atlantic aerosol spectra identified  
with specific sea surface production mechanisms  
Joint Oceanographic Assembly, Halifax, Nova Scotia,  
Canada, Aug., 1982.
- Ogg, B R; Valdivia, J; Yarber, R K; Garrett, S L  
Absolute electroacoustic measurement of temperature  
oscillations in superfluid helium by the reciprocity  
method  
Ultrasonics Symp., 31 Oct. - 2 Nov., 1983.
- Oren, L; Keller, L; Schwirzke, F R; Talmadge, S;  
Taylor, R J  
Influence exerted by the plasma edge potential on  
recycling, sputtering and impurity accumulation  
5th Int. Conf. on Plasma Surface Interactions in  
Controlled Fusion Devices, Gatlinburg, Tenn., May  
3-7, 1982.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

- Sanders, J V; Coppens, A B  
Propagation of sound in a fluid wedge overlying a fast  
bottom  
108th Mtg., Acoust. Soc. Am., Minneapolis, Minn.,  
Oct. 8-12, 1984.
- Schacher, G E  
Assessing diffusion in complex terrain  
S & EPS Workshop on Atmospheric Transport and  
Diffusion Modeling, Los Angeles, Calif., June, 1985.
- Schacher, G E; Takle, E C  
Vandenberg complex terrain data base  
S & EPS Workshop on Atmospheric Transport and  
Diffusion Modeling, Los Angeles, Calif., June, 1985.
- Schwirzke, F R  
Laser induced unipolar arcing  
Navy CPB Material Interaction Workshop, Navy Surface  
Weapons Center, White Oak, Silver Spring, Md., Sept.  
25-26, 1984.
- Schwirzke, F R  
Unipolar arc model  
6th Int. Conf. on Plasma Surface Interactions in  
Controlled Fusion Devices, Nagoya, Japan, May 14-18,  
1984.
- Schwirzke, F R  
Unipolar arc model  
26th Ann. Mtg. of the Div. of Plasma Phys., Boston,  
Mass., Oct. 29 - Nov. 2, 1984.
- Schwirzke, F R; Keller, L; Oren, L; Taylor, R J  
Behavior of hot titanium getters at the plasma edge of  
tokamaks  
5th Int. Conf. on Plasma Surface Interactions in  
Controlled Fusion Devices, Gatlinburg, Tenn., May  
3-7, 1982.
- Skowronek, L J; Conte, D V; Wilson, O B; Garrett, S L  
Computerized measurement and analysis of sonar  
transducer equivalent circuit parameters  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.
- Valdivia, J; Ogg, B R; Yarber, R K; Garrett, S L  
An experimental test of acoustical reciprocity  
calibration applied to thermal transducers in superfluid  
helium  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

- Walters, D L  
Atmospheric isoplanatic angle measurements  
Optical Soc. of Am., Ann. Mtg., New Orleans, La.,  
Oct. 25, 1983.
- Walters, D L  
Isoplanatic angle measurements  
HELRIQ Adaptive Optics Workshop, Albuquerque, N.  
Mex., Feb. 15-16, 1984.
- Walters, D L  
Saturation and zenith angle dependence of atmospheric  
isoplanatic angle measurements  
Soc. of Photo-optical Instrumentation Engrs., East  
'85, Washington, D.C., Apr. 8, 1985.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

CONTRIBUTIONS TO BOOKS

- Coppens, A B; Sanders, J V  
Answers and selected solutions for Fundamentals of  
acoustics (3rd ed.)  
John Wiley & Sons, 1982.
- Kinsler, L E; Frey, A R; Coppens, A B; Sanders, J V  
Fundamentals of acoustics (3d ed.)  
New York, N. Y., John Wiley & Sons, 1982. ca. 500 p.
- Schwirzke, F R  
Laser induced unipolar arcing  
IN H. Hora and G. H. Miley, eds.: Laser  
interaction and related plasma phenomena (v.  
6), New York, Plenum Publ. Corp., 1984, p.  
335-352.
- Schwirzke, F R  
Unipolar arcing: A basic laser damage mechanism  
IN H. E. Bennett, et al., eds.: Laser induced  
damage in optical materials 1982, Nat. Bureau  
of Standards, Special Publ. no. 669, Jan.,  
1984, p. 458-478.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

