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CONFERENCE PRESENTATIONS

Abdel-Hamid, T
Incorporating expert systems technology into simulation modeling: An expert-simulator for project management. The 1988 Society for Computer Simulation Western Multiconference, Feburary 1988.

Abdel-Hamid, T
On the economics of software quality assurance. The third international conference on improving software quality and productivity,

Agee, M H; Brammer, K W; Fabrycky, W J; Malmborg, C J; Moore, T P
Predicting life cycle cost and maintenance requirements Federal Acquisition Res. Symp., Fort Belvoir, VA, 1985.

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
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
Alternative vehicle propulsion and the optimal industrial fleet
Defense Logistics Agency Oper. Res. and Econ. Analysis Workshop, Virginia Beach, VA, Dec. 4-6, 1985.

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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
Statistical models for predicting overhead costs
1985 Federal Acquisition Res. Symp., Richmond, VA, Nov. 20-22, 1985.

Boger, D C
Forecasting quarterly contractor overhead costs
20th Annual DoD Cost Analysis Symp., Leesburg, VA, Sep. 17-19, 1986.

Boger, D C
Costs of competition and dual sourcing
Air Force Systems Command Competition Workshop, Monterey, CA, February, 1987.

Boger, D C
Evaluation of alternative techniques for predicting aerospace contractor overhead costs
DoD Cost Analysis Symposium, Leesburg, VA, September, 1987.

Boger, D C
An analysis of data requirements for parametric models of nonrecurring costs, with S.S. Liao, Journal of Parametrics, Vol. VIII, No. 2,June 1988, pp. 12-25.

Boger, D C
National defense university, seventh annual mobilization conference, Washington, DC, Potential Korean Contributions to the US Mobilizati
Base, with M.W. Jee, 14 April 1988.

Boger, D C; Greer, W R; Liao, S S
Dual sourcing and cost savings
1985 Federal Acquisition Res. Symp., Richmond, VA, Nov. 20-22, 1985.

Boger, D C; Jee, M W
Contributions to the U.S. mobilization base
Seventh Mobilization Conference, National Defense University, April, 1988.

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CONFERENCE PRESENTATIONS (cont'd)

Boger, D C; Jones, C R; Sontheimer, K C
Life cycle contracting: The path to minimum acquisition costs
Western Regional Conf., Am. Soc. Public Administration, Monterey, CA, Oct. 16-18, 1985.

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.

Boger, D C; Jones, C R; Sontheimer, K C
Entrepreneurial behavior and defense contract incentives
ORSA/TIMS Joint National Mtg, New Orleans, LA, May, 1987.

Boger, D C; Liao, S S
Dual awards and contractor gaming in defense procurement
ORSA/TIMS Joint National Meeting, Washington, DC, April 25, 1988.

Boger, D C; Myers, C F
Modeling the consolidation of inbound vendor traffic to defense logistics agency depots
ORSA/TIMS Joint National Meeting, St. Louis, MO., October 26, 1987.

Bui, T
Non-cooperation in group decision support systems: Many problems and some solutions
Joint Nat. Mtg. ORSA/TIMS, Miami Beach, FL, Oct., 1986.

Bui, T
Organization decision making: When can DSS help?
Proceedings of the International Colloquim on the Development of Sciences for Organizations, French Association for Cybernetics and Economics (AFCET), Paris, March 10-12, 1987.

Bui, T; Jarke, M
Design of communications protocols in group decision support systems
19th Hawaii Int. Conf. on System Sciences (HICSS), Honolulu, HI, Jan. 7-10, 1986.

Bui, T; Sivasankaran
A distributed expert system architecture for strategic decision-making
ORSA/TIMS Joint National Meeting, New Orleans, May, 1987.

Bui, T; Sivasankaran
An expert system for detection of espionage activities through analysis of individual financial profiles
IEEE Western Conference on Expert Systems, Anaheim California, June, 1987.

Cooper, C G; Fischbeck, P S; Jones, C R
Message screening board automation: A knowledge engineered approach
DSS-86, Washington, DC, Apr. 21-24, 1986.

Couger, J D; Borovits, I; Zviran, M
Motivation environment of Israeli computer personnel compared to the United States
Proceedings of the 22nd Annual Conference on Data Processing, IPA, Jerusalem, pp. E12-E30, October, 1987.

Dolk, D R
Structured modeling and model management: The role of an information resource dictionary system
Mini-Conf. on Structured Modeling, UCLA, Los Angeles, CA, Aug. 21-22, 1986.

Dolk, D R
Implementing a structured model management system
ORSA/TIMS New Orleans, New Orleans, LA, May, 1987.

Dolk, D R
Integrating AI, OR, and IS: Concepts and tools
ORSA/TIMS New Orleans, New Orleans, LA, May, 1987.

Dolk, D R
Model management systems for operations research: A prospectus
NATO Advanced Studies Inst. Conf. on Mathematical Models for Decision Support, Val d'Isere, France, July, 1987.

Dolk, D R
Relational data management and modeling systems: A tutorial
NATO Advanced Studies Inst. Conf. on Mathematical Models for Decision Support, Val d'Isere, France, July, 1987.

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
Implications of the new ASVAB reference population: Discussant remarks
93rd Annual Conv. of the Am. Psychological Assoc. (APA), Los Angeles, CA, Aug., 1985.

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
And they shall turn their guns into umbrellas: Today's high-tech military and its changing workforce
47th Nat. Conf. of the Am. Soc. for Public Administration (ASPA), Anaheim, CA, Apr., 1986.

Eitelberg, M J
Job placement in today's military: Who gets what and why (and, boy, have times changed)
94th Annual Conv. of the Am. Psychological Assoc. (APA), Washington, DC, Aug., 1986.

Euske, K J
Review of Germain Boer, Classifying and coding for accounting operations (Montvale, N.J: National Association of Accountants, 1987) and German Boer, Dicision Support Systems for Management Accountants (Montvale, N.J.: National Association o
The Accounting Review, October 1988, LXIII (4), 721-722.

Euske, K J; Ansari, S L
The use of the accounting system for measuring productivity in a large scale organization
17th Annual Nat. Amer. Inst. for Decision Sciences Conf., Las Vegas, Nevada, Nov. 11-13, 1985.

Euske, K J; Bayless, J
Options theory: A complement to strategic planning
Decision Sciences Institute Annual Meeting, Honolulu, HA, 1986.

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CONFERENCE PRESENTATIONS (cont'd)

Euske, K J; Dolk, D
Management Control Strategies of MIS
Joint Meeting of the Operations Research Society of America and the Institute of Managment Sciences, (ORSA/TIMS), October 25-28, 1987.

Euske, K J; Thomas, G W; Smith, D F
Estimating relationships in simulation models using regression: An application to military retirement costing
ORSA/TIMS Joint Nat. Mtg., Miami Beach, FL, Oct. 27-29, 1986.

Euske, K J; Ward, D P
Financial information as an indicator of individual integrity: Finding the link
17th Annual Meeting of the West Decision Sciences Institute, March 30-31, April, 1988.

Euske, N A; Euske, K J
Non-profit organizations viewed from the institutional perspective
Decision Sciences Institute Annual Meeting, Honolulu, HA, November, 1986.

Gonzalez, R; Means, T
Interjurisdictional spillovers of police services in bureaucracy model of fiscal choice
Annual Meetings of the Public Choice Society, San Francisco, March, 1988.

Gonzalez, R; Means, T
Spillover effects of the demand for law enforcement services
Annual Meetings of the Southwestern Economic Association, Houston, March, 1988.

Gonzalez, R; Means, T
The demand for police expenditures: Measurements of spillovers and comsumption economies
Annual Meetings of the Western Economic Association, Los Angeles, June, 1988.

Gonzalez, R; Mehay,
Economies of size and international spillovers in national defense: An empirical Analysis
Annual Research Conference of the Association for Public Policy Analysis and Management, Washington, D.C., October, 1987.

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Gonzalez, R; Thomas, G; Mehay, S
The effect of public sector unions on productivity
Presented at the Annual Meetings of the Public Choice Society, San Francisco, March, 1988.

Greer, W R; Liao, S S
An analysis of defense business profitability and its impact on weapon system acquisition policy
Amer. Inst. for Decision Sciences 1985 Annual Mtg., Las Vegas, NV, Nov., 1985.

Henderson, D R
The international energy agency's oil-sharing agreement: Who shares with whom
Assoc. for Public Policy Analysis and Management Annual Meetings, Austin, TX, October, 1986.

Henderson, D R
Pay comparability: A case study of U.S. Navy versus civilian pilots
ORSA/TIMS Joint Natl. Meeting, New Orleans, LA, May, 1987.

Henderson, D R
The perverse economic effects of a variable import fee on oil
Western Economic Assoc. Intl. Ann. Mtgs., Vancouver, Canada, July, 1987.

Henderson, D R
Review of: The patriot game, by Peter Brimelow
Fortune, November 23, 1987.

Henderson, D R
Economics in 1916 lessons, review of the new palgrave
A Dictionary of Economies, February 15, 1988.

Henderson, D R
The draft versus the all volunteer force: An analysis of the issues
Association for Public Policy Analysis and Management Annual Research Conference, Seattle, WA., October 27-29, 1988.

Henderson, D R
The emerging consensus on marginal tax rates: Are we all supply-siders now?
Western Economic Association International Meetings, Los Angeles, CA., June 30 - July 3, 1988.

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Henderson, D R
Were the supply-siders correct?
Western Economic Association International Annual Meetings, Los Angeles, CA., June 30 - July 3, 1988.

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
Acquisition strategy
1985 Federal Acquisition Res. Symp., Richmond, VA, Nov. 22, 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.

Lamm, D V
State and local government purchasing
Western Regional Conf. Am. Soc. for Public Administration, Monterey Conf. Center, Monterey, CA, Oct. 16-18, 1985.

Lamm, D V
Acquisition strategy
TIMS/ORSA Joint Nat. Mtg., Los Angeles, CA, Apr. 14-16, 1986.

Liao, S S
An analysis of competitive major weapon systems procurement
Amer. Soc. of Public Administration Western Regional Mtg., Monterey, CA, Nov., 1985.

Liao, S S
Analytical techniques for financial planning and control
Amer. Inst. for Decision Sciences 1985 Annual Mtg., Las Vegas, NV, Nov., 1985.

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Liao, S S; Boger, D C
Dual adwards and contractor gaming in defense procurement
TIMS-ORSA Washington, D.C., April 25-27, 1988.

Liao, S S; Moore, T P; Mackel, A G
Modeling the aviation logistic support system for a Navy aircraft carrier
1988 Annual Meeting of Decision Sciences Institute, November 21-23, Las Vegas, NV.

McCaffery, J L
The computer revolution continues
Region X Conference of the American Society for Public Administration, Oakland, CA., October 1988.

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.

McCaffery, J L
Computers and local government
Western Governmental Research Association, San Francisco, CA., April, 1988.

McMasters, A W
A new wholesale replenishment model for the U.S. Navy
TIMS/ORSA New Orleans Joint Nat. Mtg., New Orleans, LA, May, 1987.

Mehay, S L
Allocation of time to second jobs: Civilian versus military alternatives
European Institute of Management Science Annual Conference, Paris, France, July, 1988.

Mehay, S L; Gonzalez, R
An analysis of minority employment in pubic occupations
Public Choice Soc. Annual Meetings, Baltimore, MD, Mar., 1986.

Mehay, S L; Gonzalez, R
Bureaucracy, excess supply, and discrimination in local public employment
Southwestern Social Sci. Asso. Annual Meetings, San Antonio, TX, Mar. 1986.

Mehay, S L; Gonzalez, R
Employment patterns in municipal government
Western Econ. Asso. Annual Meetings, San Francisco, CA, Jul, 1986.

Mehay, S L; Gonzalez, R
Municipal annexation and interjurisdictional mobiltiy
Western Regional Sci. Asso., 25th Annual Mtg., Laguna Beach, CA, Feb. 1986.

Mehay, S L; Gonzalez, R
Economies of size in defense spending: A cross-national analysis
Annual Meetings of the Association of Public Policy and Management, Washington, DC, November, 1987.

Mehay, S L; Gonzalez, R
Testing for union productivity effects: An indirect method
Annual Meeting of the Public Choice Society, San Francisco, CA., March, 1988.

Mehay, S L; Solnick, L
Defense spending and state economic growth
Annual Meeting of the Western Economic Association, Los Angeles, CA., July, 1988.

Mehay, S L; Solnick, L
Defense spending, technology transfer and regional growth
European Regional Science Association Summer Institute, Arco, Italy, July, 1988.

Moore, T P
A classification hierarchy for repairable equipment logistic systems
TIMS/ORSA Joint Nat. Mtg., Boston, MA, Apr. 29 - May 1, 1985.

Moore, T P
Modeling multiple repairable equipment and logistic systems
Soc. of Logistics Engineers 20th Int. Symp., San Diego, CA, Aug. 20-22, 1985.

Moses, O D
Income strategy and nontax influences on the switch to LIFO
Am. Accounting Asso. Western Regional Mtg., Costa Mesa, CA, Apr., 1986.

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Moses, O D
Analysts' earnings forecasts: An alternative data source for failure prediction
Am. Accounting Assoc. Mid Atlantic Regional Mtg., Atlantic City, NJ, April, 1987.

Moses, O D
The effect of financial condition on product pricing strategy
American Accounting Assoc. Ann. Meeting, Cincinnatti, OH, August, 1987.

Moses, O D
On cash flow signals and forecast of future earning
Presented at the American Accounting Association Western Regional Meeting, Monterey, CA., April, 1988.

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.

Raghu Sing, R; Schneidewind
Concept of a software quality metrics standard
31st IEEE Computer Soc. Int.. Con., San Francisco, CA, Mar. 3-6, 1986.

Roberts, B J
Managerial excellence in the military: Enhancing efficiency and effectiveness
Am. Soc. for Public Administration, Regions IX and X, Western Governmental Res. Assoc., Monterey, CA, Oct., 1985.

Roberts, B J; Eoyang, C K
Humanizing warriors: Organization development and the military
Int'l. Conf. on Organizational Symbolism and Corporate Culture, Montreal, Canada, 1986.

Roberts, B J; Eoyang, C K
Humanizing Warriors: Organizational development and the military
The Int. Conf. on Organization Symbolism and Corporate Culture, Montreal, Canada, June 25-27, 1986.

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CONFERENCE PRESENTATIONS (cont'd)

Roberts, N C
Holonomic power structures & Cognitive maps
Sunbelt VI Social Network Conf., Santa Barbara, CA, Feb. 13-16, 1986.

Roberts, N C
A developmental perspective on power: Some preliminary findings
Social Psychology and Personality Colloquim, University of California, Santa Cruz, November 12, 1987.

Roberts, N C; King, P
Policy entrepreneurs: Key participants in the policy formulation process
Eighth Annual APPAM Conference, Lyndon B. Johnson School of Public Affairs, University of Texas at Austin, October 30 - November 1, 1987

San Miguel, J G
Budgetary processes for management control in U.S. companies
College on Manage. Controls, ORSA/TIMS Nat. Mtg., Atlanta, GA, Nov. 4-6, 1985.

Schneidewind
Application of software quality standards to the acquisition and development phases
DoD Software Technol. for Adaptable, Reliable Systems (STARS) Business Practices Area Manage. Workshop, Los Angeles, CA, Nov. 18-22, (1985).

Schneidewind
Design optimization session
Pacific Computer Communications Symp., Seoul, Republic of Korea, Oct. 21-25, 1985.

Schneidewind
Distributed system software design paradigm with application to computer networks
Pacific Computer Communications Symp., Seoul, Republic of Korea, Oct. 21-25, 1985.

Schneidewind
Panel session: Software from here to eternity
Conf. on Software Maintenance-1985, Washington, DC, Nov. 11-13, 1985.

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CONFERENCE PRESENTATIONS (cont'd)

Schneidewind
Tutorial on software engineering for distributed computing systems
Pacific Computer Communications Symp., Seoul, Republic of Korea, Oct. 21, 1985.

Schneidewind
Quality metrics standards applied to software maintenance
Computer Standards Conf. 1986, San Francisco, CA, May 13-15, 1986.

Schneidewind
How the IEEE standard (draft) for a software quality metrics methodology could assist in achieving maintainable software
Conf. on Software Maintenance- 1987, Austin, TX, September, 1987.

Schneidewind
Plenary panel session perspectives on software maintenance
Conf. on Software Maintenance- 1987, Austin, TX, September, 1987.

Schneidewind
The IEEE software quality metrics draft standard: Emphasis on s/w maintainability
5th Ann. Log. Symp., San Francisco Bay Area Chapter, SOLE and Dept. of Admin. Sciences, Naval Postgraduate School, Monterey, CA, May, 1987.

Schneidewind, N F
Future of networking (Panel member)
National Computer Conference, Chicago, Ill., July 18, 1985.

Sivasankaran; Bui, T
A rule-based Bayesian architecture for monitoring learning process in ICAI systems
IEEE Int. Conf. on Systems, Man and Cybernetics, Atlanta, GA, Oct. 14-17, 1986

Sivasankaran; Bui, T
A distributed ES architecture for strategic decision making
Jt Natl. Meeting of TIMS/ORSA, New Orleans, LA, May, 1987.

Sivasankaran; Bui, T
An ES to detect espionage activities through the analysis of individual financial profiles
Western Conf. on Expert Systems, Anaheim, CA, June, 1987.

Sivasankaran; Bui, T
Coupling ES with DBMS in a computer-aided defense instructional environment
Technology in Training and Education Conf., Colorado Springs, CO, March, 1987.

Sivasankaran; Bui, T
Identifying organizational opportunities for GDSS use: Some experimental evidence
Seventh Intl. Conf. on Decision Support Systems, San Francisco, CA, June, 1987.

Sivasankaran; Bui, T
Integrating modular design with adaptive design in DSS prototyping: An archipelaian approach
Hawaiian Conf. on Systems Sciences, Hawaii, January, 1987.

Sivasankaran; Ruby, R
A design--theoretic approach for a network based intelligent instructional system
Air Force Conf. on Technol. in Training and Educ., Montgomery, AL, Mar. 10-13, 1986.

Sivasankaran; Ruby, R
Participative multi-role instruction in a distributed knowledge-base environment
28th Int. Conf. on Computer-based Educ. and training, Washington, DC, Nov. 10-13, 1986.

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
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.

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Solnick, L M
Promotions, pay, performance ratings and voluntary separations
12th Annual Convention, Eastern Econ. Asso., Philadelphia, PA, Apr., 1986.

Solnick, L M
Educational background and job success among black college graduates
Eastern Edconomic Assoc. 13th Ann. Meeting, Washington, DC, March, 1987.

Solnick, L M
Performance ratings, promotions, family status and female quitting
TIMS/ORSA Joint Natl. Meeting, New Orleans, LA, May, 1987.

Solnick, L M
Promotions, job tenure and quitting
Western Economic Assoc. Ann. Meeting, Vancouver, BC, July, 1987.

Solnick, L M
Defense spending and state economic growth
Annual Meeting of the Western Economic Association, Los Angeles, CA., July, 1988.

Solnick, L M
Marital status, children and female quitting
Allied Social Sciences Association Annual Meeting, Labor Economics and Labor Markets, Industrial Relations Research Association, December, 1988.

Suchan, J
Group decision support systems: A communication break-through or HIgh-Tech barrier?
Am. Business Communications Int. conf., Los Angeles, CA, Nov. 1986.

Suchan, J
Role adoption: A new method for assessing the writer-reader relationship in managerial communication
Am. Business Communication/Soc. for Technical Communications Conf., Calgary, Alberta, Canada, Apr., 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONFERENCE PRESENTATIONS (cont'd)

Suchan, J
The effect of high impact writing on the reader's image of the writer.
Southwestern Federation of Administrative Disciplines, Dallas, TX, Mar., 1986.

Suchan, J
Businesspeople's resistance to the plain language movement
The Assoc. for Business Communication West/Northwest Conf., Monterey, CA, March, 1987.

Suchan, J; Boya, U
Readability formulas and print ads: Problems and a new approach.
Am. Marketing Asso. Educators' Conf., Chicago, IL, Aug., 1986.

Suchan, J; Bui, T; Dolk, D R
GDSS effectiveness: Identifying organizational opportunities
20th Hawaii Intl. Conf. on System Sciences, Kona, HI, January, 1987.

Suchan, J; Colucci, R J
Attributes public sector professionals ascribe to writers of high impact and bureaucratic communications
The Assoc. of Business Communication Intl. Conf., Atlanta, GA, October, 1987.

Thomas, G W
Family human capital formation and organizational following: U.S. military officers
Eastern Econ. Asso. Nat. Mtg., Philadelphia, PA, Apr. 1986.

Thomas, G W; Borack, J I; Mehay, S L
Modeling local labor market potential of the U.S. Army Reserves
Inst. of Manage. Sci. 27th Int. Mtg., Gold Coast, Australia , July, 1986.

Thomas, K W
An overview of conflict and conflict management
Organizational Conflict: Looking Back, Looking Forward, First Intl. Conf. of the Conflict Management, Fairfax, VA, June, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONFERENCE PRESENTATIONS (cont'd)

Thomas, K W
Norms as an integrating theme in conflict management: Correcting our sociopathic assumptions
First Intl. Conf. of the Conflict Management Group, Fairfax, VA, June, 1987.

Thomas, K W
Conflict management
Retrospective and Future Directions in Education and Research on Power, Conflict, and Negotiations, Anaheim, CA., August, 1988.

Thomas, K W
Conflict management, presentation during session on taking stock retrospective and future directions in education and research on powerconflict and negotiations
Academy of Management, Anaheim, CA., August 1988.

Thomas, K W; Tymon, W G
Testing an interprective model of intrinsic work motivation
24th International Congress of Psychology, Sydney, Austraila, September, 1988.

Thomas, K W; Tymon, W G
Testing and presentation: Interpretive model of intrinsic work motivation
24th International Congress of Psychology, Sydney, Australia, September, 1988.

Thomas, K W; Velthouse, B A
The compatibility of individual empowerment and organizational performance: Two levels of analysis
Ann. Meeting of the Academy of Management, New Orleans, LA, August, 1987.

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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONTRIBUTIONS TO BOOKS

Binkin, M; Eitelberg, M J
Women and minorities in the all-volunteer force
IN W. Bowman, R. Little, and G.T. Sicilia, eds.: The All-Volunteer Force after a Decade: Retrospect and Prospect, New York, NY, Pergamon-Brassey's, 1986, p. 73-102.

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.

Bui, T
Planejamento executivo com BASIC
Rio de Janeiro, Brazil, Livros Tecnicos e Cientificos Editora S.A., 1986. 160 p.

Ein-Dor, P; Jones, C R
Information systems management: Analytical tools and techniques
Elsevier, New York, N.Y., 1985. 288 p.

Evered, R
Transfering managerial and organizational research: Creating a science that works
IN Tannenbaum, et al., eds.: Human Systems Development, Jossey-Bass, 1985, p. 419-457.

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.

Jarke, M; Bui, T; Jelassi, T
Micro-mainframe link in group decision support systems
IN M. Jarke, ed.: Managers, Micros and Mainframes, New York, NY, John Wiley and SOns, 1986, p. 205-218.

Jones, L
University budgeting for critical mass and competition
New York City, NY: Preager, 1985.

Liao, S S
Analytical techniques for financial control and planning
IN T. J. Burns, ed.: Accounting trend, McGraw-Hill, 1987, p. 40-42.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONTRIBUTIONS TO BOOKS (cont'd)

Mehay, S L
Modeling local market potential for the U.S. Army reserve
IN H W Sinaiko and K J Coffey, eds: Reserve Manpower, Personnel, and Training Research, Smithsonian Institution, 1986, p. 31-35.

Mehay, S L; Gonzales, R
Consumption and production economies for local government services
IN John Quigley, ed.: Perspectives on local public finance and public policy, Greenwich, CT, JAI Press, 1985.

Roberts, N C; Bradley, R T
Limits to charisma
In Charismatic Leadership in Management, Jossey-Bass, ch. 9, pp. 253-275, 1988.

Roberts, N C; King, P
The process of public policy innovation
Research on the Management of Innovation, vol. 2, A. Van de Ven, S. Poole and H. Angle (Eds), New York: Ballinger, 1988.

San Miguel, J
Case studies: NCR Corp., Leasco Corp., H.J. Heinz Co.
IN Kenneth Ferris, ed: Corporation financial reporting, Business Publications, Inc., 1986.

San Miguel, J G
H. J. Heinz Company
IN K. R. Ferris, ed.: Financial accounting and corporate reporting: A casebook, Business Publications, Inc., 1985.

San Miguel, J G
Leasco corporation
IN K. R. Ferris, ed: Financial accounting and 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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONTRIBUTIONS TO BOOKS (cont'd)

Schneidewind
Tutorial on software engineering for distributed computing systems
Seoul, Republic of Korea, Korea Advanced Inst. of Sci. and Technol., 1985. 75 p.

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.

Schneidewind, N F
Local area networks
IN Yearbook of science and technology (1986), McGraw-Hill, 1985, p. 259-262.

Sivasankaran
Coupling expert systems and actuarial pricing models
IN J. Kowalik, ed.: Coupling symbolic and numerical computing in expert systems, North-Holland, 1986, p. 263-271.

Thomas, K W
Troubled waters: A sourcebook of cases in organization and management
N.C. Roberts (ed), Naval Postgraduate School, 1988.

Thomas, K W; Roberts, N C
Troubled waters: A sourcebookof cases in management and organization
Naval Postgradutate School, Monterey, CA., 1988.

Weitzman, R A
Review of the Armed Services Vocational Aptitude Battery
IN Ninth mental measurements yearbook, Univ. of Nebraska Press, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

Abdel-Hamid, T; Madnick, S E
Impact of schedule estimation on software project behavior
IEEE Software, July, 1986.

Abdel-Hamid, T; Madnick, S E
Estimation on software project behavior
IEEE Software, July, 1986.

Abdel-Hamid, T K; Madnick, S E
The economics of software quality assurance: A system dynamics simulation approach
The Annals of the Soc. of Logistics Engineers, vol. I, no. 2, (October, 1987).

Addel-Hamid, T
Understanding the 90% syndrome in software project management: A simulation-based case study
Journal of Systems and Software, September, 1988.

Agee, M H; Brammer, K W; Fabrycky, W J; Malmborg, C J; Moore, T P
Predicting life cycle cost and maintenance requirements
Federal Acquisition Res. Symp., Fort Belvoir, VA, 1985.
IN Proc., Federal Acquisitions Res. Symp., p. 321-325, (1985).

Ahituv, N; Neumann, S; Zviran, M
Information systems planning in Israel
Proceedings of the 23rd Annaul Conference on Data Processing, IPA, Tel Aviv, pp. 151-165, October, 1988.