- Boyle, P J; Davidson, K L; Schacher, G E  
Evaluation of an integrated mixed layer model for single  
station prediction in a marine regime  
Newscasting -II Symp., Norrkoping, Sweden, Sept. 3-7,  
1984.  
IN Proc., p. 323-237, (1984).
- Burmester, C L; Garrett, S L  
Reciprocity calibration of transducers in a plane-wave  
resonator  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.  
IN J. Acoust. Soc. Am., vol. 74, S98, (1983).
- Buskirk, F R; Canalli-Sforza, M; Coyne, D; Kirkbride, I;  
Newman, C  
Energy resolution measurements on a large, single B60  
crystal, from 1 - 50 MeV  
IEEE Nuclear Sci. Symp., San Francisco, Calif., Oct.  
22, 1981.  
IN IEEE Trans. Nuclear Sci., (Feb., 1982).
- Buskirk, F R; Neighbors, J R  
Time development of Cerenkov radiation  
Phys. Rev., vol. A31, p. 3750+, (1985).
- Buskirk, F R; Pogue, E W  
Cavity coupling investigation for the Phermex - 50 MHz  
accelerator  
IEEE Trans. Nuclear Sci., vol. 32, p. 2582+, (1985).
- Davidson, K L; Brower, D A; Fairall, C W; Schacher, G E  
Atmospheric marine boundary layer prediction for  
weapons/systems  
AFSC-NAVMAT Sci. and Eng. Symp., Wright-Patterson  
AFB, Ohio, Oct. 27-29, 1981.  
IN Proc., Naval Material Command, 22 p., (1982).
- Davidson, K L; Fairall, C W; Boyle, P J; Schacher, G E  
Verification of an atmospheric mixed layer model for a  
coastal region  
J. Climate and Appl. Meteorology, vol. 23, no. 4, p.  
617-636, (Apr., 1984).
- Fairall, C W; Davidson, K L; Schacher, G E  
Application of a mixed layer model to aerosols in the  
coastal marine boundary layer  
1st Int. Conf. on Meteorology & Air/Sea Interaction  
of the Coastal Zone, The Hague, Netherlands, May  
10-14, 1982.  
IN Proc., AMS, (1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Fairall, C W; Davidson, K L; Schacher, G E  
Meteorological models for optical properties in the  
marine atmospheric boundary layer  
Optical Eng., vol. 21, p. 847-857, (Sept., 1982).
- Fairall, C W; Davidson, K L; Schacher, G E  
Application of a mixed layer model to aerosol in the  
marine boundary layer  
Tellus, Part B, vol. 36, no. 3, p. 203-211, (1984).
- Garrett, S L  
Reciprocity calibration of second sound transducers  
Am. Phys. Soc. Winter Mtg., San Francisco, Calif.,  
Jan. 27, 1982.  
IN Bull. Am. Phys. Soc., vol. 27, (1982).
- Garrett, S L  
Sonic gas purity monitor for helium  
recovery/re-liquification systems  
103rd Mtg. of Acoustical Soc. of Am., Chicago, Ill.,  
Apr. 27-30, 1982.  
IN Acoustical Soc. Am. J., vol. 71, S110, (1982).
- Garrett, S L  
Reciprocity calibration of second sound transducers in  
super-helium  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.  
IN J. Acoust. Soc. Am., vol. 74, S26, (1983).
- Garrett, S L  
Unusual properties of superfluid helium  
Am. Phys. Soc. Mtg., San Francisco, Calif., Nov. 21,  
1983.  
IN Bull. Am. Phys. Soc., vol. 28, p. 1350, (1983).
- Garrett, S L  
Detuning/dephasing instabilities in acoustic levitation  
and Rayleigh disk systems  
109th Mtg. of the Acoustical Soc. of Am., Austin,  
Tex., April 8-12, 1985.  
IN J. Acoust. Soc. Am., vol. 77, p. S21, (1985).
- Glass, N E; Mills, D L; Weber, M  
Surface polariton induced structure in the I-V curves of  
metal-insulator-metal tunnel junctions  
Phys. Rev. B, vol. 32, no. 8, p. 4919-4920, Oct.,  
1985.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Harrison, D E  
Molecular dynamics computer simulation study of the damage produced in metal target surfaces during ion bombardment  
IN Proc., SIMS IV, (Secondary Ion Mass Spectrometry), Springer-Verlag, N.Y., 1984.
- Harrison, D E; Webb, R P  
A molecular dynamics simulation study of the influence of the lattice atom potential function upon atom ejection processes  
J. of Appl. Phys., vol. 53, no. 6, p. 4193-4201, (June, 1982).
- Jakas, M M; Harrison, D E  
Influence of electronic energy losses on atom ejection processes  
Phys. Rev. B, vol. 30, no. 6, p. 3573-3574, (Sept. 15, 1984).
- Jakas, M M; Harrison, D E  
Computer studies of the reflection of 30keV N<sub>2</sub><sup>+</sup> ions from A (010) Cu surface  
Surface Sci., vol. 149, p. 500-516, (1985).
- Keller, L; Bunshah, R F; Oren, L; Schwirzke, F R;  
Taylor, R J; Wagner, C N J  
Structure and effective impurity control of various metallic coatings in macrotor  
J. of Nuclear Materials, v. 111, (1982).
- Keller, L; Wagner, C N J; Schwirzke, F R  
Analysis of titanium coatings deposited and operated in macrotor and microtor  
J. of Nuclear Materials, vol. 107, no. 1, p. 104-116, (May, 1982).
- Kelly, R; Harrison, D E  
A summary of the theory of preferential sputtering of alloys  
Mater. Sci. and Eng., vol. 69, p. 449-455, (1985).
- Maruyama, X K; Neighbours, J R; Buskirk, F R  
Electron beam bunch profile determination through Cerenkov radiation  
IEEE Trans. Nuclear Sci., vol. 32, p. 1994+, (1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Mason, J T; Mills, G B; Garrett, S L; Wayman, J L  
Comparison of impedance measurement techniques  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.  
IN J. Acoust. Soc. Am., vol. 74, S63, (1983).
- Medwin, H; Fisher, F; Stern, R; Garrett, S  
Gold medal encomium for Prof. I. Rudnick  
J. Am. Phys. Soc., vol. 71, p. S64, (Spring, 1982).
- Mills, G B; Garrett, S L; Carome, E F  
Fiber optic gradient hydrophone  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.  
IN J. Acoust. Soc. Am., vol. 74, S16, (1983).
- Mills, G B; Garrett, S L; Carome, E F  
Fiber optic gradient hydrophone  
IN Proc. SPIE-Int. Soc. of Optical Eng., vol.  
478, 5 p., (May, 1984).
- Neighbours, J R; Buskirk, F R; Saglam, A  
Cerenkov radiation from a finite-length path in a gas  
Phys. Rev. A, vol. 29, no. 6, 6.5 p., (June, 1984).
- Nerney, S F; Suess, S T  
Modeling the effects of latitudinal gradients in stellar  
winds, with application to the solar wind  
Astrophys. J., vol. 296, no. 1, p. 259-267, (Sept. 1,  
1985).
- Ogg, B R; Valdivia, J; Yarber, R K; Garrett, S L  
Absolute electroacoustic measurement of temperature  
oscillations in superfluid helium by the reciprocity  
method  
Ultrasonic Symp., 31 Oct. - 2 Nov., 1983.  
IN Proc., SU-18, 3 p., (1983).
- Oren, L; Keller, L; Schwirzke, F R; Talmadge, S;  
Taylor, R J  
Influence exerted by the plasma edge potential on  
recycling, sputtering and impurity accumulation  
J. of Nuclear Materials, (1982).
- Sanders, J V; Coppens, A B  
Propagation of sound in a fluid wedge overlying a fast  
bottom  
108th Mtg., Acoust. Soc. Am., Minneapolis, Minn.,  
Oct. 8-12, 1984.  
IN J. Acoust. Soc. Am., vol. 76, suppl. 1, p. 112,  
(1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Schacher, G E; Buell, M J; Skupniewicz, C E; Larsen, S;  
Table, E S  
Characterizing turbulence for complex terrain diffusion  
modeling  
IN Proc., 7th Symp. on Turbulence and Diffusion,  
p. 227-230, (Nov., 1985).
- Schacher, G E; Fairall, C W; Davidson, K L  
Atmospheric boundary layer convective mixing velocities  
in the California coastal region  
Atmospheric Environment, vol. 16, p. 1183-1191,  
(1982).
- Schacher, G E; Skupniewicz, C E; Mikkelsen, T  
Turbulence structure on a steep hillside: Application  
to transport of a hot plume  
IN Proc., 7th Symp. on Turbulence and Diffusion,  
p. 315-318, (Nov., 1985).
- Schwirzke, F R  
Unipolar arc model  
6th Int. Conf. on Plasma Surface Interactions in  
Controlled Fusion Devices, Nagoya, Japan, May 14-18,  
1984.  
IN J. Nucl. Materials, 4 p., (1984).
- Schwirzke, F R  
Unipolar arc model  
26th Ann. Mtg. of the Div. of Plasma Phys., Boston,  
Mass., Oct. 29 - Nov. 2, 1984.  
IN Bull. Am. Phys. Soc., vol. 29, p. 1247, (1984).
- Schwirzke, F R; Keller, L; Oren, L; Taylor, R J  
Behavior of hot titanium getters at the plasma edge in  
tokamaks  
J. of Nuclear Materials, vol. 11, (1982).
- Schwirzke, F R; Ulrich, H G  
Laser induced unipolar arcing  
IEEE 1982 Int. Conf. on Plasma Sci., Carleton Univ.,  
Ottawa, Can., May 17-19, 1982.  
IN Proc., IEEE, (1982).
- Shapiro, M H; Haff, P K; Tombrello, T A; Harrison, D E;  
Webb, R P  
Computer simulated energy and angular distributions of  
sputtered Cu atoms  
Radiation Effects, vol. 89, no. 3/4, p. 234-255,  
(1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Skowronek, L J; Conte, D V; Wilson, O B; Garrett, S L  
Computerized measurement and analysis of sonar  
transducer equivalent circuit parameters  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.  
IN J. Acoust. Soc. Am., vol. 74, S99, (1983).
- Suess, S T; Thomas, B T; Nerney, S F  
Theoretical interpretation of the observed  
interplanetary magnetic field radial variation in the  
outer solar system  
J. Geophys. Res., vol. 90, no. A5, p. 4378-4382, (May  
1, 1985).
- Valdivia, J; Ogg, B R; Yarber, R K; Garrett, S L  
An experimental test of acoustical reciprocity  
calibration applied to thermal transducers in superfluid  
helium  
106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.  
8-11, 1983.  
IN J. Acoust. Soc. Am., vol. 74, S26, (1983).
- Walters, D L  
Saturation and zenith angle dependence of atmospheric  
isoplanatic angle measurements  
Soc. of Photo-optical Instrumentation Engrs., East  
85, Washington, D.C., Apr. 8, 1985.  
IN Proc., SPIE, vol. 547, p. 38, (1985).
- Webb, R P; Harrison, D E  
Near threshold sputtering mechanisms from a computer  
simulation of argon bombarded clean and oxygen reacted  
copper single crystals  
J. of Appl. Phys., vol. 53, no. 7, p. 5243-5249,  
(July, 1982).
- Webb, R P; Harrison, D E  
The formation of target adatoms during the quenching of  
an energetic ion induced cascade in a crystalline metal  
surface  
Radiation Effects Letters, vol. 86, no. 1 p. 15-18,  
(1983).
- Webb, R P; Harrison, D E  
A computer simulation of high energy density cascades  
Nuclear instruments and methods in phys. res.,  
Section B, vol. 230, p. 660-665, (1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Webb, R P; Harrison, D E  
A molecular dynamics computer simulation of the time  
dependence of surface damage production in ion  
irradiated metal targets  
Vacuum, vol. 35, no. 10/11, p. 847-851, (1984).
- Webb, R P; Harrison, D E; Barfoot, K M  
Microscopic phase transitions in molecular dynamics  
simulations of low energy ion irradiation of metals  
Nuclear Instruments and Methods B, p. 143-146,  
(1985).
- Wilson, O B; Wolf, S N; Ingenito, F  
Measurements of acoustic ambient noise in shallow water  
due to breaking surf  
J. Acoust. Soc. Am., vol. 78, no. 1, p. 190-195,  
(July, 1985).
- Woehler, K E  
On the correspondence between the paintings of Bernhard  
Schultze and recent results of modern physics  
IN Art catalog, Rheinlaud Verlag, Cologne, F. R.  
G., 1984.
- Yoon, S W  
Parametric acoustic conversion in ocean sediments  
J. Acoust. Soc. Am., vol. 75, no. 6, p. 1916, (June,  
1984).