Boger, D C
Statistical models for predicting overhead costs
1985 Federal Acquisition Res. Symp., Richmond, VA, Nov. 20-22, 1985.
IN Proc., Defense Systems Manage. College, p. 259-263, (1985).

Boger, D C
Evaluation of alternative techniques for predicting aerospace contractor overhead costs
DoD Cost Analysis Symposium, Leesburg, VA, September, 1987.
IN Proc., USAF OCA, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Boger, D C; Greer, W R; Liao, S S
Dual sourcing and cost savings
1985 Federal Acquisition Res. Symp., Richmond, VA, Nov. 20-22, 1985.
IN Proc., Defense Systems Manage. College, p. 179-198, (1985).

Boger, D C; Jee, M W
Potential Korean contributions to the U.S. mobilization base
Proceedings of the Seventh Mobilization Conference, National Defense University, pp. 171-197, April, 1988.

Boger, D C; Liao, S S
Estimating nonrecurring costs for dual sourcing decisions
J. of Parametrics, vol. 6, no. 2, p. 66-78, (June, 1986).

Boger, D C; Liao, S S
An analysis of dual awards quantity-split models
Program Manager, vol. 16, no. 2, p. 30-37, (March-April, 1987).

Boger, D C; Lyons, N R
The organization of the software quality assurance process
Database, p. 11-16, (Winter, 1985).

Boger, D C; Myers, C F
Measuring the effects of competition on motor carrier rates: DoD's guaranteed traffic program
1986 Annual Mtg. Transportation Res. Forum, Seattle, WA, Sep. 21-24, 1986.
IN Proc., Transportation Res. Forum, vol. 27, no. 1, p. 172-180, (1986).

Bromiley, P; Euske, K J
The use of rational systems in bounded rationality organizations: A dilemma for financial managers
Financial Accountability & Management, vol. 2 no. 4, p. 311-320, (Winter, 1986).

Brubaker, E R
Effecient allocation and unanimous consent with incomplete demand disclosures
Public Choice, vol. 48, no. 3, p. 217-227, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Bui, T
A consensus seeking algorithm for group decision support systems
IN Proc., IEEE Int. Conf. on Systems, Man and Cybernetics, (Nov., 1985).

Bui, T; Jarke, M
Communications design of Co-oP: A group decision support system
ACM Transactions on Office Information Systems, vol. 4, no. 2, (Apr., 1986).

Bui, T; Jarke, M
Communications requirements for group decision support systems
J. of Manage. Information Systems, vol. 2, no. 4, (Spring, 1986).

Bui, T; Jarke, M
Design of communications protocols in group decision support systems
19th Hawaii Int. Conf. on System Sciences (HICSS), Honolulu, HI, Jan. 7-10, 1986.
IN Proc., 1986 Hawaii Conf. on System Sciences, vol. 19-1A, (Jan., 1986).

Bui, T; Sivasankaran, T
Cost-effectiveness modeling for a decision support system in computer security
Computers and Security, vol. 5, no. 4, (Dec., 1986).

Bui, T; Sivasankaran, T R
A Bayesian diagnostic model for intelligent CAI systems
IN Proc., 1985 IEEE Int. Conf. on Systems, Man and Cybernetics, (Oct., 1986).

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).

Cooper, C G; Fischbeck, P S; Jones, C R
Message screening board automation: A knowledge engineered approach
DSS-86, Washington, DC, Apr. 21-24, 1986.
IN DSS-86 Trans., Inst. of Manage. Sciences, p. 261-270, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Dolk, D R
A general model management system for mathematical programming
ACM Trans. on Mathematical Software, (Sep., 1986).

Dolk, D R
Data as models: An approach to implementing model management
Decision Support Systems, vol. 2, p. 73-80, (1986).

Dolk, D R
D.R. Dolk. Relational database management systems and model management: A tutorial.
Mathematical Models for Decision Support, G. Mitra, ed., NATO ASI Series, Springer-Verlag, 1988, 323-346.

Dolk, D R
Model management systems for operations research: A prospectus.
Mathematical Models for Decision Support, G. Mitra, ed., NATO ASI Series, Springer-Verlag, 1988, 347-347.

Dolk, D R
Relational database management systems and model management: A tutorial
Mathematical Models for Decision Support, G. Mitra, ed. ,NATA ASI Series, Springer-Verlag, pp1323-346, 1988.

Dolk, D R; Kirsch, R A
A relational information resource dictionary system
Communications of the ACM, vol. 30, no. 1, p. 48-61, (January, 1987).

Dolk, D R; Kottemann, J R
Process-oriented model integration
Proceedings of the 21 Hawaii International Conference on System Sciences, Vol III, IEEE Computer Society Press, Janaury 1988, 396-403.

Dolk, D R; Noel, A F
A relational dictionary prototype for implementing model management
HICSS - 19, Honolulu, HI, 1986.
IN Proc., 19th Hawaii Int. Conf. on System Sciences 1986, Western Periodicals Co., p. 405-415. (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

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
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
Implications of the new ASVAB reference population: Discussant remarks
IN Implications of a New ASVAB Reference Population on Military Manpower. Office of the Sec. of Defense, Technical Memorandum 85-2, p. 30-38, (Sep., 1986).

Euske, K J
A model for the control of end-user computing
International Conference of the Association for European Operational Research Societies and the Institute of Management Science (EURO IX/TIMS XXVIII), July 6-8, 1988.

Euske, K J
Behavioral Research in Accounting: The issue of diverse paradigms
Presented at the University of Missouri, Columbia, March 25, 1988.

Euske, K J; Ansari, S
Rational, rationalizing, and reifying uses of accounting data in organizations
Accounting, Organizations, and Society, 12 (6), pp. 549-570, 1987.

Euske, K J; Ansari, S L
The use of the accounting system for measuring productivity in a large scale organization
17th Annual Nat. Amer. Inst. for Decision Sciences Conf., Las Vegas, Nevada, Nov. 11-13, 1985.
IN Proc., Amer. Inst. for Decision Sciences, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Euske, K J; Bayless, J
A complement to strategic planning
Proceedings 1986 Annual Meeting of the Decision Sciences Institute, Honolulu, Hawaii, November 23-25, 1986.

Euske, K J; Blondin, P
Accrual accounting in a federal agency
Government Accountant's J., vol. 34, no. 3, p. 42-45, (Fall, 1985).

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; Osterhoudt, R
Accounting for military human resource costs
Defense Analysis, pp. 367-371, December, 1987.

Euske, N; Euske, K J
Nonprofit organizations viewed from an institutional perspective
Proceedings 1986 Annual Meeting of the Decision Sciences Institute, Honolulu, Hawaii, November 23-25, 1986.

Euske, N A; Euske, K J
Non-profit organizations viewed from the institutional perspective
Decision Sciences Institute Annual Meeting, Honolulu, HA, November, 1986.
IN Proc., DSI, (1986).

Evered, R; Selman, J
Managers anonymous
New Management, vol. 6, 2, Fall, 1988.

Fremgen, J M
On the role of depreciation in governmental accounting
Government Accountants J., vol. 34, no. 4, p. 10-23, (Winter, 1985-86).

Giladi, R; Zviran, M
Trends in computer technology and their effect on organizational information systems
MACHSHEVIM Proceedings of the 2nd Annual Conference for MIS, Tel Aviv, pp. 23-26, August, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Gonzalez, R
Registration requirements and election outcomes: A comment
Southwestern Journal of Economic Abstracts, vol. 9, no. 1, 1988.

Gonzalez, R; Mehay, S
Economies of city size in a price searcher model of a local fiscal behaviour
Public Finance, vol. 42, 1987.

Gonzalez, R; Mehay, S
Non-Clearing labor markets and minority employment in municipal government
Journal of Labor Research, vol. 9, no. 2, 1988.

Greer, W R; Liao, S S
An analysis of defense business profitability and its impact on weapon system acquisition policy
Amer. Inst. for Decision Sciences 1985 Annual Mtg., Las Vegas, NV, Nov., 1985.
IN Proc., Amer. Inst. for Decision Sciences, p. 686-688, (Nov., 1985).

Greer, W R; Liao, S S
An analysis of risk and return in the defense market: Its impact on weapon system competition
Manage. Sci., vol. 32, no. 10, p. 1259-1273, (Oct., 1986).

Greer, W R; Liao, S S
An analysis of risk and return in the defense market: Its impact on weapon system competition
Management Science, vol. 32, no. 10, p. 1259-73, (Oct., 1986).

Greer, W R; Liao, S s
Forecasting capacity and capacity utilization in the U.S. aerospace industry
J. of Forecasting, vol. 5, no. 1, p. 57-67, (Jan.-Mar., 1986).

Greer, W R; Rockness, H O
Management decision support system for a medical group practice
J. of Information Systems, vol. 1, no. 2, p. 65-79, (Spring, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

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).

Henderson, D R
The international energy agency's oil-sharing plan: Who shares with whom?
The Energy Journal, vol. 8, no. 4, pp. 21-31, October, 1987.

Henderson, D R
Review of: Witness to a revolution? An insiders account of the polices and the people, by Martin Anderson
Reason, December, 1988.

Herring, D L; Liao, S S
Commodity price forecasting
J. of Business Forecasting, vol. 5, no. 2, p. 18-20, (Summer, 1986).

Jones, L
Trouble in the municipal bond market: The WPPSS default
Public Budgeting and Finance, Winter, 1985.

Jones, L
Will deregulation give business more influence in gevernment decision making?
Canadian Business Review, December, 1985.

Jones, L
Budget deficits and restraint management in Western Canadian provincial governments
American Review of Canadian Studies, Fall, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Jones, L
Financial restraint management and budget control in Canadian provincial government
Canadian Public Administration, February, 1986.

Jones, L
Coping with revenue constraints: Canadian government responses
Fear and Ferment: Public Sector Management Today, Montreal, Quebec, Institute for Research on Public Policy, 1987.

Jones, L; Nichol, M
Comprehensive reform of health care regulation: Cost and control and universal access
Journal of Health and Human Resource Administration, April, 1986.

Jones, L; Schwartzrock, K
Computers and systems analysis for state and local government financial management
Social Science Microcomputer Review, April, 1986.

Jones, L; Thompson, F
Controllership in the public sector
Journal of Policy Analysis and Management, Spring, 1986.

Jones, L; Thompson, F
Reform of budget execution control
Public Budgeting and Finance, June, 1986.

Jones, L; Thompson, F
Policy as science: Analysis of health and safety regulation
S. Nagel, ed., Public Policy Analysis and Management Annual, Greensich, CT., JIA Press, 1988.

Jones, L; Thompson, F; Zumeta, W
Reform of budget control in higher education
Economic of Education Review, May, 1986.

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).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Lamm, D V
Acquisition strategy
1985 Federal Acquisition Res. Symp., Richmond, VA, Nov. 22, 1985.
IN Proc., 1985 Federal Acquisition Re. Symp., p. 71-77, (1985).

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).

Lamm, D V
Acquisition Strategy
Government Contracts Service, Issue 19-86, p. C1-C6, (October, 1986).

Lamm, D V
Certificaiton-professionalism in action
Contract Management, vol. 27, Issue 11, pp. 20-23, November, 1987.

Lamm, D V
CSG corporation
Contracts Management: Post Award, Wordcrafters Publications, pp. 378-382, 1987.

Lamm, D V
Grading the CPCM examination
Contract Management, vol. 27, Issue 11, pp. 24, 27, November, 1987.

Lamm, D V
Seller pricing strategies: A buyer's perspective.
Journal of Purchasing and Materials Management, Vol 24, No. 3, Fall 1988, pp 9-13.

Lamm, D V
Why companies refuse department of defense contracts: An Analysis of Reasons and Rationale
National Contract Management Journal, Winter 1988, Vol 21, Issue 2, pp. 45-55.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Lamm, D V; Tracy, E A
Loss of manufacturing sources: An analysis of alternative solutions
National Contract Management J., vol. 21, Issue 1, p. 35-44, (Summer, 1987).

Liao, S S
Analytical techniques for financial planning and control
Amer. Inst. for Decision Sciences 1985 Annual Mtg., Las Vegas, NV, Nov., 1985.
IN Proc., Amer. Inst. for Decision Sciences, p. 192-194, (Nov., 1985).

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
A spreadsheet approach to receivable payments pattern analysis
Journal of Financial Education, pp. 78-85, 1987.

Liao, S S
An analysis of data requirements for parametric models of nonrecurring costs, Journal of Parametrics, Vol. VIII, No. 2 (June 1988), pp. 25.

Liao, S S
Modeling the Aviation Logistic Support System for a Navy Aircraft carrier
Proceedings of the 1988 Annual Meeting of Decision Science Institute, Las Vegas, NV., November 21-23, 1988.

Liao, S S
The learning curve: Wright's model vs. Crawford's model
Issues in Accounting Education, vol. 3, no. 2, pp. 302-315, Fall, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Liao, S S; Boger, D C
Quantity-Split Strategy under two-contractor competitive procurement environment
Naval Postgraduate School, Monterey, CA (NPS-54-88-008), August 1988.

Liao, S S; Greer, W R
Weapon pricing models for defense acquisition policy
Journal of Accounting and Public Policy, vol. 6, no. 4, pp. 271-284, 1987.

Liao, S S; Thomas, G W
A personnel planning model: Estimating the turnover among experienced military employees
Defense Analysis, vol. 1, no. 4, (1985).

Liao, S S; Thomas, J W; Eoyang, C; Hayden, D C
Risk preference in military decision making: An empirical study
Journal of Political and Military Sociology, vol. 15, no. 2, pp. 245-262, Fall, 1987.

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).

Mehay, S L
Municipal utilities and public finance: A simultaneous model
Public Choice, vol, 57, pp. 201-212, 1988.

Mehay, S L
Non-clearing labor markets and minority employment in municipal government
Journal of Labor Research, vol. 9, pp. 127-138, Spring, 1988.

Mehay, S L; Deno, K
Institutional constraints on local jurisdiction formation
Public Finance Q., vol. 13, no. 4, p. 450-463, (Oct., 1985).

Mehay, S L; Gonzalez, R
Economic incentives under contract supply of public services
Public Choice, vol. 46, no. 1, p. 79-86, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Mehay, S L; Gonzalez, R
The relative effect of unionization and interjurisdictional competition on municipal wage levels
J. of Labor Res., vol. 7, no. 1, p. 79-93, (Winter, 1986).

Mehay, S L; Gonzalez, R
Economies of city size in a price searcher model of local government
Public Finance, vol. 42, no. 2, pp. 236-249, 1987.

Mehay, S L; Seiden, K
Municipal Residency Laws and local public budgets
Public Choice, vol. 48, no. 1, p. 27-35, (1986).

Moore, T P
Modeling multiple repairable equipment and logistic systems
Soc. of Logistics Engineers 20th Int. Symp., San Diego, CA, Aug. 20-22, 1985.
IN Proc., Soc. of Logistics Engineers, p. Moore 1-8, (1985).

Moore, T P
Optimal design and operation of logistic systems comprised of finite populations of repairable equipment
The Annals of the Soc. of Logistics Engineers, vol. 1, no. 1, p. 86-90, (October, 1986).

Moses, O D
Income strategy and nontax influences on the switch to LIFO
Am. Accounting Asso. Western Region Mtg., Costa Mesa, CA, Apr., 1986.
IN Economics of Accounting, Am. Accounting Asso., p. 132-141, (1986).

Moses, O D
Income smoothing and incentives: Empirical tests using accounting changes
The Accounting Review, vol. LXII, no. 2, p. 358-377, (April, 1987).

Moses, O D
On cash flow signals and forecasts of future earnings
Proceedings of the American Accounting Association Western Regional Meeting,, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Moses, O D; Liao, S S
Predicting bankruptcy of private firms: A simplified approach
Annual National Meeting of the Institute of Decision Sciences, Honolulu, HA, November, 1986.
IN Proc., Institute of Decision Sciences, (1986).

Moses, O D; Liao, S S
Predicting contractor financial stability: New insight for source selection
Program Manager, (Nov.-Dec., 1986).

Moses, O D; Liao, S S
On developing models for failure prediction
The J. of Commercial Bank Lending, vol. 69, no. 7, p. 27-38, (March, 1987).

Moses, O D; McGrath, K
Financial condition and contractor pricing strategy
Program Manager, vol. 16, no. 5, p. 11-19, (Sept-Oct, 1987).

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).

Raghu Singh, R; Schneidewind
Concept of a software quality metrics standard
31st IEEE Computer Soc. Int. Conf., San Francisco, CA, Mar. 3-6, 1986.
IN Digest of Papers, IEEE Computer Soc., p. 362-368, (1986).

Roberts, B J; Barko, W
Some difficulities in implementing change in complex military bereaucracies
Journal of Applied Behavoiral Science, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Roberts, B J; Barko, W
Organizational effectiveness in the United States Army
Public Administration Quarterly, vol. 10, no. 3, p. 325-335, (Fall, 1986).

Roberts, B J; Barko, W
Organizational effectiveness in the United States Army
Public Administration Quarterly, vol. 10, 3, Fall, pp. 325-335, 1986.

Roberts, B J; Eoyang, C
Humanizing warriors: Organization development and the military
J. of the Standing Conference on Organization Symbolism, no. 5, p. 114-126, (1986).

Roberts, B J; Eoyang, C K
Humanizing warriors: Organizational development and the military
J. of the Standing Conf. on Organizational Symbolism, no. 5, p. 114-126, (June, 1986).

Roberts, N C
Transforming leadership: A process of collective action
Human Relations, vol. 38, no. 11, p. 1023-1046, (1985).

Roberts, N C
Power Styles: Collective and competitive power under varying organizational conditions
J. Applied Behavior Sci., vol. 22, no. 4, (1986).

Roberts, N C; King, P
Policy Entrepreneurs: Catalysts for innovative public policy
Academy of Management Best Paper Proceedings, Frank Hoy, Academy of Management, pp. 313-317, 1988.

Schneidewind
Introducing the fundamental concepts series
IEEE Software, vol. 3, no. 6, p. 58-59, (Nov., 1986).

Schneidewind
Quality metrics standards applied to software maintenance
Computer Standards Con, May 13-15, 1986.
IN Proc. (Addendum), IEEE Computer Soc., (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Schneidewind
Application of software quality standards to the acquisition and development phases
DoD Software Technol. for Adaptable, Reliable Systems (STARS) Business Practice Area Manage. Workshop, Los Angeles, CA, Nov. 18-22 (1985).
IN Workshop proc.., DoD STARS Program Office, (1986).

Schneidewind
Introduction to the special section on software maintenance
IEEE Transactions on Software Engineering, SE-13, no. 3, p. 301-302, (March, 1987).

Schneidewind
The state of software maintenance
IEEE Transactions on Software Engineering, SE-13, no. 3, p. 303-310, (March, 1987).

Schneidewind,
Distributed system software design paradigm with application to computer networks
IEEE Global Telecommunications Conference, Houston, TX, December, 1986.
IN IEEE Global Telecommunications Conf. Record, vol. 3, IEEE, p. 168-1474, (1986).

Schneidewind, N F
Future of networking (Panel member)
National Computer Conference, Chicago, Ill., July 18, 1985.
IN Proc., AFIPS Press, p. 648, (1985).

Sivansankaran; Ruby, R
A distributed knowledge-base instructional environment
J. of computer Information Systems, vol. 28, no. 1, p. 3-7, (Fall, 1987).

Sivasankaran; Bui, T
A rule-based Bayesian architecture for monitoring learning process in ICAI systems
IEEE Int. Conf. on Systems, Man and Cybernetics, Atlanta, GA, Oct. 14-17, 1986.
IN Proc. IEEE, p. 932-936, (Oct., 1986).

Sivasankaran; Bui, T
Cost effectiveness modeling for a decision support system in computer security
Computers and Security, vol. 6, no. 2, p. 139-151, (April, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Sivasankaran; Bui, T
Coupling ES with DBMS in a computer-aided defense instructional environment
Technology in Training and Education Conf., Colorado Springs, CO, March, 1987.
IN Proc., TITE, (1987).

Sivasankaran; Bui, T
Identifying organizational opportunities for GDSS use: Some experimental evidence
Seventh Intl. Conf. on Decision Support Systems, San Francisco, CA, June, 1987.
IN Proc., TIMS, p. 68-75, (1987).

Sivasankaran; Bui, T
Integrating modular design with adaptive design in DSS prototyping: An archipelaian approach
Hawaiian Conf. on System Sciences, Hawaii, Jan, 1987.
IN Proc., HCSS, IEEE, (1987).

Sivasankaran; Ruby, R
A design-theoretic approach for a network based intelligent instructional system
Air Force Conf. on Technol. in Training and Educ., Montgomery, AL, Mar. 10-13, 1986.
IN Proc., U.S. Air Force Academy, vol. III, p. 92-93, (Mar. 1986).

Sivasankaran; Ruby, R
Intelligent problem solving via model management
J. of Computer Information Systems, vol. 26, no. 2, p. 7-11, (Winter 85-86).

Sivasankaran; Ruby, R
Participative multi-role instruction in a distributed knowledge base environment
28th Int'l. Conf. on Computer-Based Instructional Systems, Arlington, VA, November, 1986.
IN Proc., ADCIS, (1986).

Sivasankaran; Ruby, R
Participative multi-role instruction in a distributed knowledge-base environment
28th Int. Conf. on Computer-based Educ. and training, Washington, DC, Nov. 10-13, 1986.
IN Proc., ADCIS, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Sivasankaran; Ruby, R
A computerized advising system for enhancing academic performance and improved choice of electives
J. of Education for Business, vol. 62, no. 6, p. 270-274, (March, 1987).

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
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).

Solnick, L M
Educational backround and job success among black college graduates
Proceedings, Decision Sciences Institute 19th Annual Meeting, November, 1987.

Solnick, L M
Promotions, pay, performance ratings and quits
Eastern Economic Journal, January, 1988.

Suchan, J
Group decision support systems: A communication breakthrough or a high-tech barrier
The Assoc. for Business Communication Int'l. Conf., Los Angeles, CA, November, 1986.
IN Proc., ABC, p. 86-96, (1986).

Suchan, J; Boya, U
Readability formulas and print ads: Problems and a new approach.
Am. Marketing Asso. Educators' Conf., Chicago, IL, Aug., 1986.
IN Proc. AMA, p. 201-205, (1986).

Suchan, J; Bui, T; Dolk, D R
GDSS effectiveness: Identifying organizational opportunities
20th Hawaii Intl. Conf. on System Sciences, Kona, HI, January, 1987.
IN Proc., ICSS, p. 441-449, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

Suchan, J; Colucci, R J
Attributes public sector professionals ascribe to writers of high impact and bureaucratic communications
The Assoc. of Business Communication Intl. Conf., Atlanta, GA, October, 1987.
IN Proc., ABC, (1987).

Suchan, J; Dulek, R.
An empirical assessment of style: Trained and untrained students' responses.
J. of Business Communication, vol. 23, no. 2, p. 57-65, (Spring, 1986).

Suchan, J; Scott, C
Public sector collective bargaining agreements: How readable are they?
Public Personnel Management, vol. 16, no. 1, p. 15-23, (Spring, 1987).

Suchan, J; Scott, C.
Plain talk across the bargaining table: unclear contract language and its effect on corporate culture
Business Horizons, vol. 29, no. 1, p. 20-25, (Jan./Feb. 1986).

Thomas, K W
Psychological resources for collaboration: Empowerment as a conflict management intervention
4th Int'l Congress of French-Speaking Industrial Psychologists, Quebec City, Canada, May, 1986.
IN Psychological Dimensions of New Technologies, Univ. of Quebec Press, p. 13-23, (1987).

Thomas, K W
B.A. velthouse and K. W. Thomas, Superior-subordinate perceptions of power in use,
HRMOB Proceedings, annual national conference of the association of Human Resources Management and Organizational Behavior, 1987, Vol, I281-285.

Thomas, K W
The conflict-handling modes: Toward more precise theory
Management Communication Quarterly, Vol 1, 1988, 430-436.

Thomas, K W; Boone, L W; Velthouse, B A
An investigation of the effect of gender on managers' use of power
Natl. Conf. of the Assoc. of Human Resources Management and Organizational Behavior, New Orleans, LA, November, 1986.
IN HRMOB Proc., p. 216-220, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS (cont'd)

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

Solnick, L M
An application of event history analysis
Prepared for the Naval Postgraduate School, Monterey, CA., November, 1988.

Abdel-Hamid, T K
On the portability of quantitative software estimation models
Sponsored by Naval Postgraduate School Foundation Research Program, (NPS-54-87-007), July, 1987. 30 p.

Ansari, S; Euske, K J
Depot maintenance cost and production accounting and reporting study
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS54-87-006),July, 1987.

Boger, D C
A managerial assessment of the productivity investment fund, with R.M. Carney and K.J. Euske
Naval Postgradaute School, (NPS-54-88-001), September 1988.

Boger, D C; Jones, C R; Lyons, N R
Federal information systems management: Problems, solutions, and more problems
Naval Postgraduate School, (NPS-54-86-006), June 30, 1986. 26 p.

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; Liao, S S
On the feasibility of creating a comparable database for nonrecurring cost analysis under dual source competition
Sponsored by Naval Air Systems Command, Cost Analysis Division, Washington, DC. Naval Postgraduate School, (NPS-54-87-004), May, 1987.

Boger, D C; Liao, S S
Quantity-split strategy under two-contractor competitive procurement environment
Prepared for Naval Air Systems Command Cost Analysis Division, Naval Postgraduate School, (NPS-54-88-008), August 1988, 64 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

Boger, D C; Myers, C F
DoD's guaranteed traffic program and motor carrier rates
Naval Postgraduate School, (NPS-54-86-007), June 30, 1986.

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.

Dolk, D R
A model management system for combat simulation
Sponsored by U.S. Army TRADOC Systems Analysis Activity, White Sands Missile Range, NM. Naval Postgraduate School, (NPS-54-86-014), Nov. 12, 1986. 71 p.

Dolk, D R
Information resource management in the DCSPLANS branch of the U.S. Army Military Personnel Center
Sponsored by U.S. Army Military Personnel Center, Alexandria, VA. Naval Postgraduate School, (NPS-54-86-016), November, 1986. 43 p.

Dolk, D R
Information resources management in the DCSPLANS branch of the US Army personnel center
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS54-86-016), November, 1987.

Eitelberg, M J
A comparison of current Army and Marine Corps recruit quality requirements
Office of the Asst. Secty. of Defense, Force Management and Personnel, (Special Report to Congress), May, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

Eitelberg, M J
Population representation in the active duty military services, FY 1985
Office of the Asst. Secty. of Defense, Force Management and Personnel, (Annual Report to Congress), June 1986.

Eitelberg, M J
Representation and race in America's volunteer military
Sponsored by Office of the Assist. Sec. of Defense (Force Management and Personnel). Naval Postgraduate School, (NPS-54-86-010), Sep., 1986. 110 p.