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES

- Buskirk, F R; Neighbours, J R  
Cerenkov radiation from bunched electron beams  
Prepared for Chief of Naval Res. Arlington, VA.  
Naval Postgraduate School, (NPS-61-83-003), Nov.,  
1982. 25 p.
- Buskirk, F R; Neighbours, J R  
Cerenkov radiation in the neighborhood of the emission  
threshold  
Prepared for Naval Surface Weapons Center, Silver  
Spring, Md. Naval Postgraduate School,  
(NPS-61-84-007), Aug., 1984. 4 p.
- Buskirk, F R; Neighbours, J R  
Measurement of linac bunch parameters using the Cerenkov  
effect  
Prepared for Office of Naval Res. Arlington, Va.  
Naval Postgraduate School, (NPS-61-84-008), May,  
1984. 16 p.
- Buskirk, F R; Neighbours, J R  
Time development of Cerenkov radiation  
Prepared for Naval Sea Systems Command, Washington,  
D.C. Naval Postgraduate School, (NPS-61-84-006),  
May, 1984. 22 p.
- Coppens, A B  
An introduction to the parabolic equation for acoustic  
propagation  
Prepared for Naval Ocean R & D Activity, NSTL  
Station, Miss. Naval Postgraduate School,  
(NPS-61-83-002), 1983.
- Coppens, A B; Sanders, J V; Joung, I  
Finite-amplitude standing waves in a cavity with  
boundary perturbations  
Prepared for Chief of Naval Res. Arlington, Va.  
Naval Postgraduate School, (NPS-61-82-005), Apr.,  
1982. 59 p.
- Crittenden, E C; Milne, E A  
System for laser spot profile analysis: Interim report  
for period Oct. 1, 1981-Sept. 30, 1982  
Prepared for U.S. Army Electronic Proving Ground,  
Fort Huachuca, Ariz. Naval Postgraduate School,  
(NPS-61-83-007), May, 1983. 19 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Davidson, K L; Fairall, C W; Schacher, G E  
Mixed layer modeling of aerosols in the marine boundary layer  
Prepared for Naval Ocean Systems Center, San Diego, Calif. Naval Postgraduate School, (NPS-63-82-002), Mar., 1982. 51 p.
- Davidson, K L; Schacher, G E; Fairall, C W; Boyle, P J; Brower, D A  
Marine atmospheric boundary layer modeling for tactical use  
Prepared for Naval Air Systems Command, AIR 370, Washington, D.C. Naval Postgraduate School, (NPS-63-82-001), Sept., 1982. 48 p.
- Eagle, J N; Jung, G H; Wilson, O B  
A brief study of problems relevant to acoustics in shallow water ASW scenarios  
Prepared for Naval Research Lab., Washington, D.C. Naval Postgraduate School, (NPS-61-84-003), Jan., 1984. 20 p.
- Fairall, C W; Davidson, K L; Schacher, G E  
Generation rate of marine aerosols as determined from a boundary layer model  
Prepared for Naval Mater. Command (EO/MET) and Naval Air Systems Command (AIR 370), Washington, D.C. Naval Postgraduate School, (NPS-63-82-003), May, 1982. 29 p.
- Neighbours, J R  
Solid state physics at the Autonomous University of Madrid  
Sponsored by Office of Naval Research, London. European Scientific Notes, (ESN-36-5), May, 1982. 3 p.
- Neighbours, J R  
Solid state physics at the University of Valladolid  
Sponsored by Office of Naval Research, London. European Scientific Notes, (ESN-36-5), May, 1982. 3 p.
- Neighbours, J R  
Solid state physics at the University of Zaragoza  
Sponsored by Office of Naval Research, London. European Scientific Notes, (ESN-36-5), May, 1982. 3 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Neighbours, J R; Buskirk, F R  
Diffraction effects in Cerenkov radiation  
Prepared for Chief of Naval Res. Arlington, Va.  
Naval Postgraduate School, (NPS-61-83-010), June,  
1983. 29 p.
- Neighbours, J R; Buskirk, F R  
Radiation from intense electron beams associated with  
the Cerenkov mechanism  
Prepared for Naval Surface Weapons Center, Silver  
Spring, Md. Naval Postgraduate School,  
(NPS-61-84-010), June, 1984. 21 p.
- Reinhardt, R A  
Computations on internal blast from titanium-cased  
chargers in air  
Sponsored by Naval Weapons Center, China Lake, Calif.  
Naval Weapons Center, (NWC-TP-6544), July, 1984. 44  
p.
- Schacher, G E; Skupniewicz, C E  
Air parcel motion at the Vandenberg hydrogen flare  
stacks  
U. S. Air Force, Space Division, (Code SD/CFA), Los  
Angeles, Calif. Naval Postgraduate School,  
(NPS-61-86-005), Oct., 1985. 106 p.
- Schacher, G E; Skupniewicz, G E; Buell, M  
Mean conditions and turbulence at Vandenberg AFB  
Prepared for U.S. Air Force Space Div., Los Angeles,  
Calif. Naval Postgraduate School, (NPS-61-85-003),  
Nov., 1984. 75 p.
- Schacher, G E; Spiel, D E; Davidson, K L; Fairall, C W  
Comparison of overwater stability classification schemes  
with measured wind direction variability  
Prepared for Outer Continental Shelf Div., Bureau of  
Land Manage., Los Angeles, Calif. Naval Postgraduate  
School, (NPS-61-82-002), 1982. 59 p.
- Schacher, G E; Spiel, D E; Fairall, C W; Davidson, K L;  
Leonard, C A; Reheis, C H  
California coastal offshore transport and diffusion  
experiments: Meteorological conditions and data  
Prepared for Outer Continental Shelf Office, Minerals  
Manage. Service, Los Angeles, Calif. Naval  
Postgraduate School, (NPS-61-82-007), 1982. 380 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Schacher, G E; Spiel, D E; Leonard, C A  
Offshore transport and dispersion in the California  
Coastal Region--BLM III: NPS data summary  
Prepared for Outer Continental Shelf Office, Bureau  
of Land Management, Los Angeles, Calif. Naval  
Postgraduate School, (NPS-61-82-004), May, 1982. 96  
p.
- Schacher, G E; Stanton, T P  
Mean flow and turbulence in complex terrain  
NPS/Vandenberg measurement system  
Prepared for U. S. Air Force Space Div., (Code  
SD/CFA), Los Angeles, Calif. Naval Postgraduate  
School, (NPS-61-84-005), Mar., 1984. 118 p.
- Schwirzke, F R  
Short pulse laser and plasma surface interactions  
Prepared for Naval Research Lab. Washington, D.C.  
Naval Postgraduate School, (NPS-61-84-004), Apr. 2,  
1984. 17 p.
- Schwirzke, F R  
Microscopic model and scaling laws for a plasma opening  
switch  
Naval Postgraduate School, (NPS-61-85-006), Sept.,  
1985. 9 p.
- Skupniewicz, C E; Schacher, G E  
Assessment of the performance of an in-field Gaussian  
plume puff model for overwater use  
Naval Environmental Prediction Res. Facility,  
(NEPRF-CR-85-01), Feb., 1985. 47 p.
- Skupniewicz, G E; Schacher, G E  
Assessment of the performance of an in-field Gaussian  
plume/puff model for overwater use  
Prepared for Naval Environmental Prediction Res.  
Facility, Monterey, Calif. Naval Postgraduate  
School, (NPS-61-85-002), Nov., 1984. 43 p.
- Skupniewicz, G E; Schacher, G E  
Measured plume dispersion parameters over water (Vols. 1  
and 2)  
Prepared for Office of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-61-84-012), Sept.,  
1984. 190 p.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Wilson, O B; Wolf, S N; Ingenito, F  
Measurements of acoustic ambient noise in shallow water  
due to breaking surf  
Prepared for Chief of Naval Res., Arlington, Va.  
Naval Postgraduate School, (NPS-61-83-006), Dec.,  
1982. 30 p.
- Woehler, K E  
CYBERON: A non-equilibrium thermodynamic model of a  
cybernetic continuum with local equilibrium for military  
C-cubed-1  
Naval Postgraduate School, (NPS-61-84-002), Oct.,  
1983.
- Yoon, S W  
Parametric acoustic conversion in ocean sediments  
Prepared for Office of Naval Res., Arlington, Va.  
Univ. of Texas - Austin, Appl. Res. Labs.,  
(ARL-TR-83-2), Dec., 1983. 124 p.
- Yoon, S W; Dunlap, C R; Bradfield-Smith, W L  
Preliminary investigation of optimum frequency for sound  
propagation in shallow sound channels  
Space and Naval Warfare Systems Command, Washington,  
D.C. Naval Postgraduate School, (NPS-68-85-22),  
Aug., 1985. 106 p.