Eitelberg, M J
American demographic trends and national security: Issues for the 21st century
Prepared for Naval Postgraduate School, (NPS-54-88-001), February 1988, 47 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.

Euske, K J
A managerial assessment of the productivity investment fund. With D. Boger and R. Carney.
Naval Postgraduate School, Monterey, CA (NPS-54-88-011), September 1988.

Euske, K J
The use of financial information in security clearance procedures
Prepared for Defense Personnel Security Research & Ed. Center, Naval Postgraduate School, (NPS-54-88-009PR), September 1988

Euske, K J
The use of financial information in security clearance procedures. With D.P. Ward.
Naval Postgraduate School, Monterey, CA (NPS-54-88-009PR), August 1988

Euske, K J; Boger, D C; Carney, R M
A managerial assessment of the productivity investment fund
Prepared for Department of Defense Room 3D264, Pentagon, Washington, DC. Naval Postgraduate School, (NPS-54-88-011), September 1988 73

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

Euske, K J; Boger, D C; Carney, R M
A managerial assessment of the productivity investment fund
Naval Postgraduate School, Monterey, (NPS-54-88-011), October 1988, 73 p.

Euske, K J; Thomas, G; Smith, D
Estimating relations in simulation models using regression: An application to military retirement costing
Prepared for the Naval Postgraduate School, Monterey CA., (NPS54-85-010), September, 1985.

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
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 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
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.

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.

Greer, W R
A method for estimating and controlling the cost of extending technology
Prepared for Naval Sea Systems Command, Washington, DC. Naval Postgraduate School, (NPS-54-88-002), March 1988, 113 p.

Haga, W J
Security violation reporting and databases in DOD
PERS-TR-88-X, December, 1988.

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)

Henderson, D R
The draft versus the all-volunteer force: An analysis of the issue.
Prepared for Naval Postgraduate School, (NPS-54-88-003), March 1988.

Jones, L R
Competition for control over defense budgeting
Office of budgets and reports OP-82, Department of the Navy, Washington, (NPS54-88-013), December 1988, 88 p.

Jones, L
Competition for control of defense budgeting
Prepared for the Naval Postgraduate School, Monterey, CA., December, 1988.

Jones, L
Program reduction: The strategic uses of evaluation, feasibility assessment and marketing
Prepared for the Naval Postgraduate School, Monterey, CA., November, 1988.

Lamm, D V
An analysis of reasons companies refuse to participate in defense business
Sponsored by Naval Postgraduate School Foundation Research Program, Monterey, CA. (NPS-54-87-003), March, 1987. 102 p.

Lamm, D V; Park, S A
Contracting as a science
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS-54-87-001), January, 1987. 39 p.

Lamm, D V; Tracy, E Q
Loss of manufacturing sources: An analysis of alternative solutions
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS-54-87-002), March, 1987. 32 p.

Lyons, N R
A decision support system for the national communications system
Sponsored by Nat. Communications System, Arlington, VA, Naval Postgraduate School, (NPS-54-85-014), Mar., 1986. 41 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

Lyons, N R
The basis for technological literacy: Experiments in exploration
Sponsored by Naval Personnel Res. & Development Center. Naval Postgraduate School, (NPS-54-86-0005), Apr., 1986. 89 p.

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
Wholesale Provisioning models: Model Evaluation
Navy Fleet Material Support Office, (NPS-55-86-011), May, 1986. 118 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.

Mehay, S L; Borack, J; Thomas, G W
Estimating local area manpower supply for the reserves
Sponsored by U.S. Army Recruiting Command. Naval Postgraduate School, (NPS-54-85-006), Sep., 1985. 39 p.

Moses. O D
Tests of the usefulness of analyst earnings forecast data in predicting bankruptcy of public corporations
Naval Postgraduate School Foundation, Naval Postgraduate School, (NPS-54-86-011), Oct. 1986. 118 P.

Moses, O D
On cash flow signals and forecasts of future earnings
Prepared for Chief of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-54-88-004), April 1988, 50 p.

Moses, O D
Analysts' earnings forecasts: An alternative data source for failure prediction
Sponsored by Naval Postgraduate School Foundation Research Program, Naval Postgraduate School, Monterey, CA, (NPS 54-86-015), Nov., 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

Moses, O D
Income smoothing: Methodology and models
Naval Postgraduate School, (NPS-54-86-004), May, 1986. 58 p.

Moses, O D
On the relationship between financial measures and contractor pricing strategy: Empirical tests in the Defense Aerospace industry
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS-54-87-008), September, 1987. 78 p.

Moses, O D
Determinants of contractor pricing strategy
Prepared for Naval Postgraduate School, Monterey, CA. (NPS-54-88-006), May 1988

Moses, O D; Liao, S S
Predicting contractor financial stability: New insight for source selection
Naval Postgraduate School, (NPS-54-86-003), Mar., 1986. 18 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.

Pasquier, J; Bui, T
ELECTRE 3, a multiple criteria decision method for ranking alternatives
Inst. of Econ. and Social Sciences, Fribourg, Switzerland, Nov., 1986.

Roberts, B J
Job chacteristics of military adjudicators
Perserec Technical Report, September, 1987.

Roberts, B J; Kocher, M K
Recruiting and retaining army nurses: An annotated bibliography
Prepared for Program Analysis and Evaluation Directorate Research and Studies Division, Fort Sheridan, IL. (NPS-54-88-015), Dec 88 66 p

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

Schneidewind
Proposed technology and procurement policy for SNAP III
Sponsored by: Naval Sea Systems Command, Naval Postgraduate School, (NPS-54-86-012), Oct., 1986. 23 p.

Sivasankaran; Bui, T
Cost-effectiveness Modeling for a DSS in computer security
Naval Postgraduate School, (NPS-54-86-008), Jul., 1986. 37 p.

Sivasankaran; Setzer, R
A logical database design for a microcomputer-based physical qualifications monitoring system
Prepared for Chief of Naval Res. Naval Postgraduate School, (NPS-54-86-009), Jul., 1986. 35 p.

Solnick, L M
Promotions, pay, performance rating and quits
Sponsored by NPS Res. Foundation. Naval Postgraduate School, (NPS-86-013), Oct., 1986. 25 p.

Solnick, L M
Educational background and job success among black college graduates
Sponsored by Naval Postgraduate School Foundation Research Program, Monterey, CA, (NPS-54-87-009), September, 1987. 32 p.

Solnick, L M
Marital status, children and female quitting
Proceedings of the Annual Meeting, Industrial Relations Research Association, December, 1988.

Solnick, L M
The effects of sea pay on reenlistments
Economics Analysis Section Military Compensation Branch, OP-134E, December 1988, 35 p.

Solnick, L M
The effects of sea pay on reenlistments and voluntary extensions
Prepared for Economics Analysis Section OP-134E, Washington, DC. Naval Postgraduate School, (NPS-54-88-012), November 1988, 35 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

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; 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.

Thomas, G W; Kocher, ; Gandolfo,
USAR Army recruiting success factors
Sponsored by the U.S. Army Rucruiting Command Program Analysis and Evaluation Directory Research and Studies Division, (NPS54-87-013), 1987, p. 165.

Thomas, K W
USAR prior service market: A comparison of active duty reeenlistment motivations with reserve enlistment intentions of active duty personnel
Prepared for the Naval Postgraduate School, Monterey, CA., 54-88-016, December, 1988.

Thomas, K W; Kocher, K
The reserve intention of active duty Army nurses
Prepared for the Naval Postgraduate School, Monterey, CA., 54-88-014, December, 1988.

Wheeler, G; Mullane, Jr; Euske, K J
An analysis of evaluator bias in the Marine corps combat readiness evaluation system
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS54-85-016), August, 1985.

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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

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.

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.

Bodapati, S; Lee, C S
Optimization studies for the development of adaptive wall wind tunnel
11th ICIASF Record in Aerospace Simulation Facilities, Standord University, Stanford, CA., August, 1895.

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.

Campbell, W H; Ko, B N; Lowe, S R; Netzer, D W
Solid fuel ramjet fuel regression rate/thrust modulation
23rd JANNAF Combustion Meeting, Hampton, VA, October, 1986.

Celik, Z Z; Bodapati, S
Evaluation of influence coefficient matrices for an adaptive wall wind tunnel and applications to one-step convergence screme
AIAA 19th Fluid Dynamics, Plasma Dynamics and Lasers Conference, Honolulu, HA, June 1987.

Celik, Z Z; Bodapati, S
Investigations of the various convergence schemes for the development of adaptive wall tunnel
AIAA 5th Applied Aerodynamics Conference, Monterey, CA, August, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS (cont'd)

Chandrasekhara,
Experimental and computational tracking of dynamic stall vortex
Presented at the 41st Annual Meeting of the Fluid Dynamics Division of the American Physical Society, Buffalo, NY., November 20-22, 1988.

Chandrasekhara,
Research activites of the joint institute conducted in the fluid mechanics laboratory
Presented to the Branch Chief of the Fluid Mechanics Branch at NASA Ames, April, 1988.

Edwards, T; Horton, K G; Redman, D; Rosa, J M; Rubin, J B; Yoon, S W; Powers, J P; Netzer, D W
Measurement of particulates in solid propellant motors
23rd JANNAF Combustion Meeting, Hampton, VA, October, 1986.

Falcovitz, J; Fuhs, A E
An integral model for thermal backscattering from the exhaust plume of a space-based HE laser
AIAA/ASME 4th Joint Thermophysics and Heat Transfer Conf., Boston, MA, June 2-4, 1986.

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.

Hebbar, S K
Pressure gradient effects in three-dimensional shear driven flows
University of Maryland, Department of Aerospace Engineering, College Park, October 4, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS (cont'd)

Hebbar, S K
Three-dimensional shear-driven boundary layer with streamwise adverse pressure gradient
1st National Fluid Dynamics Conference, Cincinnati, Ohio, July 25-28, 1988.

Kol, J; Fuhs, A E; Berger, M
Experimental investigation of aluminum combustion in steam
AIAA Aerospace Sciences Mtg., Reno, Nev., Jan., 1985.

Kol, J; Fuhs, A E; Chozev, Y
Experimental investigation of aluminum combustion in sulfur hexafluoride atmosphere
AIAA/ASME 4th Joint Thermophysics and Heat Transfer Conf., Boston, MA, June 2-4, 1986.

Kolar, R
Numerical path-integration in finite element analysis
ONR Symposium on Future Directions in Shell Research, Newport, RI, August, 1986.

Kolar, R; Sarigul, N
On the deformation of large deformation of one-dimensional structures
Proceedings of Society of Engineering Sciences, SUNY, Buffalo, NY, August 27-29, 1986.

Layton, D M
Basic aerostatics: - A tutorial
AIAA Lighter-Than-Air Technology, Norfork, Va., June, 1985.

Layton, D M
Basic aerostatics - a tutorial
Lighter Than Air Technol. Conf. (AIAA), Norfolk, VA, June 20-23, 1986.

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.

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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS (cont'd)

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

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.

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.

Scott III, C K; Netzer, D W
Metallized fuel burning characteristics in the solid fuel ramjet
23rd JANNAF Combustion Meeting, NASA-Langley Research Center, Hampton, VA, Oct. 1986.

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.

Biblarz, O
Electrode regions in dense plasmas
Published with abstracts and agenda for the 1986 AFOSR/AFRPL Chemical Rocket Res. Mtg. (1986).

Fuhs, A E; ed.
Fluid dynamics and fluid machinery
John Wiley and Sons, Inc., 1986. 1200 p.

Platzer, M F; Carta, F O
AGARD manual on aeroelasticity in axial-flow turbomachines
Volume 2, Structural Dynamics and Aeroelasticity, AGARDograph no. 298, AGARD-AG-298, vol. 2, June, 1988.

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).

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).

Bodapati, S; Lee, C S
Unsteady wake measurements of an oscillating flap at transonic speeds
American Inst. of Aeron. and Astronautics J., vol. 24, no. 12, (December, 1986).

Campbell, W H; Ko, B N; Lowe, S R; Netzer, D W
Solid fuel ramjet fuel regression rate/thrust modulation
23rd JANNAF Combustion Meeting, Hampton, VA, October, 1986.
IN 23rd JANNAF Combustion Meeting, vol. 1, p. 339-352, (October, 1986).

Edwards, T; Horton, K G; Redman, D; Rosa, J M; Rubin, J B; Yoon, S W; Powers, J P; Netzer, D W
Measurement of particulates in solid propellant motors
23rd JANNAF Combustion Meeting, Hampton, VA, October, 1986.
IN Proc., 23rd JANNAF Combustion Meeting, vol. 1, p. 119-132, (1986).

Edwards, T; Horton, K G; Redman, D; Rosa, J S; Rubin, B; Yoon, S C; Powers, J P; Netzer, D W
Measurements of particulates in solid propellant rocket motors
23rd JANNAF Combustion Meeting, Hampton, VA., CPIA no. 457, vol, I, pp. 119-132, October 20-24, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

PUBLISHED PAPERS (cont'd)

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
Fuel performance evaluation for the solid-fueled Ramjet
Int. J. of Turbo & Jet-Engines, vol. 2, no. 2, p. 157-168, (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).

Gany, A; Netzer, D W
Combustion studies of metallized fuels for solid-fuel ramjets
J. of Propulsion and Power, vol. 2, no. 5, p. 423-427, (Sept.-Oct., 1986).

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 influence of spectrum functions and filters on crossing frequency of atmospheric turbulence
J. of Atmo. and Ocean Technol. (AMS), vol. 2, no. 4, p. 590-597, (Dec., 1985)

Healey, J V
Crossing theory and atmospheric turbulence
Wind Eng., vol. 10, no. 2, p. 87-97, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

PUBLISHED PAPERS (cont'd)

Healey, J V
The prospects for simulating the helicopter/ship interface
Naval Engineers J., vol. 99, no. 2, p. 45-63, (March, 1987).

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, Norfork, Va., June, 1985.
IN Proc., AIAA, (1985).

Layton, D M
Basic aerostatics - a tutorial
Lighter Than Air Technol. Conf. (AIAA), Norfolk, VA, June 20-23, 1986.
IN AIAA Proc. 7th Lighter Than Air Technol. Conf., AIAA, (1986).

Lee, C S; Bodapati, S
A comparison between theoretical and experimental flow fields of an airfoil with deflected spoiler
AIAA 23rd Aerospace Science Meeting, Reno, NV., AIAA paper n. 85-0269, Janurary, 1985.

Miley, S J; Howard, R M; Holmes, B J
Wing laminar boundary layer in the presence of a propeller slipstream
Journal of Aircraft, vol. 25, no. 7, pp. 606-611, July, 1988.

Miller, J A
Electrostatic spray modification in gas turbine combustors
AIAA Journal Prop. and Power, 3, no. 2, pp. 187-192, 1987.

Miller, J A
A minimum lifecost strategy for steam trap maintenace
Trans. ASHRAE, 91, Pt. 1, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

PUBLISHED PAPERS (cont'd)

Milshtein, T; Netzer, D W
Three-dimensional, primitive variable model for solid-fuel ramjet
J. of Spacecraft and Rockets, vol. 23, no. 1, p. 113-117, (Jan.-Feb., 1986)

Netzer, D; Powers, J P
Particle sizing in rocket motor studies utilizing hologram image processing
Automated Reduction of Data from Images and Holograms, NASA Conf. Publication 2477, p. 589-606, (1987).

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 particulate in solid propellant combustion
AGARD Conf. on Smokeless Propellants, Florence, Italy, Sep. 12-13, 1985.
IN AGARD Conf. Proc. no. 391 - Smokeless Propellants AGARD-CP-391, AGARD, p. 19-1-19-17, (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).

Netzer, D W; Powers, J P
Experimental techniques for obtaining particle behavior in solid propulsion combustion
AGARD Conf. on Smokeless Propellants, Florence, Italy, Sept. 12-13, 1985.
IN AGARD Conf. Proc. No. 391, p. 19.1-19.17, (1986).

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).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

PUBLISHED PAPERS (cont'd)

Platzer, M F; Barinarayanan,
The mixing mechanism by organized turbulence structures in a plane jet excited by novel method
Proceedings of the IUTAM Symposium on Turbulence Management and Relaminarisation, Bangalore, India, pp. 471-484, 1988.

Platzer, M F; Boelcs, A; Fransson, T H
Numerical investigation of unsteady compressible flow through nozzles and cascades
Proceedings of the 4th International Symposium on Unsteady Aerodynamics and Aeroelasticity of Turbomachines and Propellers, Aachen, Germany, pp. 335-356, February, 1988.

Platzer, M F; Cebeci, T; Teng, N G; Krainer, A; Simoneau, R J
Progress toward the development of an inviscid/viscousinteraction method for unsteady flows in turbomachinery cascades
Proceedings of the 4th International Symposium on Unsteady Aerodynamics and Aeroelasticity of Turbomachines and Propellers, Aachen, Germany, pp. 721-753, February, 1988.

Platzer, M F; Walker, G J; Subroto, P H
Transition modeling effects on viscous/inviscid interaction analysis of low reynolds number airfoil flows involving laminar separation bubbles
ASME Gas Turbine and Aeroengine Congress, Amsterdam Netherland, no. 88-GT-32, June, 1988.

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).

Sarigul, N; Kolar, R; Sarigul, N
On the use of Bezier curves and b-splines in finite element mesh generation
Structures Congress 87 Computer Applications in Structural Engineering, Orlando, Fla, Aug. 17-20, 1987.
IN Computer Applications in Structural Engineering, American Soc. of Civil Engineers, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

PUBLISHED PAPERS (cont'd)

Scott III, C K; Netzer, D W
Metallized fuel burning characteristics in the solid fuel ramjet
23rd JANNAF Combustion Meeting, NASA-Langley Research Ctr., Hampton, VA, Oct., 1986.
IN Proc., CPIA, p. 353-364, (1986).

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.

Healey, J V
Simulating the helicopter/ship interface as an alternative to current methods of determining the safe operating envelopes
Sponsored by Air Vehicle Div., Naval Air Systems Command, Naval Postgraduate School, (NPS-67-86-003), Sept., 1986. 73 p.

Miller, J A
Stream heat distribution program users manual
TM-M73-87-20, Naval Civil Engineering Laboratory, Port Hueneme, CA., 1988.

Miller, D L; Smith, D
Dynamic modelling of an electromechanical valve using frequency response data
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS69-86-012), December, 1986,

Netzer, D W; Young; Grafton; Corner
Measurements of gas turbine combustor and engine augmentor tube sooting characteristics
Naval Air Propulsion Center, (NPS-67-88-002), September 1988, 57 p.

Shreeve, R P; Mathur, A; eds.
Proc. of the 1985 ONR/NAVAIR Wave Rotor Research and Technology Workshop
Sponsored by Office of Naval Res., Arlington, VA, Naval Postgraduate School, (NPS-67-85-008), May, 1985.

DEPARTMENT
OF
COMPUTER SCIENCE

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONFERENCE PRESENTATIONS

Anand, J D; Demurjian, S A; Hsiao, D K; Lum, V Y; Madison, D E; Marshall, R G; Wu, C T
A research report on the Laboratory for Database Systems Research: Past, present, and future
6th Advanced Database Symp., Tokyo, Japan, Aug., 1986.

Berzins, V
The design of software interfaces in spec
International Conference on Computer Languages, Miami Beach, FL., October 9-13, 1988.

Berzins, V
Tutorial on computer aided software engineering
IEEE Systems Design and Networks Conference, April, 1988.

Berzins, V; Luqi
Semantics of a real-time language
9th Real-Time Systems Symposium, Huntsville, Alabama, December 6-8, 1988

Bradley, G H
Optimization of capital portfolios
Nat. Communications Forum 1986, Chicago, IL, Sept. 29 - Oct. 1, 1986.

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
A structured modeling language for optimization
Inst. for Manage. Sci. and Oper. Res. Soc. Nat. Mtg., Los Angeles, CA, Apr. 14-16, 1986.

Bradley, G H; Clemence, R
Requirements for a language to do integrated modeling
UCLA Conf. of Structured Modeling, Los Angeles, CA, Aug. 21-22, 1986.

Bradley, G H; Clemence, R D
A type calculus for integrating models
Martin Beale Memorial Symposium, London, England, July, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONFERENCE PRESENTATIONS (cont'd)

Brown, G G; McBride, R D; Wood, K
Computational methods in the projective linear programming algorithm
ORSA/TIMS Joint Nat. Mtg., Los Angeles, CA, Nov. 4-6, 1985.

Davis, D L
Interfacing and integrating hardware and software design systems
Conf. on the Design, Development and Testing of Complex Avionic Systems, Las Vegas, NV, April, 1987.

Davis, D L
Interfacing and integrating hardware and software design systems
NATO AGARD, Conf. on the Design, Development and Testing of Complex Avionic Systems, Las Vegas, NV, April, 1987.

Davis, D L; Yurchak, J
The specification, design and implementation of an abstract processor
19th IEEE Asilomar Conf. on Circuits, Systems, and Computers, Monterey, CA, Nov., 1985.

Demurjian, S A; Hsiao, D K
New directions in database-system research and development
New Directions in Computing, Trondhein, Norway, Aug., 1985.

Demurjian, S A; Hsiao, D K
Performance evaluation of a database system in multiple backend configurations
Database Machine Workshop, Bahamas, 1985.

Demurjian, S A; Hsiao, D K
The multi-lingual database system
The Third Intl. Conf. on Data Engineering, Los Angeles, CA, February, 1987.

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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONFERENCE PRESENTATIONS (cont'd)

Demurjian, S A; Hsiao, D K; Marshall, R G
The architectural requirements and integration analyses of a database server for office automation
IFIP WG8.4 Working Conf. on Methods and Tools for Office Systems, Piza, Italy, October, 1986.

Hamming, R W
Calculus revisited
CMC (California Mathematics Council Community Colleges), Monterey, CA, Dec., 1985.

Hamming, R W
Doing high-class research
VHSIC Signal Processing Conf., Naval Postgraduate School, Monterey, CA, June 17, 1986.

Hsiao, D K
Super database computers: Hardware and software solutions for efficient processing of very large databases
IFIP Cong., Dublin, Ireland, Sep., 1986.

Lum, V Y
A DBMS prototype to support extended NF2 relations: An integrated view on flat tables and hierarchies
ACM SIGMOD 86 (Int. Conf. Manage. of Data), Washington, DC, May 28-30, 1986.

Lum, V Y
Issues on multi-media database
The Int. Pre-VLDB 86 Symp., Beijing, China, Aug. 21-22, 1986.

Lum, V Y
A conceptual design of multimedia DBMA for advanced applications
The 4th National Encounter on Cooperative Processing, Medellin, Colombia, July 24-30, 1988.

Lum, V Y
Intelligent DB systems
4th National Encounter on Cooperative Processing, Medellin, Colombia, July 24-30, 1988.

Luqi
Normalized specifications for identifying reusable software
Presented at the ACM-IEEE Computer Society 1987 Fall Joint Computer Conference, pp. 46-49, Dallas, TX., October, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONFERENCE PRESENTATIONS (cont'd)

Luqi
Tools for rapid prototyping
Presented at AACP 1987 Winter Technical Conference, November, 1987.

Luqi
A static Scheduler for the computer aided prototyping system: An implementation Guide
Presented at the 3rd Annual COMPASS Conference, Washington, D.C., June 27 - July 1, 1988.

Luqi
Execution of a high level real-time language
Presented at the IEEE 9th Real-Time Symposium, Huntsville, Alabama, December, 1988.

Luqi
Specification Languages in Computer Aided Software Engineering
Presented at the IEEE Conference on Systems Design and Networks, Santa Clara, CA., April, 1988.

Luqi; Berzins, V
Execution of a High Level Real-Time Language
Proceedings of the IEEE 9th Real-Time Symposium, Refereed Paper, Huntsville, Alabama, Decmeber 6-8, 1988.

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.

Richbourg, R F; Rowe, N; Zyda, M J; McGhee, R B
Solving global, two-dimensional routing problems using Snell's law and A * search
IEEE Intl. Conf. on Robotics and Automation, Raleigh, NC, February, 1987.

Ross, R S; McGhee, R B; Zyda, M J; Rowe, N C
A context-dependent terrain classification paradigm for land mobility problems
Third Ann. Expert Systems in Govt. Conf., Washington, DC, October, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONFERENCE PRESENTATIONS (cont'd)

Rowe, N C
Subclasses equal instances, thanks to statistical databases
Third Intl. Conf. on Data Engineering, Los Angeles, CA, February, 1987.

Wu, C T
Concurrency in linear and interpolation hashing
19th Ann. Conf. on Information Sciences and Systems, Baltimore, Md., Mar., 1985.

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.

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

Wu, C T
A new graphics user interface for accessing a database
Computer Graphics Tokyo '86, Tokyo, Japan, Apr., 1986.

Wu, C T
Multimedia database: What, why, where, and how
Database '86 Colloquium, San Diego, CA, June, 1986.

Wu, C T
The simplicity requirement of a CAD/CAM Information Support System
Workshop on Information System Support for Integrated Design and Manufacturing Processes, Monterey, CA, Apr., 1986.

Wu, C T
Data-oriented approach in integrating manufactuing function
Information Processing Society of Japan, Kyushu Chapter, Oita, Japan, October, 1987.

Wu, C T
Argos: A step toward paperless ship
Chief Design Engineers' Conference, 1988.

Zyda, M J
Future graphics support for CAD/CAM
Workshop on Information System Support for Integrated Design and Manufacturing Processes, Monterey, CA, Apr. 14-16, 1986.

Zyda, M J
Future hardware directions
Nat. Computer Graphics Assoc. Ann. Conf., Anaheim, CA, May 14-15, 1986.

Zyda, M J
Workstation graphics capabilities for the 1990's and beyond
Nat. Computer Graphics Asso. Conf., Anaheim, CA, May, 1986.

Zyda, M J; Richbourg, R F; Rowe, N C
Exploiting capability constraints to solve global, two-dimensional path planning problems
1986 IEEE Conf. on Robotics and Automation, San Francisco, CA, Apr. 7-10, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONTRIBUTIONS TO BOOKS

Demurjian, S A; Hsiao, D K; Marshall, R G
Design analysis and performance evaluation methodologies for databan computers
Englewood, NJ, Prentiss-Hall, 1987. 300p.

Hamming, R W
Methods of mathematics applied to calculus, probability and statistics
Englewood Cliffs, N. J., Prentice-Hall, June, 1985. 857 p.

Hsiao, D K
Future database machine architecture
IN G. Ariav and J. Clifford, eds.: New directions for database systems, Ablex Pub. Co., 1986.

Wu, C T
Data organization method for the parallel execution of relational operations
IN Y. Kambayashi, ed.: Foundations of Data Organization, Plenum Pub., 1987, p. 529-538.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS

Anand, J; Demurjian, S A; Hsiao, D K
A research report on the Laboratory for Database Systems Research: Past, present and future
6th Advanced Database Symp., Tokyo, Japan, Aug., 1986.
IN Proc., Information Processing Soc. of Japan, (1986).