**DEFENSE**

**RESOURCES MANAGEMENT**

**EDUCATION CENTER**

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

CONFERENCE PRESENTATIONS

- Blandin, J S  
Recruiting quality: A profile of American youth  
Am. Soc. for Public Adm. Nat. Conf., Honolulu,  
Hawaii, Mar., 1982.
- Blandin, J S  
Cost and utility considerations in military selection  
and assignment decisions  
16th Ann. Mtg., Am. Inst. for Decision Sciences,  
Toronto, Canada, Nov. 5-7, 1984.
- Burmeister, E; Wall, K D  
The arbitrage pricing theory and macroeconomic factor  
measures  
Eastern Finance Assoc. Mtgs., Williamsburg, Va., Apr.  
24-27, 1985.
- Burmeister, E; Wall, K D; Hamilton, J D  
Estimation of unobserved expected monthly inflation  
using Kalman filtering  
5th World Cong. of the Econometric Soc., Cambridge,  
Mass., Aug. 7-23, 1985.
- Connolly, R A; LaCivita, C J  
Adjust costs, multiple capital goods and q  
So. Econ. Assoc. Mtgs., Atlanta, Ga., Nov. 14-16,  
1984.
- Frederiksen, P C  
Electrification and regional development in the  
Philippines  
18th Int. Atlantic Econ. Conf., Montreal, Canada,  
Oct. 11-14, 1985.
- Frederiksen, P C; Looney, R E  
Defense and economic growth: Some further empirical  
evidence  
13th Int. Atlantic Econ. Conf., Montego Bay, Jamaica,  
Feb. 11-16, 1982.
- Frederiksen, P C; Looney, R E  
Feasibility of the Caribbean Basin Initiative: Jamaica  
as a case study  
20th Atlantic Econ. Conf., Washington, D.C., Aug.  
29-Sept. 1, 1985.
- LaCivita, C J  
The determinants of the forward exchange rate  
So. Econ. Assoc. Mtgs., Atlanta, Ga., Nov. 14-16,  
1984.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

CONFERENCE PRESENTATIONS (cont'd)