Berzins, V
Object-Oriented techniques based on specifications
COMPSAC, Chicago, IL., pp. 437-438, October, 1988.

Berzins, V
The design of software interfaces in spec
International Conference on Computer Languages, Miami Beach, Florida, pp. 266-270, October 9-13, 1988.

Berzins, V; Luqi
Semantics of real-time language
9th IEEE Real-Time Systems Symposium, Huntsville, Alabama, December 6-8, 1988.

Bradley, G H
Optimization of capital portfolios
Nat. Communications Forum 1986, Chicago, IL, Sept. 29 - Oct. 1, 1986.
IN Proc., Professional Educ. Int., p. 11-17, (1986).

Davis, D L; Morris, G
GRAPE: A visual, interactive, programming language for teaching structured programming
Western Educational Computing Conference, San Francisco, November, 1987.

Dejurjian, S A; Hsiao, D K
The multi-lingual database system
The Third Intl. Conf. on Data Engineering, Los Angeles, CA, February, 1987.
IN Proc., IEEE, (1987).

Demurjian, S A; Hsiao, D K
New directions in database-system research and development
New Directions in Computing, Trondhein, Norway, Aug., 1985.
IN Proc., IEEE Computer Soc. Press, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS (cont'd)

Demurjian, S A; Hsiao, D K
Performance evaluation of a database system in multiple backend configurations
Database Machine Workshop, Bahamas, 1985.
IN Proc., DMW, Springer-Verlag, (Nov., 1985).

Demurjian, S A; Hsiao, D K
The multi-lingual database system
The Third Intl. Conf. on Data Engineering, Los Angeles, CA, February, 1987.
IN Proc., IEEE, (1987).

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).

Demurjian, S A; Hsiao, D K; Marshall, R G
The architectural requirements and integration analyses of a database server for office automation
IFIP WG8.4 Working Conf. on Methods and Tools for Office Systems, Piza, Italy, October 22-24, 1986.
IN Proc., IFIP WG8.4, North-Holland, (1986).

Fichten, M A; Jennings, D H; Zyda, M J
Meaningful Graphics Workstation Performance Measurements
Technical Program of ACM/SIGGRAPH '89, December 30, 1988.

Hemdon, R; Berzins, V
The realizable benefits of a language prototyping language
IEEE Transactions on Software Engineering, pp. 803-809, June, 1988.

Hsiao, D K
Super database computers: Hardware and software solutions for efficient processing of very large databases
IFIP Cong., Dublin, Ireland, Sep., 1986.
IN Proc., IFIP, (1986).

Hsiao, D K
The impact of interconnecting network on parallel database computer
Proceedings of the 5th International Workshop on Database Machines, October, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS (cont'd)

Hsiao, D K; Britton, D; DeWitt, D J; Menon, J
Parallel sorting
Bit, p. 91-117, (Dec. 1985).

Ketabchi, M; Berzins, V
Mathematical model of composite objects and its applications for organizing efficient engineering data bases
IEEE Transactions on Software Engineering, pp. 71-84, January, 1988.

Lum, V Y
A research report on the laboratory for database systems research: Past, present, and future
Proceedings of the 6th Advanced Database Symposium, Tokyo, Japan, August 29-30, 1986.

Lum, V Y
A DBMS prototype to support extended NF2 relations: An integrated view on flat tables and hierarchies
ACM SIGMOD 86 (Int. Conf. Manage. of Data), Washington, DC, May 28-30, 1986.
IN Proc., ACM, p. 356-367, (1986).

Luqi
Knowledge-Based support for rapid prototyping
IEEE Expert, November, 1988.

Luqi; Berzins, V
Rapidly prototyping real-time systems
IEEE Software, pp. 25-36, September, 1988.

Luqi; Berzins, V; Yeh, R
A prototyping language for real-time software
IEEE Transactions on Software Engineering, October, 1988.

Luqi; Ketabchi, M
A computer aided prototyping system
IEEE Software, pp. 66-72, 1988.

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).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS (cont'd)

Richbourg, R F; Rowe, N; Zyda, M J; McGhee, R B
Solving global, two-dimensional routing problems using Snell's law and A * search
IEEE Intl. Conf. on Robotics and Automation, Raleigh, NC, February, 1987.
IN Proc. IEEE., (1987).

Ross, R S; McGhee, R B; Zyda, M J; Rowe, N C
A context-dependent terrain classification paradigm for land mobility problems
Third Ann. Expert Systems in Govt. Conf., Washington, DC, October, 1987.
IN Proc., ESGC, Dp. 2-51, (1987).

Rowe, N C
Subclasses equal instances, thanks to statistical databases
Third Intl. Conf. on Data Engineering, Los Angeles, CA, February, 1987.
IN Proc., ICDE, (1987).

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).

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
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
A new graphics user interface for accessing a database
Computer Graphics Tokyo '86, Tokyo, Japan, Apr., 1986.
IN Advanced computer graphics, Springer-Verlag, p. 203-219, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS (cont'd)

Wu, C T
GLAD: Graphics language for database
In Proceedings of the 11th International Computer Software and Applications Conference, pp. 164-170, Tokyo, Japan, October, 1987.

Wu, C T
Towards a fully-computerized database maintenance for non-traditional applications
Proceedings of the 1987 ACM-IEEE Computer Society Fall Joint Computer Conference, pp. 469-474, October, 1987.

Wu, C T

Prepared for the Naval Postgraduate School, Monterey, CA., NPS52-88-018, July, 1988.

Wu, C T
Implementation of visual database interface using an object-oriented language
Prepared for the Naval Postgraduate School, Monterey, CA., NPS52-88-050, September, 1988.

Wu, C T
Managing multimedia data-an exploration
Prepared for the Naval Postgraduate School, Monterey, CA., 1988.

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).

Zyda, M J
Future graphics support for CAD/CAM
Workshop on Information System Support for Integrated Design and Manufacturing Processes, Monterey, CA, Apr. 14-16, 1968.
IN Proc., (1986).

Zyda, M J
Workstation graphics capabilities for the 1990's and beyond
Nat. Computer Graphics Asso. Conf., Anaheim, CA, May, 1986.
IN Proc., Computer Graphics '86 Conf., vol. III, (May, 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS (cont'd)

Zyda, M J; Richbourg, R F; Rowe, N C
Exploiting capability constraints to solve global, two-dimensional path planning problems
1986 IEEE Conf. on Robotics and Automation, San Francisco, CA, Apr. 7-10, 1986.
IN Proc., 1986 IEEE Int. Conf. on Robotics and Automation, vol. I, (Apr., 1986).

Zyda, M J; Walker, R A
Design notes on a single board multiprocessor for real-time contour surface display generation
IEEE Computer Graphics and Applications, (May, 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES

Ammann, J M; McGhee, R B; Zyda, M J
User interface design for two-dimensional polygonally encoded geological survey maps
Prepared for Chief of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-52-86-017), July, 1986. 66 p.

Anand, J; Demurjian, S A; Hsiao, D K; et al
A research report on the Laboratory for Database Systems Research: Past, present and future
Sponsored by Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-52-86-013), May, 1986. 23 p.

Artero, J C; Zyda, M J
Non-Roman font generation via interactive computer graphics
Prepared for Chief of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-52-86-018), July, 1986. 107 p.

Beda, T J; Wu, C T; Zyda, M J
An improved user interface for an interactive graphics figure illustrator
Sponsored by Naval Postgraduate School, Monterey, CA, (NPS-52-87-025), June, 1987.

Berzins, V
A formal framework for requirements analysis
Naval Postgraduate School, Monterey, (NPS-52-88-042), September 1988, 28 p.

Berzins, V
Architectural design via formal specifications and automation
Naval Postgraduate School, Monterey, (NPS-52-88-041), September 1988, 27 p.

Berzins, V
Distributed algorithms for generating unique identifiers
Prepared for the Naval Postgraduate School, Monterey, CA., NPS52-88-046, 1988.

Berzins, V
Generating displays for specifications using attribute grammars
Naval Postgraduate School, Monterey, (NPS-52-88-043), September 1988, 25 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

Berzins, V
Object-oriented rapid prototyping
Naval Postgraduate School, Monterey, (NPS-52-88-044), September 1988, 17 p.

Berzins, V
The design of software interfaces in spec
Prepared for the Naval Postgraduate School, Monterey, CA., NPS52-88-045, 1988.

Berzins, V; Luqi
An introduction to the specification language spec
Naval Postgraduate School, Monterey, (NPS-52-88-031), September 1988, 35 p.

Berzins, V; Luqi
Languages for specification, design, and prototyping
Naval Postgraduate School, Monterey, (NPS-52-88-038), September 1988, 73 p.

Berzins, V; Luqi
Semantics of a real-time language
Naval Postgraduate School, Monterey, (NPS-52-88-033), September 1988, 16 p.

Bradley, G H; Clemence, R D
A type calculus for executable modeling languages
Sponsored by Office of Naval Research, Washington, DC. Naval Postgraduate School, (NPS-52-87-029), July, 1987. 14 p.

Bradley, G H; Clemence, R D
Model integraton with a typed executable modeling language
Sponsored by Office of Naval Research, Washington, DC. Naval Postgraduate School, (NPS-52-87-045), 1987. 14 p.

Coker, H; Demurjian, S A; Hsiao, D K; Rodeck, B; Zawis, J
The multi-model database system
Sponsored by Naval Air Development Ctr., Naval Ocean Systems Ctr., Naval Security Group Command, Naval Postgraduate School, (NPS-52-87-026), June, 1987. 21 p.

Davis, D L; Huber, H
Deducing the asymptotic behavior of a function from it's behavior on a subsequence
Sponsored by Chief of Naval Research. Naval Postgraduate School, (NPS-52-86-024), Nov., 1986. 19 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

Davis, D L; Huber, H
Deducing the asymptotic behavior of a function from its behavior on a subsequence
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS 52-86-024), Nov., 1986. 12 p.

Demurjian, S A; Fenton, G P; Hsiao, D K; Vincent, J R
A computer-aided benchmarking system for parallel and expandable database computers
Sponsored by Naval Air Development Ctr., Naval Ocean Syst. Ctr., Naval Security Command Group Naval Postgraduate School, (NPS-52-87-016), April, 1987. 22 p.

Demurjian, S A; Hsiao, D K
The multi-lingual database system
Sponsored by Foundation Research Program of the Naval Postgraduate School, Monterey, CA. Naval Postgraduate School, (NPS-52-86-011), Feb., 1986. 34 p.

Demurjian, S A; Hsiao, D K
Towards a better undrstanding of data models through the multi-lingual database system
Sponsored by Naval Air Development Ctr., Naval Ocean Syst. Ctr., Naval Security Group Command, Naval Postgraduate School, (NPS-52-87-01[illegible]), May, 1987. 24 p.

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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

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.

Fichten, M A; Jennings, D H; Zyda, M J
Meaningful real-time graphics Workstation Performance Measurements
Prepared for the Naval Postgraduate School, Monterey, CA., NPS52-89-004, November, 1988.

Hsiao, D K
Super database computers: Hardware and software solutions for efficient processing of very large databases
Sponsored by Department of Defense STARS Program and Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-52-86-001), Jan., 1986. 25 p.

Hsiao, D K
The impact of the interconnecting network on parallel database computers
Sponsored by Naval Air Development Ctr., Naval Ocean Syst. Ctr., Naval Security Group Command Naval Postgraduate School, (NPS-52-87-019), May, 1987. 16 p.

Hsiao, D K; Hoppenstand, G
A technique to improve the precision of full-text database search
Naval Postgraduate School, Monterey, (NPS-52-88-029), September 1988, 18 p.

Hsiao, D K; Pitargue, M; Wong, A
Reliable broadcasting for parallel database backend computers
Naval Postgraduate School, Monterey, (NPS-52-89-001), November 1988, 17 p.

Jennings, K E; Dunlap, C R; Rowe, N C
Design guidelines for a rule based passive surveillance system.
Sponsored by Space and Naval Warfare Systems Command, Naval Postgraduate School, (NPS-52-86-020), Sept., 1986. 50 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

Jones, A R; Hogan, P G; Zyda, M J
Surface reconstruction from planar contours
Prepared for Chief of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-52-86-019), July, 1986. 68 p.

Lum, V
A conceptual design of a multimedia, DBMS for advanced applications
Prepared for Naval Postgraduate School, Monterey, CA. (NPS-52-88-025), August 1988, 27 p.

Lum, V
Image Database Management in a multimedia system
Prepared for Naval Postgraduate School, Monterey, CA. (NPS-52-88-024), August 1988, 21 p.

Lum, V; Wegner, K M; Wu, T -C
Managing Multimedia Data - on exploration
Prepared for Naval Ocean Systems Center, San Diego, CA. Naval Postgraduate School (NPS-52-88-010), March 1988

Luqi
Automated prototyping data and knowledge translation
Naval Postgraduate School, Monterey, (NPS-52-88-034), September 1988, 20 p.

Luqi
Automated rapid prototyping environment
Naval Postgraduate School, Monterey, (NPS-52-88-026), November 1988,

Luqi
Computer aided maintenance of prototype systems
Naval Postgraduate School, Monterey, (NPS-52-88-037), September 1988, 30 p.

Luqi
Handling timing constraints in rapid prototyping
Naval Postgraduate School, Monterey, (NPS-52-88-036), September 1988, 30 p.

Luqi
Knowledge base support for rapid prototyping
Prepared for the Naval Postgraduate School, Monterey, CA., NPS52-88-016, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

Luqi
Software evoulution via prototyping
Naval Postgraduate School, Monterey, (NPS-52-88-039), September 1988, 30 p.

Luqi
Specification languages in computer aided software engineering
Naval Postgraduate School, Monterey, (NPS-52-88-005), March 1988, 36 p.

Luqi; Berzins, V
Execution of a high level real-time language
Naval Postgraduate School, Monterey, (NPS-52-88-035), September 1988, 29 p.

Luqi; Eaton, S
A dynamic scheduler for a computer aided prototyping system
Prepared for the Naval Postgraduate School, Monterey, CA., NPS52-88-019, 1988.

Luqi; Galik, D
An integrated tool environment for embedded real-time software
National Science Foundation, Washington, (NPS-88-008), April 1988, 26 p.

Luqi; Herndon, R
Generating a language translator based on an attribute grammar tool
Naval Postgraduate School, Monterey, (NPS-52-88-007), April 1988 22 p.

Luqi; Janson, D
A static scheduler for the computer aided prototyping system: An implementation guide
Naval Postgraduate School, Monterey, (NPS-52-88-006), March 1988, 32 p.

Luqi; Moffitt, C
An automated language translator for a computer aided prototyping system
Prepared for the Naval Postgraduate School, Monterey, CA., NPS52-88-021, 1988.

Luqi; Moffitt, II, C
Automated translation from a prototyping language into ada
National Science Foundation, Washington, (NPS-52-88-009), April 88, 18 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

MacLennan, B J
Experience with Omega implementation of a prototype programming environment, Part 2
Sponsored by Chief of Naval Res., Arlington, VA, Naval Postgraduate School, (NPS-52-85-015), Dec., 1985. 37 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
Experience with OMEGA: Implementation of a prototype programming environment: Part 3
Prepared for Office of Naval Res., Arlington, VA. Naval Postgraduate School, (NPS-52-86-004), Jan., 1986. 46 p.

MacLennan, B J
Experience with OMEGA: Implementation of a prototype programming environment: Part 4
Prepared for Office of Naval Res., Arlington, VA. Naval Postgraduate School, (NPS-52-86-007), Jan., 1986. 52 p.

MacLennan, B J
Experience with OMEGA: Implementation of a prototype programming environment: Part 5
Prepared for Office of Naval Res., Arlington, VA. Naval Postgraduate School, (NPS-52-86-009), Feb., 1986. 34 p.

MacLennan, B J
Four relational programs
Prepared for Chief of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-52-86-023), Nov., 1986. 24 p.

MacLennan, B J
Preliminary investigation of a calculus of functional differences: Fixed differences
Prepared for Chief of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-52-86-010). Feb., 1986. 27 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 Office of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-52-85-005), Apr., 1985. 29 p.

McGhee, R B; Kwak, S
Rule-based motion coordination for the adaptive suspension vehicle
Prepared for Ohio State University, Columbus, Ohio. Naval Postgraduate School, (NPS-52-88-011), May 1988

McGhee, R B; Kwak, S
Rule-based motion coordination for the adaptive suspension vehicle
Prepared for Ohio State University, Columbus, Onio. Naval Postgraduate School, (NPS-52-88-011), May 1988

McGhee, R B; Zyda, M J; Tan, C H
A simulation study of an autonomous steering system for on-road operation of automotive vehicles
Sponsored by HQ, USACDEC, Ft. Ord, CA. Naval Postgraduate School, (NPS-52-86-025), Dec., 1986.

Meyer-Wegener, K; Lum, V Y; Wu, C T
Image database management in multimedia system
Prepared for the Naval Postgraduate School, Monterey, CA., NPS52-88-024, August, 1988.

O'Hern, J; Luqi
A conceptual design for a static scheduler for hard real-time systems
Prepared for the Naval Postgraduate School, Monterey, CA., NPS52-88-032, 1988.

Richbourg, R F; Rowe, N C; Zyda, M J; McGhee, R B
Solving global two dimensional routing problems using Snell's Law and A* Search
Sponsored by Chief of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-52-86-021), Oct., 1986. 32 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)

Rowe, N C
Inference security analysis using resolution theorem proving
Sponsored by the USA Combat Developments Center, Fort Ord, CA., (NPS52-87-053), 1987.

Rowe, N C; Richbourg, R F
An efficient snell's-law method for optimal-path planning across multiple two-dimensional irregular gomogeneous-cost regions
U.S. Army, CDEC, Fort Ord, CA, (NPS-52-88-017), July 1988, 31 p.

Srivastava, J; Lum, V Y
A Tree Based Statistics Access Method (TBSAM) for univariate analysis
Int. Business Machines, (IBM, Res. RJ5399), 1986.

Weigand, J; Berzins, V
Design and implementation of a pretty printer for specifications language spec
Prepared for the Naval Postgraduate School, Monterey, CA., NPS52-88-040, 1988.

Wu, C T
A unified interface method for interacting with a database
Prepared for Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-52-86-014), Jan., 1986. 36 p.

Wu, C T
Glad: Graphics language for database
Sponsored by NPS Research Foundation and Naval Ocean Systems Commands, Naval Postgraduate School, Monterey, CA, (NPS-52-87-030), July, 1987.

Wu, C T
Towards fully-computerized database maintenance for non-traditional applications
Sponsored by NPS Research Foundation and Naval Ocean System Command, Monterey, CA, (NPS-52-87-031), July, 1987. 15 p.

Wu, C T; Anand, J D; Demurjian, S A; Hsiao, D K; Lum, V Y; Madison, D E; Marshall, R G
A research report on the Laboratory for Database Systems Research: Past, present, and future
Prepared for Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-52-86-013), May, 1986. 24 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

Wu, C T; Madison, D E
An expert system interface and data requirements for the integrated product design and manufacturing process
Naval Postgraduate School, (NPS-52-86-015), June 9, 1986. 35 p.

Wu, C T; Madison, D E
Data modelling abstractions and graphical interface for supporting the construction design process
Prepared for Office of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-52-86-012), Feb. 2, 1986. 20 p.

Wu, C T
An effect of set type to query formulation in relational database systems
Naval Postgraduate School, Monterey, (NPS-52-88-018), July 1988, 20 p.

Wu, C T; Hsiao, D
Implementing visual database interface by using object-oriented language
Naval Postgraduate School, Monterey, (NPS-52-88-050), September 1988, 21 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.

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; Borrow, T H; Yurchak, J M
Distributed computer communications in support of real-time visual simulations
Prepared for the Naval Postgraduate School, Monterey, CA., NPS52-88-028,September, 1988. 168 p.

Zyda, M J; Diehl, R K; McGhee, R B
Two-dimensional polygonal representation of maps for use with autonomous vehicle route planning
Naval Postgraduate School, (NPS-52-86-016), June 1986. 74 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd,

Zyda, M J; Firth, S
The Ozdraw user's manual
Naval Postgraduate School, (NPS-52-86-005), Jan., 1986. 64 p.

Zyda, M J; Gaddis, M E
The fractal geometry of nature: Its mathematical basis and application to computer graphics
Naval Postgraduate School, (NPS-52-86-008), Jan., 1986. 128 p.

Zyda, M J; Harris, F E; Yurchak, J M
Preliminary work on the command and control work station of the future
Naval Postgraduate School, (NPS-52-88-027), August 1988, 147 p.

Zyda, M J; Harris, F E; Yurchak, J M
Preliminary work on the command and control workstation of the future
Prepared for Naval Postgraduate School Monterey, CA (NPS-52-88-027), August 1988, 147 p.

Zyda, M J; Hogan, P G
Surface construction from planar contours
Naval Postgraduate School, (NPS-52-86-002), Jan., 1986. 27 p.

Zyda, M J
A real-time, three-dimensional moving platform visualization tool
Prepared for Army Combats Development Experimentation Center, Ft. Ord, CA. Naval Postgraduate School, (NPS-52-88-022), July 1988, 35 p.

Zyda, M J; McGhee, R B; Rowe, N C; Ross, R S
A context-dependent classification paradigm for land mobility problems
Prepared for U.S. Army Combat Developments Experimentation Center, Ft. Ord, CA. Naval Postgraduate School, (NPS-52-86-022), Oct., 1986. 7 p.

Zyda, M J; McGhee, R B; Taylor, G W
Parametric representation and polygonal decomposition of curved surfaces
Sponsored by HQ, USACDEC, FT Ord, CA. and Naval Ocean Systems Center. Naval Postgraduate School, (NPS-52-86-028), Dec., 1986. 95 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

Zyda, M J; Meier; McGhee, R B
Investigation into the use of texturing for real-time computer animation
U.S. Army Combat Developments Experimentation Center, Fort Ord, (NPS-52-88-003), March 1988, 117 p.

Zyda, M J; Olivera, H J; Wu, C T
Editfont - an interactive font editing system
Prepared for Naval Ocean Systems Center, San Diego, CA. Naval Postgraduate School, (NPS-52-88-001), January 1988, 63 p.

Zyda, M J; Richbourg, R F; Rowe, N C
Exploiting capability constraints to solve global, two-dimensional path planning problems
Naval Postgraduate School, (NPS-52-86-006), Jan., 1986. 29 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.

Zyda, M J; Walker, R A
A single board multiprocessor for real-time contour surface display generation
Naval Postgraduate School, (NPS-52-86-003), Jan., 1986. 25 p.

Zyda, M J; Wu, C T; Falby, J S
A data structure for a multi-illumination model renderer
Sponsored by HQ, USACDEC, FT Ord, CA. Naval Postgraduate School, (NPS-52-86-026), Dec., 1986. 129 p.

DEPARTMENT
OF
ELECTRICAL AND
COMPUTER ENGINEERING

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS

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.

Atwater, H A; Sudbury, R W
Radiation damage in the GaAs p-i-n diode
Hardened Electronics and Radiation Technology Conference, Naval Postgraduate School, Monterey, CA, July 25, 1985.

Borchardt, R L; Ha, T T
Power capture aloha
MILCOM, '88, pp. 703-707, October 23-26, 1988.

Borchardt, T L; Ha, T T
Throughtput of slotted aloha networks with random multiple signal levels
22nd Annual Conference on Information Sciences and Systems, pp. 87-91, March 16-18, 1988.

Bukofzer, D C
Solutions to the radar signal return masking problem
International Conference, Radar '87, London, England, October, 1987.

Bukofzer, D C
Performance of digital communication receivers in additive noise and intentional interference
SIAM Conf. on Linear Algebra in Signals, Systems and Control, Boston, MA, Aug., 1986.

Bukofzer, D C
Performance of receivers in digital radio applications operating in the presence of noise and jamming
Military Communications Conf., Monterey, CA, Oct., 1986.

Burl, J B
Singular systems- A tutorial
Nineteenth Asilomar Conf. on Circuits, Systems, and Computers, Pacific Grove, CA, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

Burl, J B
Application of the Karhunen-Loeve expansion to reduced order control of distributed parameter systems
2nd IASTED Conf. on Applied Control and Identification, Los Angeles, CA, 1986.

Burl, J B
Distributed parameter system identification using spatial filtering and the Karhunen-Loeve modes
26th IEEE Conf. on Decision and Control, Los Angeles, CA, 1987.

Burl, J B
Distributed parameter system identification using spatial filtering and the Karhunen-Loeve modes
The 26th IEEE Conference on Decision and Control, Los Angeles, 1987.

Burl, J B
Reduced order kalman filtering of moving images
The 22nd Annual Asilomar Conference on Signals, Systems, and Computers, Pacific Grove, CA., 1988.

Cristi, R; Michael, S
Hybrid adaptive control of linear systems by parallel processing and switched capacitor techniques

Cristi, R; Michael, S N
An adaptive algorithm for control of a DC motor on systolic arrays
Asilomar Conference on Circuits, Systems and Computers, Pacific Grove, CA, November, 1986.

Edwards, T; Horton, K G; Redman, D; Rosa, J M; Rubin, J B; Yoon, s W; Powers, J P; Netzer, D W
Measurement of particulates in solid propellant motors
23rd JANNAF Combustion Meeting, Hampton, VA, October, 1986.

Guyomar, D; Powers, J P
A Fourier approach to diffraction of pulsed ultrasonic waves in lossless media
IEEE Ultrasonic Symp., San Francisco, CA, Oct. 16-18, 1985.

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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

Guyomar, D; Powers, J P
Transient fields from focused acoustic waves
14th Symp. on Acoustical Imaging, The Hague, Netherlands, Apr. 22-25, 1985.

Guyomar, D; Powers, J P
A transfer function approach to transient propagation in media with a quadratic frequency dependence of attenuation coefficient.
112th meeting of the Acoustical Society of America, Anaheim, CA, December, 1986.

Guyomar, D; Powers, J P
Calculation of transient radiation fields from axial symmetric sources
15th Symp. on Acoust. Imaging, Halifax, Nova Scotia, July 14-18, 1986.

Hayes, D P; Ha, T T
A partial Mesh Small Terminal Satellite System providing low-density voice and data communications
19th Southeastern Symp. on System Theory, March 15-17, 1987.

Hayes, D P; Ha, T T; Pratt, T; Bostian, C W
Performance analysis of a DS-CDMA spread spectrum VSAI network
Southeastcon '87, March , 1987.

Hippenstiel, R
Instantaneous power spectrum
22nd Asilomar Conference on Signals, Systems, and Computers, November,1988.

Hsu, T; Yang, C
Object recognition by hashing techniques
International Computer Symposium, December, 1988.

Janaswamy, R; Schaubert, D H
Analysis of the tapered slot antenna
IEEE/AP-S Symposium and National Radio Science Meeting, Philadelphia, PA, June, 1986.

Lee, C -H
A parallel image registration architecture using CAM memory
19th Asilomar Conf. on Circuits, Systems, and Computers, Pacific Grove, CA, Nov. 6-8, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

Lee, C -H
AATD segmentation test procedure
Automatic Target Recognition Working Group, Newport Beach, Calif., Feb. 7, 1985.

Lee, C -H
Knowledge-based system for verifying building in aerial photographs
Proceedings of International Computer Symposium, December, 1987.

Lee, C -H
Model-based building verification in aerial photographs
Proceedings of IEEE Workshop on Computer Vision, pp. 271,272, November, 1987.

Lee, C -H
Simulation of systolic array in graphics
Proceeding of the 2nd Annual Parallel Processing Symposium, April 1988.

Lee, C -H
3-D Perspective view of sonar images, (with R.J. Myers)
Proceedings of the 22nd Annual Asilomar Conference on Signal, System, and Computer, October 1988.

Lee, C -H; Keiyu, A
Image compression using nonuniform samples with controlled compression
19th Asilomar Conf. on Circuit, Systems, and Computers, Pacific Grove, CA, Nov. 6-8, 1985.

Lee, H -M
A class of pulses whose strength decrease more slowly than 1/r
Fifth Intl. Conf. on Antennas and Propagation, Univ. of York, York, United Kingdom, April, 1987.

Lee, H -M
Time-domain radiation from an aperture
IEEE/AP-S Int. Symp., Boston, MA, June, 1986.

Lee, H -M
The Mellin transform: A scale transformation for problems of simple geometries
Joint IEEE/AP-S Intl. Symp. and URSI Radio Science Mtg., Blacksburg, VA, June, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

Lee, H -M
Time domain studies of slowly decaying pulses
Joint IEEE/AP-S Intl. Symp. and URSI Radio Science Mtg., Blacksburg, VA, June, 1987.

Lee, H -M
Radio wave propagation in the intermediate region
Presented at the International Symposium on Radio Propagation, Beijing, China, April, 1988.

Lee, H -M
Radio wave propagation in the intermediate region
Proceedings of the International Symp. on Radio Propagation, Beijing, China, pp. 231-234, 1988. International Information Exchange Service Company, Kowlon, Hong Kong, April, 1988.

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.

Lee, H -M; Quek, G P
Partial matching of two-dimensional shapes using random coding
Proceedings of the 9th International Conference on Pattern Recognition, November, 1988.

Lynch, J F; Miller, J H; Frisk, G V; Chui, C S
Scattering off rough boundaries in ray and normal mode theories with application to ocean acoustic tomography and shallow water acoustic
109th Meeting of the Acoustical Society of America, Austin, April 8-12, 1985.

Maggenti, M; Ha, T T; Pratt, T
Spread spectrum overlay service in satellite communications
IEEE Miami Technicon '87, Miami, FL, October, 1987.

Mennecke, D W; Tummala, M
Adaptive ARMA lattice based on generalized mullis--Roberts Criterion
Proceedings of the 22nd Asilomar Conference on Signals, Systems, and Computer, IEEE Computer Society Press, Pacific Grove, CA., November, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

Michael, S N
Switched capacitor programmable analog filter
30th Midwest Symp. on Circuits and Systems, Syracuse, NY, August, 1987.

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.

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.

Miller, J H; Chiu, C S; Lynch, J F
Estimating sea surface spectra with acoustic tomography
112th Meeting of the Acoustical Society of America, Anaheim, CA, December, 1986.

Miller, J H; Lynch, J F; Chiu, C S
Surface wave tomography
1987 Tomography Review, La Jolla, CA, August, 1987.

Morgan, M A; Fisher, D; Milne, E A
Microcomputer computation of electromagnetic scattering by stratified anisatropic materials
2nd Ann. Rev. of Progress in Appl. Computational Electromagnetics, Naval Postgraduate School, Mar. 18-20, 1986.

Morgan, M A
Pulse shaping for target interrogation
22nd General Assembly of URSI, Tel Aviv, Israel, August, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

Morgan, M A
Stability considerations in the field feedback formulation
1987 URSI Radio Science Meeting, Blacksburg, VA, June, 1987.

Morgan, M A
Scattering validations for the field feedback formulation
1988 URSI Radio Science Meeting, Syracuse University, June, 1988.

Myers, G A
Measured noise and jamming performance of a new form of frequency hopping
IEEE Military Communications Conf., Monterey, CA, October, 1986.

Myers, G A
Measured noise and jamming performance of a new method of frequency hopping
MILCOM '86, NPS, Monterey, CA, Oct. 7, 1986.

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

Noon, D P; Ha, T T
Throughout analysis of a direct sequence code division multiple access system
IEEE Miami Technicon '87, Miami, FL, October, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

Powers, J P; Guyomar, D
Transfer function model for propagation in homogeneous media
Intl. Symp. on Pattern Recognition and Acoustical Imaging, Newport Beach, CA, February, 1987.

Shefi, A; Therrien, C W; Kirk, D E; Friedlander, B
Passive multipath targer tracking in inhomogeneous acoustic medium
Intl. Conf. on Acoustics, Speech, and Signal Processing, Dallas, TX, April, 1987.

Therrien, C S; El-Shaer, H
Methods for multichannel 2-D spectrum analysis: Description and comparison
Intl. Conf. on Acoustics, Speech, and Signal Processing, Dallas, TX, April, 1987.

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.

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
Multichannel 2-D spectrum analysis
5th IEEE ASSP Workshop on Multidimensional Signal Processing, Noordwijkerhout, The Netherlands, Sept., 1987.

Therrien, C W; El-Shaer, H
Maximum likelihood multichannel multidimensional spectrum estimation
SPIE 30th Annual Intl. Technical Symposium on Optical and Optoelectronic Applied Sciences and Engineering, San Diego, CA, August, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS (cont'd

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).

Powers, J P; Guyomar, D
Transfer function model for propagation in homogeneous media
Intl. Symp. on Pattern Recognition and Acoustical Imaging, Newport Beach, CA, February, 1987.
IN Pattern Recognition and Acoustical Imaging, SPIE, p. 253-258, (1987).

Robertson, R C; Ha, T T
Noise models for gallium arsenide field effect transistors at room cryogenic temperatures
International Journal of Electronics, vol. 61, no. 4, pp. 433-440, 1986.

Robertson, R Clark; Ha, T T
Optimum noise source impedance determination for Ga As FETs at room and cryogenic temperatures
Intl. J. of Electronics, vol. 63, no. 3, p. 359-369, (1987).

Shadaram, M; Hippenstiel, R D
Fourier analysis of echos in an optical frequency domain reflectometer
Appl. Opt. 25, No. 7, pp. 1083-1085, 1987.

Shefi, A; Therrien, C W; Kirk, D E; Friedlander, B
Passive multipath target tracking in inhomogeneous acoustic medium
Intl. Conf. on Acoustics, Speech, and Signal Processing, Dallas, TX, April, 1987.
IN Proc., 20th Intl. Conf. on Acoustics, Speech, and Signal Processing, p. 463-466, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS (cont'd)

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; El-Shaer, H
Maximum likelihood multichannel multidimensional spectrum estimation
SPIE 30th Annual Intl. Technical Symposium on Optical and Optoelectronic Applied Sciences and Engineering, San Diego, CA, August, 1986.
IN SPIE Proceedings-Real Time Signal Processing, vol. 827, (1986).

Therrien, C W; El-Shaer, H
Multichannel 2-d autoregressive spectrum estimation
20th Annual Asilomar Conf. on Signals, Systems, and Computers, Pacific Grove, CA, November 10-12, 1986.
IN Proc., Asilomar Conf., p. 259-262, (1986).

Therrien, C W; Quatieri, T F; Dudgeon, D E
Statistical Signal Models and Algorithms for Image Analysis
Proceedings of the IEEE, 74, pp. 532-551, April, 1986.

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).

Therrien, C W; Shefi, A
Methods for multichannel 2-D spectrum analysis: Description and comparison
Proceedings of the 1987 International Conference on Acoustics, Speech, and Signal Processing, pp. 2241-2244, Dallas, TX., April, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS (cont'd)

Therrien, C W; Shefi, A
New results target tracking in a nonhomogeneous ocean acoustic medium
21st Annual Asilomar Conference on Signals, Systems, and Computers, Pacific Grove, CA., November, 1987.

Tirumalai, P P; Butler, J T
Analysis of minimization algorithms for multiple-valued programmable logic arrays
Proceedings of the 18th International Symp. on Multiple-Valued Logic, pp. 226-236, 1988.

Tummala, M
New adaptive normalized lattice algorithm for recursive filters
Electronics Letters, vol. 24, pp. 659-661, May, 1988.

Tummala, M; Parker, S R
A new efficient adaptive cascade lattice structure
IEEE Transactions on Circuits and Systems, vol. CAS-34, no. 7, p. 707-711, (July, 1987).

Tummala, M; Parker, S R
A recursive least squares algorithm for gray-marked lattice
1987 IEEE Intl. Symp. on circuits and Systems, Philadelphia, PA, May, 1987.
IN Proc., IEEE, p. 438-441, (1987).

Tummala, M; Rao, B V
A class of modified adaptive recursive filter algorithms
Int. J. Electronics, vol. 58, no. 5, pp. 867-870, 1985.

Tummala, M; Rao, B V
A class of recursive maximum likelihood algorithms
Proc. IEEE, vol, 73, no. 8, pp. 1336-1338, 1985.

Tummala, M; Rao, B V
An improved RLMS algorithm using a modified gradient filters
Proc, IEEE, vol. 73, no. 8, pp 1338-1339, 1985.

Tummala, M; Rao, B V
Some implementational aspects of digital adaptive filters
Int. J. Electronics, vol. 58, no. 2, pp. 373-379, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS (cont'd)

Tummala, M; Rao, B V
A modified LMS algorithm for fast processing- Analysis and realization
Intl. J. of Electronics, vol. 63, no. 3, p. 345-352, (1987).

Tummala, M; Rao, B V
A study of LMS and SET algorithms for FIR filtering
J. of computers and Electrical Engineering, vol. 13, no. 3/4, p. 169-175, (1987).

Tummala, M; Rao, B V
A SER based algorithm for estimating sinusoids in white noise
J. of Computers and Electrical Engineering, vol. 13, no. 1, p. 1-6, (1987).

Tummala, M; Roa, B V
On improved convergence performance of RLMS and SHARF algorithms
J. Institution of Electronics and Telecomm, Engineers, vol. 32, no.1 pp. 11-16, 1986.

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
Underwater acoustics
IN The Encyclopedia of Physical Science and Technology, New York, NY, Academic Press, vol. 1, 1987, p. 171-190.

Ziomek, L J; Blount, R J
Underwater acoustic model-based signal processing
IEEE Transactions on Acoustics, Speech, and Signal Processing, vol. ASSP-35, no. 12, pp. 1670-1683, December, 1988.

Ziomek, L J; Chan, F
Frequency domain adaptive beamforming for planar arrays
Twentieth Ann. Asilomar Conf. on Signals, Systems, and Computers, Pacific Grove, CA, November, 1986.
IN Conference Record, Asilomar Conf. on Signals, Systems, and computers, p. 120-124, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS (cont'd)

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

Adler, R W
A numerical model of a conical monopole/rotatable log-periodic array
Prepared for the Naval Postgraduate School, Monterey, CA., March, 1988.

Atwater, H A
Circuit design of the loaded line phase shifter
IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-33, pg. 626-634, July 1985.

Burl, J B
Missle dynamics for RADAMS simulation
Ford Aerospace, Report No. RADAMS-065, 1985.

Burl, J B
Automated, computerized extracorporeal support (ACES)-final report
American Bentley Corporation, 1986.

Burl, J B
Computation of the associated legendre functions
Sponsored by Ford Aerospace and Communications Corp., Newport Beach, CA. Ford Report No. 7B23-87-001), 1987. 10 p.

Burl, J B
Spherical mode expansion of a radiation pattern
Sponsored by Ford Aerosol and Communications Corp., Newport Beach, CA. (Ford Report No. 7B23-87-002), 1987. 15 p.

Burl, J B; Hunter, R P
Extending ASP operation to the ASPEXCAP frequency
Sponsored by Ford Aerospace and Communications Corp., Newport Beach, CA. (Ford Report No. ASP-87-001), 1987. 30 p.

Burl, J B; Stubberud, A R
Control of distributed parameter systems study- final report
Sponsored by McDonnell Douglas Astromautics Corp., Huntington Beach, CA, 1987. 130 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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

TECHNICAL REPORTS AND NOTES (cont'd)

Gerba, A J
Simulation and performance of brushless DC motor actuators
Sponsored by Naval Weapons Center, China Lake, CA. Naval Postgraduate School, (NPS-69-85-028), Dec., 1985. 25 p.

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).

Ha, T T; Pratt, T
Study of spread spectrum multiple access systems for satellite communications with overlay on current services
Sponsored by NASA Lewis Research Center, Contract NAS 3-24887, 1987. 234 p.

Hartong, M W; Ross, A A; Loomis, H H
Timing of the S-1 MKIIAA uniprocessor in conducting digital cyclic analysis
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS52-85-007), February, 1985.

Knorr, J B
Mine simulator systems analysis
Prepared for the Planning Research Corporation, (JBK TR 87-1), November, 1987. p. 33.

Knorr, J B
A CAD model for the inductive strip in finline
International Microwave Symposium Steering Committee, (NPS-62-88-013), September 1988, 43 p.

Lee, C -H
Similarity counting architecture for object detection
Naval Postgraduate School, (NPS-62-86-007), June, 1986. 25 p.

Lee, C -H
Model-based building verification in aerial photographs
Sponsored by Defense Mapping Agency, Washington, DC, Naval Postgraduate School, (NPS- 62-87-001), September, 1987. 37 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

TECHNICAL REPORTS AND NOTES (cont'd)

Loomis, H H
Design of a covert communications technique (U)
Prepared for National Security Agency, Fort George G. Meade, MD. Naval Postgraduate School, (NPS-62-88-003), November 1987

Moose, P H; Bassiouni, A-A M
Solution of the lloyd max quantizer parameters by the method of successive substitution
Prepared for Naval Postgraduate School, Monterey, CA. (NPS-62-88-004), November 1987, 55 p.

Moose, P H
Optimal processing of PCM/FM telemetry signals from distributed receivers
Prepared for The Pacific Missile Test Center, Point Mugu, CA. Naval Postgraduate School, (NPS-62-88-002), October 1987, 41 p.

Therrien, C W
The analysis of multichannel two-dimensional random signals
Sponsored by Chief of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-62-87-002), Oct. 31, 1986. 98 p.

Therrien, C W
Modeling of Lincoln wideband radar cross section data
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS-62-88-001), October, 1987.

Therrien, C W; Lim, J
Study on image processing for turbid water viewing
Sponsored by Naval Undersea Warfare Engineering Station, Naval Postgraduate School, Monterey, CA, (NPS-62-87-013), June, 1987. 30 p.

DEPARTMENT
OF
MATHEMATICS

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

CONFERENCE PRESENTATIONS

Canright, D R; Davis, S H
Similarity solutions for solidification with convection
APS Division of Fluid Dynamics Annual Meeting, Buffalo, NY, November 20-22, 1988.

Cantin, G; Hartmann, M
On the solution of big problems with microcomputers
PVP (Pressure Vessel and Piping) Conf., Chicago, IL, Summer 1986.

Crowder, S; Wu, C T
Visual information management system for an effective performance of office tasks
2nd Intl. Conf. on Human-Computer Interacton, Honolulu, HI, Aug., 1987.

Danielson, D A
Nonlinear beam kinematics by decomposition of the rotation tensor
ASME Applied Mechanics, Bioengineering, and Fluids Engineering Conf., Cincinnati, OH, June, 1987.

Danielson, D A
Notes on nonlinear beam theory
AIAA/ASME/ASCE/AHS 28th Structures, Structural Dynamics, & Materials Conf., Monterey, CA, April, 1987.

Danielson, D A
Tripping of stiffened plates using a refined beam theory
Applied Mechanics and Engineering Science Conference, University of California at Berkeley, June 20, 1988.

Franke, R H
Recent advances in the approximation of surfaces from scattered data
Taller Internacional Sobre Approximacion de Franciones de Varias Variables, Santiago, Chile, December, 1986.

Franke, R H
Smoothing splines with GCV for weather problems
Approximation Theory Workshop, Univ. of Florence, Italy, July 2-3, 1986.

Franke, R H; Schumaker, L
A bibliography of multivariate approximation
Taller Internacional Sobre Approximacion de Franciones de Varias Variables, Santiago, Chile, December, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

CONFERENCE PRESENTATIONS (cont'd)

Garrett, S L; Danielson, D A
Theoretical analysis of a class V flextensional fiber-optic interferometric hydrophone
2nd Joint Meeting of the Acoustical Societies of American and Japan - Honolulu, November 14-18, 1988.

Gragg, W
Computational aspects of polynomials orthogonal on the unit circle
Tenth Gatlinburg Conference on Numerical Linear Algebra, Fairfield Glade, Tennessee, October, 1987.

Gragg, W
Computational aspects of polynomials orthogonal on the unit circle
Department of Mathematics, Kent State University, Kent, Ohio, October, 1987.

Gragg, W
Singular values of Hankel operators of finite rank
Tenth Gatlinburg Conference on Numerical Linear Algebra, Fairfield Glade, Tennessee, October, 1987.

Gragg, W
Singular values of Hankel operators of finite rank
American Mathematical Society Regional Meeting, Tennessee, March, 1988.

Gragg, W
Singular values of Hankel operators of finite rank
3rd SIAM Conference on Applied Linear Algebra, Madison, Wisconsin, May, 1988.

Gragg, W
The unitary eigenproblem
American Mathematical Society Regional Meeting, University of Kansas, Lawrence, Kansas, October, 1988.

Gragg, W
The unitary eigenvalue problem
Numerical Analysis Seminar, University of California, Berkeley, February, 1988.

Gragg, W
The unitary eigenvalue problem
Department of Mathematics, University of California, San Diego, June, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

CONFERENCE PRESENTATIONS (cont'd)

Gragg, W; Ammar, G
Constructing a unitary hessenberg matrix from spectral data
NATO Advanced Study Institute on Numerical Algebra, Digital Signal Processing, and Parallel Algorithms, Leuven, Belgium, August, 1988.

Gragg, W; Bunse-Gerstner, A
Singular value decomposition of complex symmetric matrices
Conference on Applications of Matrix Theory, University of Bradford, Great Britian, July, 1988.

Gragg, W; Reichel, L
A divide and conquer method for the unitary eigenproblem and applications
NATO Advanced Study Institue on Numerical Linear Algebra, Digital Signal Processing and Parallel Algorithms, Leuven, Belgium, August, 1988.

Madison, D E; Wu, C T
An expert system interface and data requirements for the integrated design and manufacturing process
3rd Intl. Conf. on Data Engineering, Los Angeles, CA, Feb., 1987.

Madison, D E; Wu, C T
An integration in computer integrated manufacturing
Intl. Computer Engineering Design Conf., Boston, MA, Aug., 1987.

McMahon, J; Franke, R H
Selection of knot locations for approximation of scattered data by least squares thin plate splines
Participatory Symp. on topics in GAGD, Wolfenbuettel, West Germany, June 24-27, 1986.

Neta, B
Special methods for problems whose oscillatory solution is damped
1986 Ordinary Differential Equations conf., Albuquerque, NM, July 28-Aug. 1, 1986.

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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

CONFERENCE PRESENTATIONS (cont'd)

Neta, B; Williams, R T
Finite elements versus finite differences for fluid flow problems
Numeta 87, Swansea, United Kingdom, July, 1987.

Owen, G
Pari matual as a system of aggregation
NATO Advanced Study Institute on Game Theory, Anacapri, Italy, June, 1987.

Owen, G
The finagle point for characteristic function games
Intl. Conf. on Game Theory, Colombus, OH, June, 1987.

Owen, G; Carreras, F
Evaluation of the Catalonian Parliament 1980-84
4th Italian Conf. on Game Theory, Bergamo, Italy, June, 1987.

Owen, G; Carreras, F
Evaluation of the Catalonian Parliament, 1980-84
Public Choice Soc. Mtg., Tucson, AZ, March, 1987.

Owen, G; Carreras, F
Evaluation of the Euskaran Parliament, 1986
Intl. Conf. on Parliamentary Coalitions, Fiesole, Italy, May, 1987.

Weir, M D
Teaching mathematical modeling
3rd Intl. Conf. on Mathematical Modeling, St. Louis, MO, August, 1987.

Weir, M D; Giordano, F R
A two-tiered approach to teaching mathematical modeling
Math Asso. of Am., New Jersey Section Mtg., Stevens Inst. Technol., NJ, Apr 26, 1986.

Weir, M D; Giordano, F R
Mathematical modeling
MD-DC-VA Section of Math Asso. of Am. workshop, Salisbury State College, MD, June 2-6, 1986.

Weir, M D; Giordano, F R
Teaching mathematical modeling
12th Annual AMATYC Convention, San Francisco, CA, November, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

CONFERENCE PRESENTATIONS (cont'd)

Weir, M D; Giordano, F R
Teaching mathematical modeling
MAA Section Workshop/Pennsylvania-Delaware, Grantham, PA, June, 1987.

Weir, M D; Giordano, F R
Teaching mathematical modeling
70th Ann. AMS-MAA Joint Mtgs., San Antonio, TX, January, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

CONTRIBUTIONS TO BOOKS

DeVito, C L
Applications of the non-standard theory of locally convex spaces
IN Lin and Simons, eds.: Non-Linear and Convex Analysis, vol. 107, Marcel Dekker, Inc., 1987, p. 37-47.

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.

Neta, B; Williams, R T; Hinsman, D E
Studies in a shallow water model with topography
IN Numerical Mathematics and Applications, Elsevier Science Publishers, 1986, p. 347-354.

Owen, G
Condorcet Models: Avenues for future Research
IN A. Grofman, G. Owen: Information pooling & group decision making, JAI Press, p. 93-102, (1986).

Owen, G
Fair indirect majority rules
IN B. Grofman and G. Owen: Information pooling and group decision making, JAI Press, p. 223-229, (1986).

Owen, G; Grofman, B; eds.
Information pooling and group decision making
JAI Press, 1986. 280 p.

Weir, M D; Fox, W P; Giordano, F R; Maddox, S L
Mathematical modeling with minitab
Brooks/Cole Pub., 1986. 230 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

Cantin, G; Hartmann, M
On the solution of big problems with microcomputers
PVP (Pressure Vessel and Piping) Conf., Chicago, IL, Summer 1986.
IN Engineering applications of microcomputers PVP-vol. 102, CED-vol. 2, ASME, (1986).

Danielson, D A
Notes on nonlinear beam theory
AIAA/ASME/ASCE/AHS 28th Structures, Structural Dynamics, & Materials Conf., Monterey, CA, April, 1987.
IN 28th Structures, Structural Dynamics, and Materials Conf., p. 496-500, (1987).

Danielson, D A; Hodges, D H
Nonlinear beam kinematics by decomposition of the rotation tensor
J. of Applied Mechanics, vol. 54, p. 258-262, (June, 1987).

Danielson, D A; Hodges, D H
Notes on noninear beam theory
AIAA/ASME/ASCE/AHS 28th Structures, Structural Dynamics, and Materials Conf., 1987.
IN Proc., AIAA/ASME/ASCE/AHS, Part 1, p. 496-500, (1987).

Danielson, D A; Hodges, D H
A beam theory for large global rotation, moderate local rotation and small strain
Journal of Applied Mechanics, vol. 55, pp. 179-184, March, 1988.

DeVito, C L; Suchanek, A M
Schauder's theorem & Riesz theory for compact-like operators
Mathematische Zeitschrift, no. 192, p. 129-134, (1986).

Franke, R H
Objective analysis by simultaneous treatment of backround and observations
Preprints of Tenth Conference of Probability and Statistics in Atmospheric Sciences, Edmonton, Canada, October 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

PUBLISHED PAPERS (cont'd)

Franke, R H; Schumaker, L
A bibliography of multivariate approximation
Taller Internacional Sobre Approximacion de Franciones de Varias Variables, Santiago, Chile, December, 1986.
IN Topics in Multivariate Approximation, Academic Press, p. 275-335, (1987).

Franke, R H; Schumaker, L
A bibliography of multivariate approximation
Taller Internacional Sobre Approximacion de Franciones de Varias Variables, Santiago, Chile, December, 1986.

Franke, R H; Schumaker, L
A bibliography of multivariate approximation
Taller Internacional Sobre Approximacion de Franciones de Varias Variables, Santiago, Chile, December, 1986.
IN Topics in Multivariate approximation, Academic Press, p. 275-335, (1987).

Fredricksen, H; Hales, A W; Sweet, M M
A generalization of Swan's theorem
Mathematics of Computation, vol. 46, no. 173, p. 321-331, (Jan., 1986).

Fredricksen, H; Kessler, I
An algorithm for generating necklaces of beads in two colors
Discrete Mathematics, vol. 61, p. 181-189, (November, 1986).

Fredricksen, H; Kessler, I J
An algorithm for generating necklace of beads in two colors
Discrete Mathematics, vol. 61, nos. 2-3, p. 181-188, (1986).

Fredricksen, H; Ward, R
Table of irreducible binary pentanomials of degrees 4 through 100
Mathematics of Computation, (January, 1987).

Goldstein, A A; Russak, I B
How good are the proximal point algorithms?
Numerical Functional Analysis and Optimization, vol. 9, no. 7&8, p. 709-724, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

PUBLISHED PAPERS (cont'd)

Madison, D E; Wu, C T
An expert system interface and data requirements for the integrated design and manufacturing process
3rd Intl. Conf. on Data Engineering, Los Angeles, CA, Feb., 1987.
IN Proc., 3rd Intl. Conf. on Data Engineering, p. 610-618, (1987).

Madison, D E; Wu, C T
An integration in computer integrated manufacturing
Intl. Computer Engineering Design Conf., Boston, MA, Aug., 1987.
IN Proc., ICEDC, p. 394-398, (1987).

Neta, B
Families of backward differentiation methods based on trigonometric polynomials
Intl. J. of Computer Mathematics, vol. 20, (1987).

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).

Neta, B; Igwe, J O
Finite differences versus finite elements for solving nonlinear integro-differential equations
J. of Mathmatical Analysis and Applications, vol. 112, pg. 607-618, 1985.

Neta, B; Nelson, P
An adaptive method for the numerical solution of a Fredholm integral equation of the second kind. Part 1: Regular kernals
Applied Mathematics and Computation, vol. 21, p. 171-184, (1987).

Neta, B; Williams, R T
Stability and phase speed for various finite element formulations of the advection equation
Computers and Fluids, vol. 14, no. 4, p. 393-410, (1986).