- Looney, R E; Frederiksen, P C  
An optimal Mexican stabilization program for the 1980s  
No. Am. Econ. Assoc. Conf., New York, N. Y., Dec. 28,  
1982.
- Looney, R E; Frederiksen, P C  
The impact of public enterprises on economic growth in  
Latin America: The case of defense industries  
3rd Int. Mtg., North Am. Economics and Finance  
Assoc., Mexico City, Mexico, July, 1985.
- Morris, J S; Caldwell, D F; O'Reilly, C A  
A test of sufficiency of justification  
Academy of Manage. Nat. Mtg., New York, N. Y., 1982.
- Morris, J S; Snyder, R A  
Macro organization performance and communications  
measures  
Academy of Manage. Nat. Mtg., New York, N. Y., 1982.
- Pirog, R L; Stamos, S C  
Energy policy and planning  
Nat. Mtg. of Am. Evolutionary Econ. Soc. at ASSA  
Mtg., Dallas, Tex., Dec., 1984.
- Roberts, D C  
Output response and initial price expectations  
Western Econ. Assoc. Mtg., Los Angeles, Calif., July,  
1982.
- Snyder, R A; Morris, J H  
Global organization performance and employee commitment  
and competence in a human service system  
Nat. Mtg. of Am. Inst. for Decision Sciences,  
Toronto, Canada, Nov., 1984.
- Wall, K D  
A behaviorally based forecast combination technique  
ORSA/TIMS Fall Mtgs., Dallas, Tex., Nov. 26-28, 1984.
- Wall, K D  
Bootstrapping an econometric application of the Kalman  
filter  
ORSA/TIMS Applied Probability Group Mtg.,  
Williamsburg, Va., Jan. 7-9, 1985.
- Williams, R R; Morris, J H; Snyder, R A  
Sex differences in the relationship between perceived  
communication characteristics and organizational  
performance  
Nat. Mtg. of Am. Inst. for Decision Sciences,  
Toronto, Canada, Nov., 1984.



NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

CONTRIBUTIONS TO BOOKS

Looney, R E; Frederiksen, P C  
An optimal Mexican stabilization program for the 1980's  
IN E. Ortiz, ed.: Current economic and financial  
issues of the North American and Caribbean  
countries, Mexico City, Mexico, No. Am. Econ.  
and Finance Assoc., 1983, p. 205-210.

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

PUBLISHED PAPERS

- Blandin, J S  
Cost and utility considerations in military selection  
and assignment decisions  
16th Ann. Mtg., Am. Inst. for Decision Sciences,  
Toronto, Canada, Nov. 5-7, 1984.  
IN Proc., AIDS, (1984).
- Blandin, J S; Cabe, L R  
Defense manpower requirements and supply  
Am. Soc. for Public Adm. Nat. Conf., Honolulu,  
Hawaii, Mar., 1982.  
IN Proc., ASPA, (1982).
- Blandin, J S; Morris, J S  
Predicting attrition among non-high school graduate army  
enlistees  
Armed Forces and Soc., vol. 8, no. 4, p. 643-655,  
(Summer, 1982).
- Bonsper, D E  
Electronic spreadsheets: To do what? What are they?  
Air Force, J. of Logistics, vol. 8, no. 4, p. 32-33,  
(Winter, 1984).
- Bonsper, D E  
Ambushed  
Marine Corps Gazette, vol. 69, no. 9, p. 23-25,  
(Sept., 1985).
- Bonsper, D E  
Hill 179  
Marine Corps Gazette, vol 69, no. 7, p. 31-32, (July,  
1985).
- Bonsper, D E  
Rain, bait and mortars  
Marine Corps Gazette, vol. 69, no. 10, p. 31-33,  
(Oct., 1985).
- Bonsper, D E  
The LP doesn't answer  
Marine Corps Gazette, vol. 69, no. 8, p. 27, (Aug.,  
1985).
- Bonsper, D E  
Welcome to Vietnam  
Marine Corps Gazette, vol. 69, no. 6, p. 15-16,  
(June, 1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

PUBLISHED PAPERS

(cont'd)

- Connolly, R A; LaCivita, C J  
A note on the statistical properties of alternative g  
measures  
Economics Letters, vol. 19, no. 2, p. 177-181, (Oct.,  
1985).
- Frederiksen, P C  
Road investment and regional development: A Philippine  
case study  
Int. J. of Transport Economics, vol. 9, no. 3, p.  
335-348, (Dec. 1982).
- Frederiksen, P C  
Electrification and regional economic development in the  
Philippines  
J. of Philippine Develop., vol. 12, no. 2, p.  
409-417, (1985).
- Frederiksen, P C  
Electrification and regional development in the  
Philippines  
18th Int. Atlantic Econ. Conf., Montreal, Canada,  
Oct. 11-14, 1985.  
IN Atlantic Econ. J., p. 67, (Mar., 1985).
- Frederiksen, P C; Looney, R E  
Defense expenditures and economic growth in developing  
countries: Some further empirical evidence  
J. of Econ. Develop., vol. 7, no. 1, p. 113-125,  
(July, 1982).
- Frederiksen, P C; Looney, R E  
Defense expenditures and economic growth: Some further  
empirical evidence  
Atlantic Econ. J., vol. 10, no. 3, p. 58-59, (Sept.,  
1982).
- Frederiksen, P C; Looney, R E  
Another look at the defense spending and development  
hypothesis  
Defense Analysis, vol. 1, no. 3, (Oct./Nov., 1985).
- Frederiksen, P C; Looney, R E  
Defense expenditures and economic growth in developing  
countries: A reply  
Armed Forces and Soc., vol. 11, no. 2, p. 298-301,  
(winter, 1985).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