Neta, B; Williams, R T
Finite elements versus finite differences for fluid flow problems
Numeta 87, Swansea, United Kingdom, July, 1987.
IN Transient/Dynamic Analysis and Constitutive Laws for Engineering Materials, vol. 2, p. T11/1-8, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

PUBLISHED PAPERS (cont'd)

Owen, G
Values of graph-restricted games
SIAM J. of Algebraic and Descrete Methods, vol. 7, no. 2, p. 210-220, (Apr., 1986).

Owen, G
Application of game theoretic analysis to demography
Management Science, vol. 33, no. 2, p. 253-257, (February, 1987).

Owen, G
Paths leading to the Naoh set
In The Shapley Value ed., A Roth, Cambridge University Press, pp. 321-330, 1988.

Owen, G; Grofman, B; Glazer, A; Noviello, N
Stability and centrality of legislative choice
American Poli. Science Review, p. 539-553, (1987).

Weir, M D; Fox, W; Giordano, F r; Maddox, S
Teaching linear programming with MINITAB
The COED J., (Computers in Education), vol. 7, no. 1, p. 2-5, (January, 1987).

Weir, M D; Fox, W P; Giordano, F R; Maddox, S L
Teaching linear programming with MINITAB
Computers In Education (CoED) J., p. 1-4, (Dec., 1986).

Weir, M D; Giordano, F R
A first modeling course: The use of UMAP modules
UMAP J., vol. 6, no. 4, p. 1-6, (1986).

Weir, M D; Jaye, M J; Giordano, F R
The use of dimensional analysis in mathematical modeling
UMAP J., vol. 7, no. 2, p. 157-178, (June, 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES

Bassingthwaighte, J B; Chan, J S; Goldstein, A A; Russak, I B
GGOPT an unconstrained non-linear optimizer
Naval Postgraduate School, (NPS-53-86-016), Sept., 1986. 10 p.

Beda, T J; Wu, C T; Zyda, M J
An improved user interface for an interactive graphics figure illustrator
Sponsored by Naval Postgraduate School, Monterey, CA, (NPS-52-87-025), June, 1987.

Carreras, F; Owen, G
Evaluation of the Catalonian Parliament, 1980-1984
Naval Postgraduate School, (NPS-53-86-010), July, 1986. 6 p.

Danielson, D A
Tripping of stiffened plates using a refined beam theory
Prepared for Office of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-53-88-003), April 1988, 34 p.

Danielson, D A
Tripping of stiffened plates using a regined beam theory
Naval Postgraduate School, (NPS-53-88-003), April 1988, 34 p.

DeVito, C L
On ptak's generalization of the open-mapping and closed-graph theorems
Naval Postgraduate School, (NPS-53-

Franke, R H
Recent advances in the approximation of surfaces from scattered data
Sponsored by Naval Postgraduate School, Monterey, CA, (NPS-53-87-001), April, 1987. 32 p.

Franke, R H
Statistical interpolation by iteration
Sponsored by Office of Naval Research, Arlington, VA.
Naval Postgraduate School, Monterey, CA, (NPS-53-87-003), 1987. 8 p.

Franke, R H
Covariance functions for statistical interpolation
Prepared for Naval Environmental Prediction Research Facility, Monterey, CA. Naval Postgraduate School, (NPS-53-86-007), Sept., 1986. 84 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

Franke, R H; Barker, E; Goerss, J
The use of observed data from the initial value problem in numerical weather prediction
Sponsored by Office of Naval Research, Arlington, VA, Naval Postgraduate School, (NPS-53-87-002), April, 1987. 39 p.

Franke, R H; McMahon, J
Knot selection for least squares thin plate splines
Sponsored by Naval Postgraduate School, Monterey, CA, (NPS-53-87-005), September, 1987. 20 p.

Ghandehart, M
An optimal control formulation of the blaschke-lebesgue theorem
Prepared for Naval Postgraduate School, Monterey, (NPS-53-88-008), August 1988, 20 p.

Ghandehart, M
An optimal control formulation of the blaschke-lebesgue theorem
Naval Postgraduate School, Monterey, (NPS-53-88-008), August 1988, 20 p.

Goldstein, A
How good are global newton methods - Part 2
Prepared for Naval Surface Weapons Center, Dahlgren, VA. Naval Postgraduate School, (NPS-53-88--010), September 1988, 39 p.

Goldstein, A A; Russak, I B
A study of proximal point algorithms
Naval Postgraduate School, (NPS-53-86-015), Sept., 1986. 12 p.

Goldstein, A A; Russak, I B
Optimal triangulation in the presence of range errors
Prepared for NUWES, Keyport, WA. Naval Postgraduate School, (NPS-53-86-012), Nov., 1986. 11 p.

Hartman, M
A user friendly mesh generator using the C programming language
Naval Postgraduate School, (NPS-53-86-0005), Feb., 1986. 44 p.

Jayachandran
A tutorial on APL 2
Naval Postgraduate School, (NPS-53-88-007), July 1988, 37 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

Jayachandran, T
A tutorial on APL2
Prepared for Naval Postgraduate School, Monterey, CA. (NPS-53-88-007), July 1988, 37 p.

Jayachandran; Larson, H J
Sampling intervals
Commanding Officer, Kelly Air Force Base, (NPS-53-87-006), November 1987, 12 p.

Madison, D E; Wilbur, T G; Wu, C T
A data-oriented approach to integrating manufacturing functions
Sponsored by NPS Research Foundation, Naval Postgraduate School, Monterey, CA, (NPS-52-87-024), June, 1987. 42 p.

Madison, D E; Wu, C T
A database approach to computer integrated manufacturing: Process planning using group technology
Sponsored by NPS Research Foundation and Naval Ocean Systems Command, Monterey, CA, (NPS-52-87-036), August, 1987. 17 p.

Mendez, R H
The performance of the NEC SX-2 supercomputer system compared with that of the Cray X-MP/4 and Fujitsu VP-200
Naval Postgraduate School, (NPS-53-86-011), Sept., 1986.

Neta, B
Special methods for problems whose oscillatory solution is damped
Sponsored by NPS foundation Res. Program. Naval Postgraduate School, (NPS-53-86-012), Sept., 1986. 19 p.

Neta, B
A new conservative scheme for solving the two body problem
Naval Postgraduate School, (NPS-53-88-009), September 1988, 10 p.

Neta, B; Navon, I M
The transfer function analysis of the Turkel-Zwas scheme for the shallow-water equations
Sponsored by Florida State Univ., (FSV-SCRI-87-30), June, 1987. 23 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

Owen, G; Carreras, F
Evaluation of the Catalonian parliament, 1980-1984
Sponsored by National Science Foundatiion/Joint Spanish-U.S. Committee on Science. Naval POstgraduate School, (NPS-53-86-010), July, 1986.

Owen, G; Grofman, B; Glazer, A; Noviello, N
A new look at an old solution concept
Sponsored by National Science Foundation. Univ. of California at Irvine, School of Social Sciences, Apr., 1986.

Owen, G; Maschler, M
The expected marginal payoff value for hyperplane games
Sponsored by National Science Foundation. Hebrew Univ. Jerusalem, Israel, Research Memo 74, (Oct., 1985).

Owen, G; Wuffle, A; Feld, S; Grofman, B
Finagle's law and the finagle point
Sponsored by Science Foundation. Univ. of California at Irvine, School of Social Science, Apr., 1986.

Russak, I B; Goldstein, A A
Optimal triangulation in the presence of range errors
Sponsored by NUWES, Keyport, Washington. Naval Postgraduate School, (NPS-53-86-013), Sept., 1986. 13 p.

Russak, I B; Goldstein, A A; Chan, J S;
Bassingthwaighte, J R
An algorithm for noisy function minimization for use in optimal trajectory design
Sponsored by Naval Surface Weapons Center, Dahlgren, VA. Naval Postgraduate School, (NPS-53-86-014), Sept., 1986.

Schoenstadt, A; Parry, S H
Toward an axiomatic generalized value system
Sponsored by U.S Army TRADOC Systems Analysis Agency. Naval Postgraduate School, (NPS-53-86-008), May, 1986. 24 p.

Solnick, L M
The effects of sea pay on reenlistments and voluntary extensions
Naval Postgradaute School, (NPS-53-88-012), November 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

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.

Williamson, L
Linear algebra using Pascal MT+
Naval Postgraduate School, (NPS-53-86-0001), Jan., 1986. 88 p.

Wilson, O B; Esary, J D
Annual summary report, range studies program
Sponsored by Naval Undersea Warfare Engineering Station. Naval Postgraduate School, (NPS-61-86-033PR), Oct., 1985. 19 p.

Zyda, M J; Wu, C T; Falby, J S
A data structure for a multi-illumination model renderer
Sponsored by HQ, USACDEC, FT Ord, Ca. Naval Postgraduate School, (NPS-52-86-026), Dec., 1986. 129 p.

DEPARTMENT OF MECHANICAL ENGINEERING

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONFERENCE PRESENTATIONS

Adachi, K; Perkins, A J
The effect of thermal cycling on Martensitic transformations in a Cu-Zn-Al alloy
Int. Symp. on Shape Memory Alloys, Guilin, China, Sept. 6-9, 1986.

Adachi, K; Perkins, A J; Wayman, C M
Intervariant and interplate group boundaries in 18R Cu-Zn-Al Martensites
Int. Conf. on Martensitic Transformations (ICOMAT-86), Nara, Japan, Aug. 26-30, 1986.

Avramovic-Cingara; McQueen, H J; Salama, A; McNelley, T R
Hot working and non-superplastic behavior of Al-Fe and AlFe-Co alloys
Annual Fall Meeting of the American Society for Metals and the Materials Society of AIME, Chicago, IL., September 25-29, 1988.

Avramovic-Cingara; McQueen, H J; Salama, A; McNelley, T R
Hot working and resultant 300*C mechanical behavior of Al-Fe and Al-Fe-Co alloys
The 8th International Conference on Strength of Metals and Alloys (ICSMA-8), Tampere, Finland, August, 23-27, 1988.

Budweg, H L; Shin, Y S
Experimental studies on the trig behavior of narrow T-stiffened flat plates subjected to hydrostatic pressure and underwater shock
Presented at the 58th Shock and Vibration Symposium, Huntsville, AL., October 13-15, 1987.

Cantin, G; Hartmann, M
On the solution of big problems with microcomputers
PVP (Pressure Vessle and Piping) Conf., Chicago, IL, Summer, 1986.

Challenger, K
Welding the Cu-precipitation hardened HSLA steels
AWS Ann. Conf., Chicago, IL, March, 1987.

Challenger, K
Welding the Cu-precipitation hardened HSLA steels
IIW Ann. Meeting, Corrosion IX, Safia, Bulgaria, July, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONFERENCE PRESENTATIONS (cont'd)

Chang, L W; Gannon, K P
A dynamic model on a single-link flexible manipulator
ASME Vibration Conf., Boston, MA, September, 1987.

Crooks, R; Hales, S J; McNelley, T R
Microstructural refinement via continuous recrystallization in a superplastic aluminum alloy
International Conference on Superplasticity and Superplastic Forming, Blaine, Washington, August 3-7, 1988.

Hales, S J; McNelley, T R
Microstructure evolution by continous recrystallization in thermomechanically processed Al-Mg alloys
116th Annual Meeting of the Metallurgical Society of AIME, Denver, Colorado, February, 1987.

Hales, S J; McNelley, T R
Fine-grained superplasticity at 300*C in a wrought Al-Mg alloy
In the Symposium on Superplasticity in Aerospace, 117th Annual Meeting of AIME, Phoenix, AZ., January 25-28, 1988.

Heikkenen, H C; McNelley, T R
Superplasticity in Aerospace
The Metal and Materials Society of AIME, Warrendale, PA., 1988.

Joshi, Y; Kelleher, M D; Benedict, T J
Natural convection immersion cooling of an array of simulated chips in an enclosure filled with dielectric fluid
Presented at the XXth International Symposium of the International Center for Heat and Transfer, Dubrovnik, Yugoslavia, August, 1988.

Kelleher, M D
Computation of Turbulent flow over a moving wavy wall
ONR Drag Reduction Symp., Nat. Academy of Sci., Washington DC, Oct. 22, 1985.

Kelleher, M D; Knock, R H; Yang, K T
Laminar natural convection in a rectangular enclosure due to a hated protrusion on one vertical wall- Part 1: Experimental investigation
1987 ASME-JSME Thermal Engineering Joint Conf., Honolulu, HA, March, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONFERENCE PRESENTATIONS (cont'd)

Knot, G; Shin, Y S; Chargin, M
A model analysis of the violin.
Proceedings of the MSC/NASTRAN World Users Conference, Los Angeles, CA., March, 1988.

Knott, G A; Shin, Y S
Vibrating violin
PATRAN Users Conf., Newport Beach, CA, June 3-5, 1986.

Lee, E W; McNelley, T R
Enhanced ductility in 7475 aluminum by thermomechanical processing
115th Annual Mtg. Metallurgical Soc. of AIME, New Orleans, LA, Mar. 24-27, 1986.

Lee, E W; McNelley, T R; Alcamo, M E; Berthhold, D B
Evolution of microstructure during superplastic flow in AL-10%MG-0.1%Zr
Annual Fall Mtg. Metallurgical Soc. of AIME and Am. Soc. for Metals, Toronto, Canada, Oct. 7-10, 1985.

Lee, J J; Liu, K V; Yang, K T; Kelleher, M D
Laminar natural convection in a rectangular enclosure due to a heated protrusion on one vertical wall- Part II: Numerical simulations
1987 ASME-JSME Thermal Engineering Joint Conf., Honolulu, HA, March, 1987.

Ligrani, P M; Baun, L R; Singer, B A
Development and structure of dean vortices in a curved channel with 40:1 aspect ratio
American Physical Society Division of Fluid Dynamics, 41st Annual Meeting, Buffalo, November, 1988.

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.

Ligrani, P M; Ortiz, A; Joseph, S L; Evans, D L
Effects of embedded vortices on film-cooled turbulent boundary layers
ASME 33rd International Gas Turbine and Aeroengine Conference and Exposition, Amsterdam, June, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONFERENCE PRESENTATIONS (cont'd)

Liu, K V; Yang, K T; Kelleher, M D
Three dimensional natural convection cooling of an array of heated protrusions in an enclosure filled with a dielectric liquid
Intl. Symposium on Cooling Technology for Electronic Equipment, Honolulu, HA, March, 1987.

Marto, P J
Recent progress in enhancing film condensation heat transfer on horizontal tubes- keynote paper
8th Int. Heat Transfer Conf., San Francisco, CA, Aug. 17-22, 1986.

Marto, P J; Mitrou, E; Wanniarachchi; Rose, J W
Film Condensation of steam on horizontal finned tubes: Effect of fin Shape
8th Int. Heat Transfer Conf., San Francisco, CA, Aug. 17-22, 1986.

Marto, P J; Wanniarachchi; Pulido, R J
Augmenting the nucleate pool boiling characteristics of GEWA-T finned tubes in R-113
ASME Winter Annual Mtg., Miami, FL, Nov. 20, 1985.

McNelley, 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.

McNelley, T R
Superplasticity in thermomechanically processed high-Mg, Al-Mg alloys
Symp. on Mech. Behavior of Aluminum Alloys, Stanford Univ. - Calif., Apr. 16, 1985.

McNelley, T R
Thermomechanical processing and superplasticity in Al-Mg-Li-Zr alloys
Forth International Conference on Aluminum-Lithium, Al-Li IV, CNRS, Paris, June, 1987.

McNelley, T R; Butterfield, F A
Porosity Associated with insoluble carbides in VIM-VAR AISI M-50 steel and its probable effects on rolling contact fatigue
Joint Am. Soc. Lubrication Engineers and Am. Soc. for Mechanical Engineers Tribology Conf., Atlanta, GA, Oct. 22-24, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONFERENCE PRESENTATIONS (cont'd)

McNelley, T R; Hales, S J
Microstructure refinement by continuous recrystallization during processing of superplastic aluminum alloys
WESTEC-88, Los Angeles, CA., March 21-24, 1988.

McNelley, T R; Hales, S J; Salama, A A
Superplastic response by continuous recrystallization in high-Mg, Al-Mg alloys
WESTEC- 87 American Society for Metals and Society for Manufacturing Engineers, Los Angeles, California, March, 1987.

McNelley, T R; Hartmann, T S
The effect of recrystallization and grain growth on the activation energy for superplastic deformation in an Al-Mg-Zr alloy
115th Annual Mtg. Metallurgical Soc. of AIME, New Orleans, LA, Mar. 14-17, 1986.

McNelley, T R; Lee, E W
Effect of TMP variables on superlasticity 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.

McNelley, T R; Lee, E W; Garg, A
Superplasticity in a thermomechanically processed high-Mg, Al-Mg-X alloy
Int. Conf. on Aluminum Alloys--Their Physical and Mechanical Properties, Univ. of Virginia, Charlottesville, VA, June 16-20, 1986.

McNelley, T R; Lee, E W; Self, R J; Hartmann, T S
Influence of Cu, Mn and Zr additions on the superplastic behavior of Al-Mg-X Alloys
Annual Fall Mtg. Metallurgical Soc. of AIME and Am. Soc. for Metals, Toronto, Canada , Oct. 7-10, 1985.

Nunn, R H
Jet vane heat transfer modeling
KTA-9 Group Mtg., Naval Postgraduate School, Monterey, CA, July, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONFERENCE PRESENTATIONS (cont'd)

Nunn, R H
Modeling of jet vane heat-transfer characteristics and simulation of thermal response
TTCP Panel W4 (Propulsion Technology), Key Technical Area 9, Naval Weapons Center, China Lake, September, 1987.

Nunn, R H; Olson, F
Application of numerical optimization to modern control
Optimization Users' Group Mtg., Santa Barbara, CA, Aug. 11-12, 1986.

Perkins, A J
The two-way shape memory effect
Int. Symp. on Shape Memory Alloys, Guilin, China, Sept. 6-9, 1986.

Perkins, A J
Tweed microstructures and the evolution of high damping in Cu-Mn-based alloys
Phase Transformations '87, Cambridge, MA, July, 1987.

Perkins, A J
The two-wayshape memory effect
Proceedings of the Symposium and Workshop on Engineering Aspects of Shape Memory, The Metallurgical Society, August 15-17, 1988.

Perkins, A J; Adachi, K; Messalski, T B; Yamashita, T; Mayes, L L; Heil, J P; Farkas, D M; Reskusich, J
Tweed contrast and flickering feastures due to FCC-to-FCT lattice instability in aged Cu-Mn alloys
1988 Fall Meeting of the Metallurgical Society, Chicago, IL., September, 1988.

Perkins, A J; Adachi, K; Wu, M H; Yamashita, T
TEM studies of Transformation interfaces and substructures in some copper-based shape memory alloys
Proceedings of the Symposium on the Use of TEM in the Study of Phase Transformations, Ultramicroscopy, 1988.

Perkins, A J; Mayes, L L; Yamashita, T; Wu, M H; Reskusich, J
Pre-Martensitic transitions in aged Cu-Mn alloys
Proceedings of the MRS International Meeting on Advanced Materials, Tokoyo, May 30-June 3, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONFERENCE PRESENTATIONS (cont'd)

Perkins, A J; Wu, M H; Adachi, K
Interfaces and substructures in copper-based shape memory alloys
Proceedings of the 1988 Electron Microscopy Society of America 46th Annual Meeting, San Francisco Press, San Francisco, pp. 786-787, 1988.

Petroka, P; Chang, L W
Computer simulation and experimental validation of a dynamic model (equivalent rigid link system) on a single-link flexible manipulator
57th Shock and Vibration Symposium, New Orleans, LA, October, 1986.

Salama, A A; McNelley, T R; Hales, S J
Models for superplastic behavior of thermomechanically processed Al-Mg alloys
116th Annual Meeting of the Metallurgical Society of AIME, Denver. Colorado, February, 1987.

Sarpkaya, T; Henderson, D
Surface scars and striations
AIAA Paper no. 85-0445, January, 1985.

Shin, Y S; Kim, K S; Dew, D D
Strain dependent damping characteristics of a high damping manganese-copper alloy
ASME Biennial Conf. on Mechanical Vibration and Noise, Boston, MA, September, 1987.

Shin, Y S; Milster, P F; Knouse, S T
Parametric studies on the measurement of damping quantities
Proceedings of the 6th International Conference of Pressure Vessel Technology, Beijing, China, September 11-16, 1988.

Smith, D L
Linear modeling of a marine gas turbine power plant
ASME Gas Turbine and Aeroengine Congress, Amsterdam, June 6-9, 1988.

Strandquist, J H; Shin, Y S
Investigation into the effects of using detonating cord to remove a conventional propeller from a water borne surface ship
The 56th Shock and Vibration Symp., Monterey, CA, Oct. 22-24, 1986.

Wanniarachchi; Marto, P J; Reilly, J T
The effect of oil contamination on the nucleate pool boiling performance of R-114 from a porous-coated surface
ASHRAE 1986 Annual Mtg., Portland, OR, June 22-25, 1986.

Wu, M H; Perkins, A J; Wayman, C M
Antiphased domain structures in Cu-Zn-Al 1 bainite plates
Proceedings of the International Conference on Bainite, Chicago, September 26-27, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONTRIBUTIONS TO BOOKS

Healey, A J
Mechanical design and systems handbook
Ed. Harold A. Rothbart, Section 43, Hydraulic Components, McGraw Hill, 1985.

Heikkenen, H C; McNelley, T R
Superplasticity in aerospace
The Metals and Materials Society of AIME, Warrendale, PA., 1988.

Perkins, A J
Shape memory alloys
IN Encyclopedia of Sci. and Technol., 16th ed., McGraw Hill, 1985.

Sarpkaya, T
Oscillating flow about cylinders: Experiments and analysis
IN ASME-FED, Vol. 52, Forum on Unsteady Flow Separation, 1987, p. 139-146.

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).

Adachi, K; Perkins, A J
The effect of thermal cycling on Martensitic transformations in a Cu-Zn-Al alloy
Int. Symp. on Shape Memory Alloys, Guilin, China, Sept. 6-9, 1986.
IN Proc., China Academic Pub., p. 280-285, (1986)

Adachi, K; Perkins, A J; Wayman, C M
Type II Twins in self-accommodating Martensite plate variants in a Cu-Zn-Al shape memory alloy
Acta Metallurgica, vol. 34, p. 2471-2485, (1986).

Adachi, K; Perkins, AJ
Deformation of Martensite in polycrystalline Cu-Zn-Al alloy
Metallurgical Trans. A, vol. 17A, p. 945-959, (June, 1986).

Butterfield, F A; McNelley, T R
Porosity associated with insoluble carbides in VIM-VAR AISI M-50 steel and its probable effect on rolling contact fatigue
Trans., ASME, vol. 108, p. 352-358, (July, 1986).

Cantin, G; Hartmann, M
On the solution of big problems with microcomputers
PVP (Pressure Vessel and Piping) Conf., Chicago, IL, Summer, 1986.
IN Engineering applications of microcomputers
PVP-vol. 102,, CED-vol. 2, ASME, (1986).

Challenger, K
The damage tolerance of carbon fiber reinforced composites
Journal of Composite Structures, vol. 6, pp. 295-318, 1986.

Challenger, K; Deb, P; Burna, R F
Microstructural characterization of shielded metal arc weldments of a Cu-bearing HSLA steel
Materials Sci. and Technol., vol. 1, p. 1000-1006, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS (cont'd)

Challenger, K; Deb, P; Clark, D R
TEM characterization of preheated and non-preheated SMA weldments of HY-80 steel
Materials Sci. and Eng., vol. 77, p. 155-167, (1986).

Challenger, K; Skelton, R P; Kamen, J
The effect of oxidation of the fatigue crack growth of 2.25 cr - 1 mo steel at 525 C
Mat. Science, Engineer, vol. 91, pp. 1-6, 1987.

Chang, L W; Gannon, K P
A dynamic model on a single-link flexible manipulator
ASME Vibration Conf., Boston, MA, September, 1987.
IN Model Testing and Analysis (DE-Vol. 3), ASME, p. 23-38, (Sept. 1987).

Garg, A; McNelley, T R
Estimation of the Martensite carbon content in AS-quenched AISI 52100 steel by X-ray diffraction
Materials Letters, vol. 4, p. 214-218, (June. 1986).

Garg, A; McNelley, T R; Perry, J L
Analysis of microporosity associated with insoluble carbides in VIM-VAR AISI M-50 steel
Metallography, vol. 20, pp. 89-98, 1987.

Hales, S J; McNelley, T R
Fine grained superplasticity at 3008C in a wrought Al-Mg alloy
In Superplasticity in Aerospace, TMS-AIME, Warrendale, PA., pp. 61-76, 1988.

Hales, S J; McNelley, T R
Microstructure evolution by continuous recrystallization in a superplastic Al-Mg alloy
Acta Metallargica, vol. 36, pp. 1229-1239, 1988.

Healey, A J; Roberts, R A; Hazlegrove, B M
Arctic pipeline construction simultaneous trench and lay through landfast ice
Proc. of 5th International Conference on Offshore Mechanics, ASME, April 1986.

Healey, A J; Weidler, J B; Hazelgrove, B M
Technical considerations for beaufort sea pipelines
Proc. of A.S.C.E. Civil Engineering in the Artic Offshore Conference, San Francsisco, March 25-27, 1985, pg. 774-782.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS (cont'd)

Joshi, Y
On the termination of one-dimensional transport in transient buoyancy induced flow adjacent to a vertical surface
International Journal of Heat and Mass Transfer vol. 30, pg. 1766-1729, 1987.

Joshi, Y
Transient natural convection flow
Invited Contribution to the Encyclopedia of Fluid Mechanics, Vol. 8 N.P. Cheremisinoff, Ed., in press, 1987.

Joshi, Y
Wall plume at extreme prandtl numbers
International Journal of Heat and Mass Transfer, vol. 30, pg. 2686-2690, 1987.

Joshi, Y; Gebhart, B
Mixed convection flows in porous media adjacent to a vertical uniform heat flux surface
International Journal of Heat and Mass Transfer, Vol. 28, No.9, pg. 1783-1786, 1985

Joshi, Y; Gebhart, B
Measurements and visualizations of steady and transient natural convection flows in cold water
Presented at A.S.M.E. 23rd National Heat Transfer Conference, Denver Colorado, August 1985.
International Journal of Heat and Mass Transfer, Vol 29, pg. 1723-1740, 1986.

Joshi, Y; Gebhart, B
Transient response of vertical natural convection flow subject to change in surface heating rate
International Journal of Heat and Mass Transfer, vol. 31, pg. 743-757, 1988.

Joshi, Y; Gebhart, B
Transition of transient vertical natural convection flow in water
Journal of Fluid Mechanics, Vol. 179, pg. 407-438, 1987

Joung, I B; Shin, Y S
A new model on transient wave propagation in fluid-filled tubes
ASME Journal of Pressure Vessel Technology, February, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS (cont'd)

Kelleher, M D; Knock, R H; Yang, K T
Laminar natural convection in a rectangular enclosure due to a heated protrusion on one vertical wall- Part 1: Experimental investigation
1987 ASME-JSME Thermal Engineering Joint Conf., Honolulu, Hawaii, March, 1987.
IN Proc., ASME-JSME, (1987).

Knott, G A; Shin, Y S
Vibrating violin
PATRAN USERS Conf., Newport Beach, CA, June 3-5, 1986.
IN Proc., 1986 PATRAN Users conf., 1986. 364 p.

Kraus, A D
Efficiency of extended surface
ASME Symp.: Heat transfer in electronic equipment, HTD-v. 57, p. 23-29, (June, 1986).

Kraus, A D; Snider, A D
Choking and optimization of extended surface arrays
J. of Heat Transfer, v. 107, p. 746-749, (Nov., 1985).

Lee, E W; McNelley, T R
Microstructure evolution during processing and superplastic flow in a high-Mg, Al-Mg alloy
Journal of Materials Science and Engineering, vol 93, pp. 45-55, 1987.

Lee, E W; McNelley, T R
Application of a thermomechanical process for grain refinement to 7475 aluminum
Journal of Materials Science and Engineering, vol. 96, pp. 253-258, 1988.

Lee, E W; McNelley, T R; Stengel, A F
The influence of processing variables on superplasticity in a high-Mg, Al-Mg alloy
Metallurgical Trans. A, vol. 17A, p. 1043-1050, (June, 1986).

Lee, J J; Liu, K V; Yang, K T; Kelleher, M D
Laminar natural convection in a rectangular enclosure due to a heated protrusion on one vertical wall- Part II: Numerical simulations
1987 ASME-JSME Thermal Engineering Joint Conf., Honolulu, Hawaii, March, 1987.
IN Proc., ASME-JSME, (1987).

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; Bradshaw, P
Spatial resolution and measurement of small-scale turbulence in the viscous sublayer using subminiature hot-wire probes
Experiments in Fluids, vol. 5, no. 6, p. 407-417, (August, 1987).

Ligrani, P M; Bradshaw, P
Subminiature hot-wire sensors: Development and use
J. of Physics E - Scientific Instruments, vol. 20, no. 3, p. 323-332, (March, 1987).

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; Joseph, S L; Ortiz, A; Evans, D L
Heat transfer in film-cooled turbulent boundary layers at different blowing ratios as affected by longitudinal vortices
Experimental Thermal and Fluid Science, vol. 1, no. 4, pp. 347-362, 1988.

Ligrani, P M; Moffat, R J
Structure of transitionally rough and fully rough turbulent boundary layers
J. Fluid Mechanics, vol. 162, p. 69-98, (Jan., 1986)

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).

Ligrani, P M; Niver, R D
Visualization of dean vortices in a curved channel with 40 to 1 aspect ratio
Physics of Fluids, vol 31, no. 12, pp. 3605-3617, December, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS (cont'd)

Liu, K V; Yang, K T; Kelleher, M D
Three dimensional natural convection cooling of an array of heated protrusions in an enclosure filled with a dielectric liquid
Intl. Symposium on Cooling Technology for Electronic Equipment, Honolulu, HA, March, 1987.
IN Proc., ISCTEE, Univ. of Hawaii, (1987).

Marto, P J; Wanniarachchi,; McManus, S M
Heat transfer enhancement in R-114 water chillers
Heat Transfer in Air Conditioning and Refrigeration Equipment, ASME HTD-Vol. 65, pg. 11-19, 1986.

Marto, P J
An evaluation of film condensation of horizontal integral-fin tubes
Journal of Heat Transfer, Special Anniversary Issue, vol. 110, no. 5, pp. 1287-1305, November, 1988.

Marto, P J
Recent progress in enhancing film condensation heat transfer on horizontal tubes - keynote paper
8th Int. Heat Transfer Conf., San Francisco, CA, Aug. 17-22, 1986.
IN Heat Transfer 1986, Hemisphere, vol. 1, p. 161-170, (1986).

Marto, P J
Recent progress in enhansing film condensation heat transfer on horizontal tubes
Keynote Paper, 8th Int'l Heat Transfer Conference, August, 1986, (published in Heat Transfer Engineering, Vol. 7, Nos. 3-4, pg. 61-71, 1986).

Marto, P J; Cakan, O; Wanniarachchi; Rose, J W
Enhancement of stem condensation on a horizontal finned tube by using drainage strips
Proceedings of the 2nd U.K. National Heat Transfer Conference, Glasgow, Scotland, 1988.

Marto, P J; Holden, K N; Wanniarachchi,; Boone, D H; Rose, J W
The use of organic coating to promote dropwise condensation of steam
Journal of Heat Transfer, Vol. 109, pg. 768-774, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS (cont'd)

Marto, P J; Katsuta, M; Wanniarachchi,
Condensation heat transfer measurements in co-axial rotating heat pipes
Proceedings of the Sixth International Heat Pipe Conference, Vol. 2, pg. 539-544, Grenoble, France, May 1987.

Marto, P J; Looney, D J; Rose, J W; Wanniarachchi
Evaluation of organic coating for the promotion of dropwise condensation of steam
Int. J. of Heat and Mass Transfer, vol. 29, no. 8, p. 1109-1117, (Aug., 1986).

Marto, P J; Mitrou, E; Wanniarachchi; Rose, J W
Film condensation of steam on horizontal finned tubes: Effect of fin shape
8th Int. Heat Transfer Conf., San Francisco, CA, Aug. 17-22, 1986.
IN Heat Transfer 1986, Hemisphere, vol. 4, p. 1695-1700, (1986).

Marto, P J; Mitrou, E; Wanniarachchi.; Katsuta, M
Film condensation of steam on horizontal wire-wrapped tubes
Proceedings of ASME-JSME Thermal Engineering Joint Conference, Vol. 1, pg. 509-516, 1987.

Marto, P J; Mitrous, E; Wanniarachchi,
Horizontal finned tubes: Effect of fin shape
Heat Transfer- Vol. 4 Hemisphere Publishing Company, pg. 1695-1700, 1986.

Marto, P J; Wanniarachchi,
The influence of internal axial fins on condensation heat transfer in co-axial rotating heat pipes
Heat Transfer and Fluid Flow in Rotating Machinery, W.J. Yang (Ed), Hemisphere Publishing Corporation, Washington, D.C., pg. 235-244, 1987.

Marto, P J; Wanniarachchi,; Rose, J W
Film condensation of steam on horizontal finned tubes: Effect on fin spacing, thickness and height
Multiphase Flow and Heat Transfer, ASME HTD-Vol. 47, pg. 93-99, 1985.

Marto, P J; Wanniarachchi,; Sawyer, L M
Effects of oil on pool boiling performance of R-114 from enhanced surfaces
Proceedings of ASME-JSME Thermal Engineering Joint Conference, Vol. 1, pg. 531-538, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS (cont'd)

Marto, P J; Zebrowski, D; Wanniarachchi; Rose, J W
Film condensation of R-113 on horizontal finned tubes
ASME Proceedings of the 1988 National Heat Transfer Conference, vol. 2, pp. 583-592, 1988.

McNelley, 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).

McNelley, 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).

McNelley, T R; Lee, E W
Effect of TMP variables on superlasticity in Al-10Mg-0.5Mn
114th TMS-AIME Ann. Mtg., New York, N.Y., Feb. 24-28, 1985.
IN Preprint, (1985).

McNelley, T R; Lee, E W; Garg, A
Superplasticity in a thermomechanically processed high-Mg, Al-Mg-X alloy
Int. Conf. on Aluminum Alloys--Their Physical and Mechanical Properties, Univ. of Virginia, Charlottesville, VA, June 16-20, 1986.
IN Proc., Int. Conf. on Aluminum Alloys, Their Physical and Mechanical Properties, p. 1269-1284, (June, 1986).

McNelley, T R; Lee, E W; Mills, M E
Superplasticity in a thermomechanically processed, high-Mg, Al-Mg alloy
Metallurgical Trans. A, vol. 17A, p. 1035-1041, (June, 1986).

Nunn, R H
Vorticity growth and decay in the jet in cross flow
AIAA J., vol. 23, no. 3, p. 473-476, (Mar., 1985).

O'Hare, M S; Hess, L E; Kraus, A D
The effectiveness of heat exchanges with one shell pass and n-tube passes (n odd)
8th Int. Heat Transfer Conf., San Francisco, CA, 1986.
IN ASME Proc., 8th Int. Heat Transfer Conf.,p. 2691-2696, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS (cont'd)

Perkins, A J
The two-way shape memory effect
Int. Symp. on Shape Memory Alloys, Guilin, China, Sept. 6-9, 1986.
IN Proc., China Academic Pub., p. 201-206, (1986).

Perkins, A J
Tweed microstructures and the evolution of high damping in Cu-Mn-based alloys
Phase Transformations '87, Cambridge, MA, July 1987.
IN Proc., Phase Transformations '87, Institute of Metals, (1987).

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; Mayes, L L; Yamashita, T
Effects of aging on the morphology of flickering contrast in tweed microstructures of Cu-Mn-Based alloys
Scripta Metallurgica 22, pp. 1137-1142, 1988.

Perkins, A J; Mayes, L L; Yamashita, T
Flickering contrast in TEM images of tweed microstructures in an aged Cu-Mn-Al alloy
Scripta Metallurgica 22, pp. 887-892, 1988.

Perkins, A J; Mayes, L L; Yamashita, T; Wu, M H; Reskusich, J
Pre-Martensitic transition in aged Cu-Mn alloys
Proceedings of the MRS International Meeting on Advanced Materials, Tokyo, May 30 - June 3, 1988.

Salinas, D; Kodres, C
Modeling the aerothermal characteristics of jet engine test cells
Presented at the Second International PHONICS Wser Conference, Heathrow, England, 1988.

Sarpkaya, T
Past progress and outstanding problems in time-dependent flows around ocean structure
Norwegian Institute of Technology, Trondheim, Norway, pp. 1-36, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS (cont'd)

Sarpkaya, T
A critical assessment of the methods of analysis of offshore structures after ten years of basic and applied research
Proceedings of the International Symposium on Water Wave Research, University of Hannover, pp. 1-34, 1985.

Sarpkaya, T
Surfaces signatures of trailing vortices and large scale instabilities
Proceedings of the Colloquim on Vortex Breakdown, University of Aachen, pp. 145-187, February, 1985.

Sarpkaya, T
Force on a circular cylinder in viscous oscillatory flow at low Keulegan-Carpenter numbers
J. of Fluid Mechanics, vol. 165, p. 61-71, (Apr., 1986).

Sarpkaya, T
On fluid loading of offshore structures
Proc. of the Offshore Operations Symp., ASME, PD-vol. 1, p. 153-164, (Feb., 1986)

Sarpkaya, T
Oscillating flow over bluff bodies in a U-shaped water tunnel
AGARD-CP-413 (Aerodynamics and Related Hydrodynamic Studies.....), vol. 1, p. 6.1-6.15, (Oct. 1986).

Sarpkaya, T
Recent developments in separated time-dependent flows
Advancements in Aerodynamics, Fluid Mechanics and Hydraulics, (ASCE, vol. 1, p. 516-522,) (June, 1986).

Sarpkaya, T
Trailing vortex wakes on the free surface
16th Symp. on Naval Hydrodynamics, vol. 1, p. 1-12, (July, 1986)

Sarpkaya, T
Discussion of hydrodynamic loading of steel structures
Wave, Port, Coastal and Ocean Engineering J. of ASCE, vol. 113, no. 4, p. 429-430, (June, 1987).

Sarpkaya, T;
Oscillating flow about smooth and rough cylinders
J. of Offshore Mechanics and Arctic Engineering (ASME), vol. II, p. 113-121, (September, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS (cont'd)

Sarpkaya, T; Daly, J J
Effect of ambient turbulence on trailing vortices
J. of Aircraft, vol. 24, no. 6, p. 399-404, (June, 1987).

Sarpkaya, T; Elnitsky, J; Leeker, R E
Wake of a vortex pair on the free surface
Proceedings of the 17th Symposium on Naval Hydrodynamic, vol. 1, pp. 47-54, 1988.

Sarpkaya, T; Ihrig, C J
Impulsively started flow about rectangular prisms: Experiments and discrete vortex analysis
J. of Fluids Engineering, ASME, vol. 108, p. 47-54, (Mar., 1986).

Sarpkaya, T; Johnson, S K; Gray, W E; Daly, J J
Contributions to hydrodynamics: Vortex motion in homogeneous and stratified media
Naval research Reviews, (ONR), vol. 39, p. 3-8, (August, 1987).

Sarpkaya, T; Storm, M
In-land force on a cylinder translating in oscillatory flow
Applied Ocean Res., vol. 7, no. 4, p. 178-190, (Oct., 1985).

Shin, Y S; Kim, K S; Dew, D D
Strain dependent damping characteristics of a high damping manganese-copper alloy
ASME Biennial Conf. on Mechanical Vibration and Noise, Boston, MA, September, 1987.
IN ASME Publication DE-Vol. 5- The Role of Damping in Vibration and Noise Control, p. 229-237, (September, 1987).

Strandquist, J H; Shin, Y S
Investigation into the effects of using detonating cord to remove a conventional propeller from a water borne surface ship
The Shock and Vibration Bulletin, no. 56, pt. 1, p. 121-133, (Aug., 1986).

Wanniarachchi; Marto, P J; Reilly, J T
The effect of oil contamination on the nucleate pool boiling performance of R_114 from a porous-coated surface
ASHRAE 1986 Annual Mtg., Portland, OR, June 22-25, 1986.
IN Trans., ASHRAE, vol. 92, pt. 2, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS (cont'd)

Wanniarachchi; Marto, P J; Rose, J W
Film condensation of steam on horizontal finned tubes: Effect of fin spacing
J. of Heat Transfer, vol. 108, no. 4, p. 960-966, (Nov., 1986).

Welch, M S; Shin, Y S
Numerical analysis of the underwater shock-induced response of submarine installed equipment
The Shock and Vibration Bulletin, no. 55, suppl. 3, p. 1-12, (Mar., 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

TECHNICAL REPORTS AND NOTES

Akhtar, S; Kellogg, T F; Perkins, A J
Corrosion behavior of high damping alloys in 3.5% NaCL solution
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS69-87-009), September, 1987.

Batoz, J L; Cantin, G
Geometrically nonlinear analysis of shell structures using flat DKT shell elements
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS69-85-007), November, 1985.

Cantin, G; Wilson
A triangular thin shill element for the linear analysis of stiffened composite structures
Prepared for David Taylor Naval Ship R&D Center, Bethesda, MD, Naval Postgraduate School, (NPS-69-88-003), May 1988, 25 p.

Cantin, G; Wilson
A triangular thin shill element for the linear analysis of stiffened composite structures
David Taylor Naval Ship R&D Center, Bethesda, MD, (NPS-69-88-003), May 1988, 25 p.

Challenger, K
An assessment of welding research in Europe
Prepared for Office of Naval Res., (ONRL-R-3-86), 1986. 9 p.

Challenger, K
An assessment of welding research in Scandinavia
Prepared for Office of Naval Res., (ONRL-R-2-86), 1986. 6 p.

Challenger, K
Material science research in Europe
Prepared for Office of Naval Res., (ONRL-R-4-86), 1986. 11 p.

Cronauer, J T; Perkins, A J
Damping behavior of a Ti-Ni shape memory alloy: Comparison with cu-Mn-based and Fe-Cr-based high damping alloys
Sponsored by David Taylor Naval Ship Research & Development ctr, Annapolis, MD, Naval Postgraduate School, (NPS-69-87-006), June, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

TECHNICAL REPORTS AND NOTES (cont'd)

Escue, W D; Kellogg, T F; Perkins, A J
Corrosion behavior of high damping alloys in seawater
Sponsored by David Taylor Naval Ship Research and Development Center, Annapolis, MD, Naval Postgraduate School, (NPS-69-87-007), June, 1987.

Kelleher, M D; Raycraft, J; Yang, K T; Yang, H Q
Fire spread in a three-dimensional pressure vessel with radiation exchange and wall heat losses
Prepared for the Naval Postgraduate School, NPS69-88-008, 1988.

Leary, L W; Perkins, A J
Damping behavior of SONOSTON and INCRAMUTE: Degradation effects near room temperature
Sponsored by David Taylor Naval Ship Research and Development Ctr, Annapolis, MD, Naval Postgraduate School, (NPS-69-87-003), Dec., 1987.

Leitner, A
Thrust vector control, heat transfer modeling
Sponsored by Naval Weapons Center, China Lake, CA. Naval Postgraduate School, (NPS-69-86-005), July, 1986. 65 p.

Ligrani, P M; Westphal, R V; Lemos, F R
Development of subminiature multi-sensor hot-wire probes- Part 1: Horizontal wire and crossed wire results
Sponsored by National Aeronautics and Space Administration- Ames Research Center, Moffett Field, CA, 1987. 50 p.

Marto, P J
Steam condensation: Putting surface tension to work
Naval Research Reviews, Vol. XXXIX, pg. 44-50, 1987.

Marto, P J; Wanniarachchi
Enhanced boiling and condensation of R-114: Project report for the period 1 October 1987 - 30 September 1988
Prepared for the Naval Postgraduate School, Monterey, CA., NPS69-88-001, December, 1988

Marto, P J
Enhanced boiling and condensation of R-114
Prepared for David Taylor Research Center Annapolis, Maryland, Naval Postgraduate School, (NPS-69-88-013PR), December 1988

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

TECHNICAL REPORTS AND NOTES (cont'd)

Marto, P J; Wanniarachchi, A S
Enhanced boiling and condensation of R-114
Prepared for David Taylor Research Center Annapolis, Maryland, Naval Postgraduate School, (NPS-69-88-001PR), 13 p.

Marto, P J; Wanniarachchi, A S
Heat pipe cooling of large electric motors
David Taylor Research Center Annapolis, Maryland, December 1988, 64 p.

Marto, P J; Wanniarachchi, A S
Heat pipe cooling of large electric motors
Prepared for David Taylor Research Center Annapolis, Maryland, Naval Postgraduate School, (NPS-69-88-002), December 1988

Miller, R L; Smith, D L
Dynamic modelling of an electrohydraulic valve using frequency response data
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS 69-86-012PR), Dec., 1986. 16 p.

Newton, R E
Improvements to the Staniforth-Mitchell Barotropic Numerical Weather Prediction Code
Prepared for Naval Environmental Prediction Research Facility, Monterey, CA. Naval Postgraduate School, (NPS-69-86-008), Oct. 15, 1986.

Newton, R E; Schoenstadt, A L
Performance comparisons for two versions of the Staniforth-Mitchell barotropic numerical weather prediction code
Sponsored by the Naval Environmental Prediction Research Facility, Naval Postgraduate School, (NPS69-88-005), pg. 5, July 1988.

Nunn, R H
TVC get vane thermal modeling using parametric system identification
Prepared for Naval Postgraduate School, Monterey, CA. (NPS-69-88-001), March 1988, 60 p.

Nunn, R H; Kelleher, M D
Jet vane heat transfer modeling
Sponsored by Naval Weapons Center. Naval Postgraduate School, (NPS-69-86-010), Oct., 1986. 54 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

TECHNICAL REPORTS AND NOTES (cont'd)

O'toole, J F; Perkins, A J
Damping behavior of an Fe-Cr-Mo alloy: Strain dependence and heat treatment effects
Sponsored by David Taylor Naval Ship Research & Development Ctr., Annapolis, MD. Naval Postgraduate School, (NPS 69-87-002), Dec., 1986. 91 p.

Patch, G R; Perkins, A J
Development of a data acquisition and analysis system for high damping alloy evaluation
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS69-87-008), September, 1987.

Reskusich, J; Perkins, A J
Damping behavior of INCRAMUTE: Strain dependence and heat treatment effects
Sponsored by David Taylor Naval Ship Research & Development Ctr, Annanapolis, MD. Naval Postgraduate School, (NPS 69-87-001), September, 1986. 113 p.

Sarpkaya, T
In-line and transverse forces on smooth and rough cylinders in oscillatory flow at high Reynolds numbers
Sponsored by Nat. Sci. Foundation, Naval Postgraduate School, (NPS-69-86-003), July 4, 1986. 173 p.

Sarpkaya, T
Oscillating flow over bluff bodies in a u-shaped water tunnel
Reviewed and published by Advisory Group for Aerospace Research and Development, (AGARD-CPP-413), October, 1986. 15 p.

Sarpkaya, T; Butterworth, W H
Separation points on a cylinder in oscillating flow
Prepared for the Naval Postgraduate School, Monterey, CA., NPS88-69-01, 1988.

Sarpkaya, T; Daly, J J
Effects of ambient turbulence and stratification on the demise of trailing vortices
Sponsored by Defense Advanced Res. Projects Agency (DARPA). Naval Postgraduate School, (NPS-69-86-006), July, 1986. 147 p.

Sarpkaya, T; Janikowsky, L C
Optimized discrete-singularity representation of axisymmetric bodies
AIAA Paper no. 85-0284, January, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

TECHNICAL REPORTS AND NOTES (cont'd)

Sarpkaya, T; Mostafa,; Munz,
Unsteady flow about cambered plates
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS69-87-007), February, 1987.

Shin, Y S; Kim, K S
Progress report: Analytical and experimental investigations of the damping characteristics of bolted and welded structural connections
Sponsored by David W. Taylor Naval Ship Res. and development Center. Naval Postgraduate School, (NPS-69-86-11), Sept., 1986. 44 p.

Shin, Y S; Schulze, K
Investigation of damping characteristics of composite plate and small homogeneous specimens
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS69-85-001), March, 1985.

Smith, D L; Davitt
An evaluation of the potential for expert system application to marine gas turbine control
Prepared for Naval Sea Systems Command, Washington, DC, Naval Postgraduate School (NPS-69-88-006), 11 p.

Smith, D L; Stammetti, V A
Survey and Analysis of marine gas turbine control after 1975
Prepared for Naval Postgraduate School, Monterey, CA. (NPS-69-88-002), April 1988, 17 p.

Smith, D L; Everett, H R; Ingram, J D; McDonnel, J
Conceptual Design and Analysis of a novel actuator
Prepared for Naval Postgraduate School Monterey, CA (NPS-69-88-011), October 1988, 37 p.

Smith, D L; Harris, J; Lawrence, D
Preliminary studies for a drilling robot firefighter
Sponsored by: Naval Surface Weapons Center/White Oak, Silver Spring, MD, Naval Postgraduate School, (NPS 69-87-005TR), Sept., 1987. 150 p.

Smith, D L; Mellon, T I; Sawyer, L M; Yobs, R
A feasibility analysis of an autonomous underwater vehicle for mapping the Artic seabed
Naval Postgraduate School, (NPS-69-86-004), May, 1985. 46 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

TECHNICAL REPORTS AND NOTES (cont'd)

Smith, D L; Nunn, R H
The automatic control specialty in the Mechanical Engineering Department
Sponsored by Naval Sea Systems Command. Naval Postgraduate School, (NPS-69-85-006PR), Oct., 1985. 64 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.

DEPARTMENT
OF
METEOROLOGY

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS

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.

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.

Breaker, L C; Mueller, J L; Wash, C H
Satellite observed changes in sea surface temperature and ocean color resulting from wind forces over the California Current
AGU Ocean Sciences Mtg., New Orleans, LA, Jan. 13-17, 1986.

Chang, C P
Dynamics of winter monsoon cold surges.
Second WMO/MOSTE Proc. Regional Workshop on Asian Winter Monsoon, WMO Tropical Meteorology Research Programme Report, 30, 1-7. June 1988

Chang, C P
Interannual variations of tropical divergence at 200 mb during northern winter.
International Symposium on TOGA and Air-Sea Interaction over the Western Pacific, Beijing, People's Republic of China.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

Chang, C P
Meteorological Research in Mainland China.
Commemoration of the sixtieth anniversary of National Taiwan University, Taipei, Taiwan, September 1988.

Chang, C P
Winter monsoon cold surges.
World Meteorological Organization Regional Workshop on Winter Monsoons, Kuala Lumpur, Malaysia.

Chang, C P; Lim, H
Kelvin Wave CISK: A possible mechanism for the 30-50 day oscillation
Intl. Conference on Monsoon and Mesoscale Meteorology, Taipei, November, 1986.

Chang, C P; Lim, H
Kelvin Wave-CISK: A possible mechanism for the 30-50 day oscillations. J. Atmospheric Sci, 45 1709-1720. June 1988
Monsoon Meteorology, Oxford University Press, 161-202. December

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.

Chang, C P; Peng, M S; Boyle, J S
Interannual variations of tropical divergence at 200 mb during northern winter.
Proc. International Symposium on TOGA and Air Sea interaction over the Western Pacific. December 1988.

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
Air-sea interaction in ERS-1 pre-launch experiment
Nansen Center Seminar Series, Nansen Ocean and Remote Sensing Center, Bergen, Norway, Sep. 15, 1986

Davidson, K L
Atmospheric boundary layers in the marginal ice zone
Nansen Center Seminar Series, Nansen Ocean and Remote Sensing Center, Bergen, Norway, May 26, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

Davidson, K L
Mesoscale variation of surface wind stress associated with wind-wave coupling
ONR Workshop on Ocean Wave Dynamics, Woods Hole Oceanographic Institution, Woods Hole, MA, Aug. 5-7, 1986.

Davidson, K L
Meteorological studies in the summer and winter Marginal Ice Zone (MIZ)
Int. Conf. on Polar Lows, Oslo, Norway, May 20-23, 1986.

Davidson, K L
Parameterization of the MICRO-layer for wind stress
ONR Workshop on MICRO-layer Properties and Air-Sea Interaction, Boston, MA, Apr. 22-23, 1986.

Davidson, K L
Surface stress and ABL results in FASINEX
FASINEX Workshop, Woods Hole, MA, October, 1987.

Davidson, K L
Arctic meteorological scientific questions
University of Michigan, Ann Arbor, MI, Technical Conference on Meteorology and Oceanography, 21 May 88.

Davidson, K L
Atmospheric mixed layer features and fog forecasting
Johnson Space Flight Center, Houston, TA, NASA Flight Roles (shuttle) Working Group, Fog, 21-22 January 1988.

Davidson, K L
Meteorological instrumentation and measurements, MTS/IEEE/OES
Workshop on Instrumentation and Measurements in the Polar Regions, Monterey, CA 27-29 January 1988.

Davidson, K L; Borrmann, S; Vaucher, C A
Atmospheric boundary layer properties observed in FASINEX
AGU Fall Meeting, San Francisco, CA, December, 1986.