PUBLISHED PAPERS (cont'd)

- LaCivita, C J  
Forecasting the dollar: What went wrong?  
No. Carolina Rev. of Business and Economics, vol. 8,  
no. 2, p. 12-18, (Fall, 1984).
- Looney, R E; Frederiksen, P C  
A programmed approach toward a regional expenditure  
policy for Mexico  
J. of Developing Areas, (1982).
- Looney, R E; Frederiksen, P C  
An optimal stabilization program for the 1980s  
No. Am. Econ. Assoc. Conf., New York, N. Y., Dec. 28,  
1982.  
IN Proc., No. Am. Econ. Assoc., (1983).
- Looney, R E; Frederiksen, P C  
Defense expenditures and economic growth in developing  
countries  
Armed Forces and Soc., vol. 9, no. 4, (Summer, 1983).
- Looney, R E; Frederiksen, P C  
Prospects for economic stability in Mexico during the de  
la Madrid presidency  
Texas Business Rev., vol. 34, no. 3, (May, 1983).
- Looney, R E; Frederiksen, P C  
The feasibility of alternative IMF-type stabilization  
programs in Mexico - 1983-87  
J. Policy Modeling, vol. 5, no. 3, (Oct., 1983).
- Looney, R E; Frederiksen, P C  
The impact of public enterprises on economic growth in  
Latin America: The case of defense industries  
3rd Int. Mtg., North Am. Economics and Finance  
Assoc., Mexico City, Mexico, July, 1985.  
IN Proc., (1985).
- Pirog, R L; Stamos, S C  
Energy concentration: Implications for energy policy  
and planning  
J. of Econ. Issues, vol. 19, no. 2, p. 441-449,  
(June, 1985).
- Smith, W R  
Surviving the management muddle  
Marine Corps Gazette, p. 42-45, (Dec., 1982).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

PUBLISHED PAPERS

(cont'd)

Snyder, R A; Morris, J H  
Global organization performance and employee commitment  
and competence in a human service system  
Nat. Mtg. of Am. Inst. for Decision Sciences,  
Toronto, Canada, Nov. 1984.  
IN Proc., AIDS, (1984).

Williams, R R; Morris, J H; Snyder, R A  
Sex differences in the relationship between perceived  
communication characteristics and organizational  
performance  
Nat. Mtg. of Am. Inst. for Decision Sciences,  
Toronto, Canada, Nov. 1984.  
IN Proc., AIDS, (1984).

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

TECHNICAL REPORTS AND NOTES

Walter, G D; Miller, C; Alexander, C I; Spinks, P; eds.  
Information management in the Department of Defense:  
The role of librarians (Proceedings of the 24th  
Military Librarians Workshop, Monterey, Calif., Oct.,  
1980)  
Naval Postgraduate School, (NPS-0142-83-001), July,  
1983. 160 p.

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Preliminary analysis of the use of Contractor  
Engineering and Technical Services (CETS)  
Prepared for Chief of Naval Operations, Washington,  
D.C. Naval Postgraduate School, (NPS-64-84-001),  
1984. 77 p.
- Plotkin, N  
Notice of proposed rulemaking: Amendment of parts 2 and  
73 of the commission's rules concerning use of the  
subsidiary communication authorization  
Prepared for the Federal Communications Commission.  
Federal Register, (FCC-82-368), Aug. 19, 1982. 23 p.
- Plotkin, N  
Notice of proposed rulemaking: Amendment of parts 2 and  
73 of the commission's AM broadcast rules with reference  
to use of the AM carrier for utility load management  
purposes  
Prepared for the Federal Communications Commission.  
Federal Register, (FCC-81-585), Jan. 12, 1982. 8 p.
- Plotkin, N  
Report and order: Amendment of parts 2 and 73 of the  
commission's AM broadcast rules with reference to  
utility load management purposes  
Prepared for the Federal Communications Commission.  
Federal Register, (FCC-82-227), June 11, 1982. 11 p.
- Plotkin, N  
Report and order: Amendment of section 73.293 and  
section 2.106 of the commission's FM rules concerning  
use of the subsidiary communication authorization for  
utility load management  
Prepared for the Federal Communications Commission.  
Federal Register, (FCC-81-584), Jan. 13, 1982. 15 p.

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