Davidson, K L; Boyle, J S; Mundy, J
FASINEX surface and atmospheric mixed layer properties
Frontal Air-Sea Interaction Experiment (FASINEX) Workshop, NPS, Monterey, CA, Sept., 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

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; Boyle, P J; Fellbaum, S R; Mundy, J
Atmospheric surface and mixed layer properties observed from ships in FASINEX
Seventh AMS Conference on Air-Sea Interaction, Anaheim, CA, 1-3 February 1988(1988).

Davidson, K L; Boyle, P J; Fellbaum, S R; Mundy, J
Atmospheric Surface and mixed layer properties observed from ships in FASINEX
Proceedings Seventh AMS Conference on Air-Sea Interaction, Anaheim, CA, 1-3 February 1988(1988)161-165.

Davidson, K L; Fairall, C W
Optical properties of the marine atmospheric boundary layer: Aerosol profiles
SPIE, Ocean Optics VIII, Orlando, FL, Mar. 31 - Apr. 1, 1986.

Davidson, K L; Fellbaum, S A; Skupniewicz, C E; Spiel, D E
Naval Postgraduate School (NPS) trubulent flux results from the RRS Frederick Russel.
Proceedings, NATO Advanced Workshop on Humidity Exchange Over the Sea, Dellenhoven, Epe, Netherlands, 25-29 April 1988 (December 1988)pp 129-135

Davidson, K L; Gautier, C; Katsaros, K
Radiation with respect to atmospheric boundary layer cloud conditions
AGU Ocean Sciences Mtg., New Orleans, LA, Jan 13-17, 1986.

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.

Davidson, K L; Guest, P S
Wind stress observations in the spring arctic marginal ice zone
AGU Ocean Sciences Meeting, New Orleans, LA, 18-22 January 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

Davidson, K L; Guest, P S; Vaucher, C A; Fellbaum, S R
A near surface wind maximum off the Southern California coast
Fourth AMS Conference on Meteorology and Oceanography of the Coastal Zone, Anaheim, CA, 1-3 February 1988(198).

Davidson, K L; Guest, P S; Vaucher, C A
Atmospheric Boundary Layer features observed in the spring marginal ice zone
Second AMS conference on Polar Meteorology and Oceanography, Madison, WI, 29-31 March 1988(1988).

Davidson, K L; Guest, P.S., Vaucher, C A; Fellbaum, S R
A near surface wind maximum off the Southern California Coast
Proceedings Fourth AMS Conference on Meteorology and Oceanography of the Coastal Zone, Anaheim, CA, 1-3 February 1988 (198) 21-23.

Davidson, K L; Hanson, H P; Gerber, H; Khalsa, S J S; Kloesel, K A; Schwiesow, R; Snider, B; Wielicki, B M and Wylie, D P
Fire aircraft/island/ship/satellite intercomparison: Preliminary Results for July 16, FSET Workshop, Vail, CO 6-8 July 1988 393-396.

Davidson, K L; Overland, J E
Boundary layer processes in the seasonal ice zone
Proceedings Second AMS Conference on Polar Meteorology and Oceanography, Madison, WI, 29-31 March 1988(1988)56.

Davidson, K L; Overland, J E
Boundary layer processes in the seasonal ice zone
Second AMS Conference on Polar Meteorology and Oceanography, Madison, WI, 29-31 March 1988(1988).

Davidson, K L; Schultz, R R; Fett, R W
Observations of a fram strait ice edge westward propagating wave
Proceedings Second AMS Conference on Polar Meteorology and Oceanography, Madison, WI, 29-31 March 1988(1988)15.

Davidson, K L; Shaw, W J; Large, W G
Wind stress results from multi-platfrom and multi-sensor measurement in FASINEX
Seventh AMS Conference on Air-Sea Interaction, Anaheim, CA 1-3 February 1988(1988).

Davidson, K L; Shaw, W J; Willis, Z; Groters, D
Horizontal variability of mean refractive structure in the Arctic.
Conf. on Microwave Prop. in the Marine Boundary Layer (Naval Env. Pred. Res. Fac.) Monterey, CA. September, 1988.

Davidson, K L; Vaucher, C A
Atmospheric boundary layer features observed in the spring marginal ice zone
Proceedings Second AMS Conference on Polar Meteorology and Oceanography, Madison, WI 29-31 March 1988(1988)73-74.

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
Aerosol characterization with dual-wavelength radiance measurements
2nd Conf. on Satellite Meteorology/Remote Sensing and Applications, Williamsburg, VA, May 13-16, 1986.

Durkee, P A
Continental aerosol effects on marine stratocumulus development
Clouds in Climate II: A WCRP Workshop, Columbia, MD, October, 1987.

Durkee, P A; Allen, R C; Wash, C H
1988: Snow and low-cloud discrimination from multispectral satellite mesurements
Presented at 3rd Conference on Satellite Meteorology and Oceanography, American Meteorological Society, Anaheim, CA., January 31 - February 5, 1988.

Durkee, P A; Gunning, M W; Boyle, J S
Computer-interactive laboratories for the atmospheric sciences
3rd Intl. Conf. on Interactive Information Processing Systems for Meteorology, Oceanography, and Hydrology, New Orleans, LA, Jan., 1987.

Durkee, P A; Haggerty, J A
A method for estimating meteorological range over ocean from satellites
8th Ann. EOSAEL/TWI Conf., Las Cruces, NM, December, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

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.

Durkee, P A
1988: Aerosol effects on marine stratocumulus development observed from multispectral satellite measurements.
Presented at the 12th International Conference on Atmospheric Aerosols and Nucleation, 22-27 August 1988, Vienna, Austria.

Durkee, P A; Kren, R; Smolinski, S
1988: Marine boundary layer depth and humidity estimation from satellite measured optical depth and total water content
Presented at 3rd Conference on Satellite Meteorology and Oceanography, American Meteorological Society, Anaheim, CA., January 31 - February 5, 1988.

Durkee, P A; Mineart, G M
Aerosol and cloud microphysical effects on marine stratocumulus reflectance from multispectral satellite measurements
Presented at International Radiation Symposium, Lille, France, August 18-24, 1988.

Durkee, P A; Pfeil, F R; Burks, D E
Toward and aerosol climatology of the Pacific from satellites.
IAMAP Sumposium on Aerosols and Climate, Vancouver, B.C., Canada, August, 1987.

Durkee, P A; Wash, C H; Tettelbach, F
Effect of pre cloud aerosol distribution on marine stratus
IAMAP Symposium, Vancouver, CA, August, 1987.

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
Some reflections on the present status of tropical cyclone track prediction
17th Technical Conf. on Hurricanes and Tropical Meteorology, Miami, FL, April, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

Elsberry, R L
The Navy (ONR) initiative on understanding tropical cyclone motion
41st Ann. Interdepartmental Hurrican Conf., Homestead Air Force Base, FL, January, 1987.

Elsberry, R L
Central weather bureau, Taiwan
The U.S. Navy Tropical Cyclone Motion Research Initiative, April 1988, 35.

Elsberry, R L
The U.S. Navy tropical cyclone motion research initiative
Naval Western Oceanography Center, Pearl Harbor, HI., September, 1988.

Elsberry, R L
Recent tropical cyclone research at the Naval Postgraduate School.
Preceedings, Environmental Group U.S. Pacific Command Tropical Cyclone Conference, Guam, 9-12 February 1988, 286-287.

Elsberry, R L; Abbey, R F Jr.
Tropical cyclone motion -- A basic research initiative.
International Conference on Tropical Meteorology, Brisbane, Australia, 4-8 July 1988.

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; Black, P G; Shay, L K
Airborne surveys of ocean current and temperature perturbations induced by hurricanes.
Advances in Underwater Technology, vol. 16, Ocean Science and Engineering, 51.

Elsberry, R L; Fiorino, M
The role of vortex structure in barotropic tropical cyclone motion
17th Technical Conf. on Hurricanes and Tropical Meteorology, Miami, FL, April, 1987.

Elsberry, R L; Fiorino, M
Role of vortex structure in tropical cyclone motion
International Conference on Tropical Meteorology, Brisbane, Australia, 4-8 July 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

Elsberry, R L; Kirchoffer, P J
Studies of explosive cyclogenesis over the ocean based on operationally analyzed fields
Weather and Forecasting, 3, 205-216, 1988.

Elsberry, R L; Meanor, D H; Peak, J E
Environmental vertical wind shear as a predictor of tropical cyclone track error
17th technical Conf. on Hurricanes and Tropical Meteorology, Miami, FL, April, 1987.

Elsberry, R L; Shay, L K; Black, P G
Near-inertial ocean current response to hurricane Josephine
American Geophysical Union Fall Meeting, San Francisco, CA, December, 1986.

Elsberry, R L; Shay, L K; Black, P G
Mesoscale ocean current response to hurricanes
17th Technical Conf. on Hurricanes and Tropical Meteorology, Miami, FL, April, 1987.

Elsberry, R L; Shay, L K; Black, P G
Vertical structure of the ocean current response to hurricane Norbert
American Geophysical Union, 1988 Spring Meeting, Baltimore, MD, Abstract in EOS, 69 p 385.

Elsberry, R L; Shay, L K; Chang, S W
Free-surface effects on the ocean current response to hurricanes, Part II: Comparison with observations
American Geophysical Union, 1988 Spring Meeting, Baltimore, MD, Abstract in EOS, 69, p. 381.

Fellbaum, S R; Davidson, K L; Boyle, P J; Shaw, W J
Marine atmospheric boundary layer response to sea surface temperature
AGU Ocean Sciences Mtg., New Orleans, LA, Jan. 13-17, 1986.

Fellbaum, S R; Davidson, K L; Boyle, P J; Shaw, W J
Marine atmospheric boundary layer response to sea surface temperature
AGU Ocean Sciences Mtg. (MILDEX), New Orleans, LA, Jan., 13-17, 1986.

Gallacher, P C; Garwood, P W
Wind direction and equilibrium mixed layer depth: General theory
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug., 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

Gallacher, P C; Garwood, R W
Wind direction and mixed layer depth: Mid-latitude simulations
Ocean Sciences Mtg., New Orleans, LA, Jan., 1986.

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.

Guest, P D; Davidson, K L
Factors affecting the atmospheric boundary layer over a summertime marginal ice zone-An observational study
IUGG General Assembly, Vancouver B.C., Canada, August, 1987.

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.

Hale, R A; Renard, R J
Statistical visibility forecasting at McMurdo/Williams Field, Antarctica using local/regional observations
2nd Int. Conf. on Southern Hemisphere Meteorology, Wellington, New Zealand, Dec. 1-5, 1986.

Hale, R A; Renard, R J
Review of Naval Postgraduate School Research on forecasting visibility for McMurdo & Williams Field, Antarctica
Antarctic Automatic Weather Station Conf., Monterey, CA, March, 1987.

Haney, R L
SST anomalies in the midlatitude North Pacific Ocean: A numerical hindcast
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug. 5-16, 1985.

Haney, R L
Coupled models of ENSO
WMO Symposium on Ocean Atmosphere Interaction Relevant to Long Range Forecasting, Toulouse, France, June, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

Haney, R L
Modeling CTZ jets and eddies, coastal transition zone (CTZ) program workshop, scripps Institution of Oceanography, LaJolla, California.

Haney, R L
Numerical ocean prediction in the california current Institute of Naval Oceanography Sponsored Colloquium on mesoscale ocean science and prediction, Otter Rock, Oregon, 27-30 July 1988.

Haney, R L
Surface boundary conditions for ocean circulation models.
Institute of Naval Oceanography Sponsored workshop on surface forcing of the ocean, Tulane University, New Orleans, 4-8 Jan 88.

Haney, R L; Batteen, M L; Tielking, T A; Renaud, P G
A numerical study of wind forcing of eddies and jets in the California Current System, J. Mar. Res. (Submitted November 1988).

Haney, R L; Haidvogel, D B
On the accuracy of the pressure gradient force in primitive equation ocean models using Sigma Coordinates, (manuscript in progress).

Haney, R L; Hale, R A
A multi-level primitive equation model for limited-area coastal ocean simulation and prediction, NPS Technical report (in progress).

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.

Liou, C -S
Toward improvement in predicting GALEIOP-2 and IOP-9 cases.
GALE/CASP Workshop, 3-7 October 1988 Montreal, Canada (200).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

Liou, C -S; Elsberry, R L
Physical processes in prediction of explosive maritime cyclogenesis
7th Conf. on Numerical Weather Prediction, Montreal, Canada, June, 1985.

Liou, C S; Elsberry, R L; Hodur, R M
Impact of cumulus convection on meso-alpha scale prediction
WMO Conf. on Numerical Weather Prediction, Tokyo, Japan, Aug., 1986.

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.

Neta, B; Williams, R T
Finite elements versus finite differences for fluid flow problems
Numeta 87, Swansea, United Kingdom, July, 1987.

Nuss, W
Air-sea interaction influences on marine cyclones
AMS Annual Meeting/Air-Sea Interaction Conference, Anaheim, CA., January, 1988.

Nuss, W
Cyclone development and modeling in GALEIOP-9
Cyclone Workshop, Drexel University, Philadelphia, Pennsylvania, October, 1988.

Nuss, W; Wash, C H
GALE IOP-9: Upper-level forcing and air-sea interaction
Sixth Extratropical Cyclone and GALE Project Workshop, Pacific Grove, CA, February, 1987.

Overland, J E; Davidson, K L
MIZEX meteorology: Winter and spring
IUGG General Assembly, Vancouver, B.C., Canada, August, 1987.

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
Dynamics of the vortex structure on the beta-plane
ONR Workshop on Tropical Cyclone Motion, Rainbow Beach Australia, June 28-31, 1988.

Peng, M S
Theory of tropical cyclone motion
ONR Workshop on Tropical Cyclone Motion, Monterey, CA., Janurary 27-29, 1988.

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
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
Effects of topography on fronts in a vertically sheared flow
Annual Meeting of the Pacific Division of the American Association for the Advancement of Science, Corvallis, OR., June 18-22, 1988.

Renard, R J
The Naval Postgraduate School Antarctic weather data/analysis archive
Workshop on US-Antarctic Meteorological Data Delivery Systems, Boulder, CO, Sept., 1987.

Rennick, M A; Haney, R L
A model of oceanic response tc anomalous wind forcing in the Equatorial Pacific
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug. 5-17, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

Rennick, M A; Williams, R T
Lee Cyclogenesis in a Baroclinic Current
Fourth Conf. on Mountain Meteorology of the American Meteorological Society, Seattle, WA, August, 1987.

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.

Shaw, W J
Position corrections for the NCAR Electra during FASINEX
Second Airborne Science Workshop, Miami, FL, February, 1987.

Shaw, W J; Davidson, K L; Large, W G
1988b: Wind stress results form multi-platform and multi-sensor measurments in FASINEX
Seventh AMS Conference on Air-Sea interaction, Anaheim, CA, 1-3 February 1988.

Shaw, W J; Davidson, K L; Willis, Z; Groters, D
Horizontal variability of mean refractive structure in the arctic
Proceedings Conference on Microwave propagation in the Marine Boundary layer (NEPRF), Monterey, CA September, 1988.

Shaw, W J; Davidson, K L; Willis, Z; Groters, D
Horizontal variability of mean refractive structure in the arctic.
Conference on Microwave Propagation in the Marine Boundary Layer (Naval Env. Pred. Res. Fac.) Monterey, CA. September, 1988.

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.

Shaw, W J; Vaucher, G T
Atmospheric surface layer balances in the presence of a subtropical ocean front
Seventh Conference on Ocean-Atmos. Int. (Am. Meteor. Soc.), Anaheim, California, February, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

Shay, L K; Elsberry, R L
Effect of an initial current regime on the ocean response to hurricanes
6th Annual Gulf of Mexico Information Transfer Mtg., New Orleans, LA, October, 1985.

Shay, L K; Elsberry, R L
Simulations of ocean response to hurricanes in a region of initial currents
AGU Fall Mtg., San Francisco, CA, Dec., 1985.

Wash, C H
Cyclone development from a storm-following perspective
National Center Form at Atmospheric Research, Boulder, CO., July 20, 1988.

Wash, C H
Mini-computer automatic cloud and precipitation analysis
NEPRFTESS Software Design Review, Naval Environmental Prediction Research Facility, Monterey, CA., November 9, 1988.

Wash, C H
Teaching synoptic meteorology using the NPS IDEA laboratory
NCAR Summer Workship, National Center for Atmospheric Research, Boulder, CO29, July, 1988.

Wash, C H; Boyle, J S; Curtis, J
Investigation of high and low predictability periods in medium-range forecasts
WMO/IUGG Int. Symp. on Short and Medium-range Numerical Weather Prediction, Tokyo, Japan, Aug. 4-8, 1986.

Wash, C H; Huffman, G; Gall, R
Results of the synoptic meteorology instruction workshop, Boulder, CO, 25-29 July 1988.

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.

Williams, R T
Lectures in advanced numerical methods in numerical weather prediction.
Monterey Atmospheric Sciences Laboratory, International, April, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

Williams, R T
Studies of topographic effects on fronts at the Naval Postgraduate School.
Joint NSF-NSC workshop on Taiwan Area Mesoscale Experiment, 10 February 1988, NCAR, Boulder, CO.

Williams, R T
Theory of tropical cyclone motion.
ONR Workshop on Tropical Cyclone Motion, 27-29 January 1988, NPS Monterey, CA.

Williams, R T; Gall, R L; Clark, T L
Gravity waves generated during frontogenesis.
Journal of the Atmospheric Sciences, 45, 2204-2219, 1 August 1988.

Williams, R T; Peng, M S
Effects of topography on fronts in a vertically sheared flow. Annual meeting of the pacific division of the American Association for thAdvancement of Science, 18-22 June 1988, Corvallis, OR.

Williams, R T; Peng, M S; Chan, C -L
Study of the beta-effect in tropical cyclone motion.
International Conference on Tropical Meteorology, 4-8 July 1988, Brisbane, Australia.

Williams, R T; Peng, M S; Zankofsky, D A
Breakdown of semi-geostrophic flow over a two-dimensional mountain
Fourth Conf. on Mountain Meteorology of the American Meteorological Society, Seattle, WA, August, 1987.

Williams, R T; Peng, M S; Zankofsky, D A
Interaction of fronts with surface topography
Sixth Extratropical Cyclone Workshop, Pacific Grove, CA, February, 1987.

Williams, R T; Peng, M S; Zankofsky, D A
Interaction of fronts with topography
IUGG General Assembly, Vancouver, British Columbia, August, 1987.

Williams, R T; Rennick, M A
Lee cyclogenesis in a Baroclinic Current
Sixth Extratropical Cyclone Workshop, Pacific Grove, CA, February, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

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.

Zankovsky, D A; Williams, R T; Peng, M S
Interactions of fronts with topography
WMO/IUGG Int. Symp. on Short and Medium Range Numerical Weather Prediction, Tokyo, Japan, Aug. 4-8, 1986.

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.

Davidson, K L; Fairall, C W
Optical properties of the marine atmospheric boundary layer
IN H. J. Caulfield, ed.: Ocean Optics VIII, Bellingham, WA, SPIE, 1986, p. 18-24.

Fairall, C W; Davidson, K L
Dynamics and modeling of aerosol in the marine atmospheric boundary layer
IN E.C. Monahan and G. MacNiociall, eds.: Oceanic whitecaps and their role in air-sea exchange processes, Dordrecht, Netherlands, D. Reidel, 1986, p. 195-208.

Johannessen, O M; Johannessen, J A; Sandven, S; Davidson, K L
Results of the Marginal Ice Zone Experiment (MIZEX) summer operations
IN B. H. Hardle, ed.: Environment of the Nordic Seas, New York, NY, Springer-Verlag, 1986, p. 665-679.

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

CONTRIBUTIONS TO BOOKS (cont'd)

Lim, H; Chang, C P
On the dynamics of midlatitude-tropical interactions
IN C. Chang and T. Krishnamuriti, eds.: Monsoon meteorology Oxford monographs on geology and geophysics no.7, New York, NY, Oxford Univ. Press, 1987, p. 405-434.

Monahan, E C; Spiel, D E; Davidson, K L
Model of marine aerosol generation via whitecap and wave disruption
IN E. C. Monahan and G. MacNiociall, eds.: Oceanic whitecaps and their role in air-sea exchange processes, Dordrecht, Netherlands, D. Reidel, 1986, p. 167-174.

Neta, B; Williams, R T; Hinsman, D E
Studies in a shallow water model with topography
IN Numerical Mathematics and Applications, Elsevier Science Publishers, 1986, p. 347-354.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

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
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).

Borrmann, S; Davidson, K L; Miller, M E
Surface of aerosol size distributions in the Marginal Ice Zone during the 1983 Marginal Ice Zone experiment
J. of Geophysical Research, vol. 92, p. 6971-6976, (June, 1987).

Boyle, P J; Davidson, K L; Spiel, D E
Characteristics of overwater surface during STREX
Dynamics of Atmospheres and Oceans, vol. 4, p. 343-358, (1987).

Breaker, L C; Mueller, J L; Wash, C H
Satellite observed changes in sea surface temperature and ocean color resulting from wind forces over the California Current
AGU Ocean Sciences Mtg., New Orleans, LA, Jan. 13-17, 1986.
IN EOS Trans., AGU, vol. 66, no. 51, p. 1258, (Dec. 17, 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS (cont'd)

Campbell, W J; Gloersen, P; Josberger, E G; Johannenssen, O M; Guest, P S; Lannelongue, N; Davidson, K L
Mesoscale and large-scale sea ice morphology in MIZEX-84
J. of Geophysical Research, vol. 92, p. 6805-6824, (June, 1987).

Chan, J C; Williams, R T
Analytical and numerical studies of the beta-effect in tropical cyclone motion
J. of the Atmospheric Sciences, vol. 44, no. 9, p. 1257-1265, (May, 1987).

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.
IN GARP Special Report No. 44, WMO, p. 37-52, (1985).

Chang, C P; Lim, H
Kelvin Wave CISK: A possible mechanism for the 30-50 day oscillation
Intl. Conference on Monsoon and Mesoscale Meteorology, Taipei, November, 1986.
IN Proc., Meteorological Soc. of Republic of China, p. 236-245, (1986).

Chang, C P; Lim, H
Kelvin wave-CISK: A possible mechanism for the 30-50 day oscillations
J. Atmospheric Science, 45, pp. 1709-1720, June, 1988.

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).

Chen, G T; Gerish, T E; Chang, C P
Structure variations of the synoptic scale cyclonic disturbances near Borneo during the WMONEX period
Papers in Meteorological Research, vol. 19, no. 2, p. 117-135, (December, 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS (cont'd)

Chen, G T J; Wang, Y J; Chang, C P
Evaluation of the surface prognoses of cyclones and anticyclones of the JMA and FNOC models over East Asia and the western Pacific during the 1983 Mei-Yu season
Mon. Weather Rev., vol. 114, no. 12, Dec., 1986.

Chen, G T J; Wang, Y T; Chang, C -P
Evaluation of the surface prognoses of cyclones and anticyclones of the JMS and FNOC models over East Asia and the Western Pacific during the 1983 Mei-Yu season
Monthly Weather Review, vol. 15, no. 1, p. 235-250, (January, 1987).

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).

Davidson, K L; Fairall, C W
Optical properties of the marine atmospheric boundary layer: Aerosol profiles
SPIE, Ocean Optics VIII, Orlando, FL, Mar. 31 - Apr. 1, 1986.
IN Proc., SPIE, vol. 637, (1986).

Davidson, K L; Gautier, C; Katsaros, K
Radiation with respect to atmospheric boundary layer cloud conditions
AGU Ocean Sciences Mtg., New Orleans, LA, Jan 13-17, 1986.
IN EOS Trans., AGU, vol. 66, no. 51, (Dec. 17, 1985).

Davidson, K L; Geernaert, G L; Larsen, S E; Mikkelsen, T
1988: Wind stress measurements during the tower ocean wave and radar dependence experiment
Journal of Geophysical Research, 93, pp. 13912-13924, 1988.

Davidson, K L; Guest, P S
NPS Meteorology Studies of the Marginal Ice Zone
Naval Research Reviews, vol. 39, p. 28-35, (1987).

Davidson, K L; Shaw, W J; Large, W G
Wind stress results from multi-platform and multi-sensor measurement in FASINEX
Proceedings Seventh AMS Conference on Air-Sea Interaction, Anaheim, CA, pp. 132-136, February 1-3, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS (cont'd)

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).

Durkee, P A
Aerosol characterization with dual-wavelength radiance measurements
2nd Conf. on Satellite Meteorology/Remote Sensing and Applications, Williamsburg, VA, May 13-16, 1986.
IN Proc., Am. Meteorological Soc., (1986).

Durkee, P A; Jensen, D R; Hindman, E E; Vonder Haar, T H
The relationship between marine aerosol particles and satellite-detected radiance
J. of Geophys. Res., vol. 91, p. 4063-4072, (Mar., 1986).

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
Update on the Navy (ONR) tropical cyclone motion initiative.
42nd Interdepartmental Hurricane Conference, Homestead AFB, FL, pp. A-23, January 12-15, 1988.

Elsberry, R L; Black, P G; Shay, L K; Patridge, R; Hawkins, J
Hurricane Josephine Surface winds and ocean response determined from air-deployed drifting buoys and concurrent research aircraft data
J. of Atmos. and Oceanogr. Tech., to appear in October issue (1988).

Elsberry, R L; Chan, J C; Williams, B J
Performance of the nested tropical cyclone model as a function of five storm-related parameters
Monthly Weather Review, vol. 115, no. 7, p. 1238-1252, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS (cont'd)

Elsberry, R L; Curry, W T; Chan, J C
An objective technique for estimating tropical cyclone warning positions
Monthly Weather Review, vol. 115, no. 6, p. 1073-1082, (1987).

Elsberry, R L; Liou, C S; Hodur, R M
Impact of parameterized cumulus convection on meso-alpha scale cyclone preduction
J. of the Meteorological Soc. of Japan, Short and Medium-range Numerical Weather Prediction, special volume, p. 595-604, (1987).

Elsberry, R L; Peak, J E
An evaluation of tropical cyclone forecast aids based on cross-track and along-track components
Mon. Weather Rev., vol. 114, no. 1, p. 147-155, (Jan., 1986).

Elsberry, R L; Peak, J E
Selection of optimal tropical cyclone motion guidance using an objective classification tree methodology
Monthly Weather Review, vol. 115, no. 9, p. 1851-1863, (1987).

Elsberry, R L; Peak, J E; Wilson, W E; Chan, J C
Forecasting tropical cyclone motion using empirical orthogonal function representations of the environmental wind fields
Monthly Weather Review, vol. 114, no. 12, p. 2466-2477, (1986).

Elsberry, R L; Peak, J E
Forecasting tropical cyclone motion using empirical orthogonal function representations of the environmental wind fields
Monthly Weather Review, vol. 114, no. 12, p. 2466-2477, (1986).

Elsberry, R L; Schott, R B; Chan, J C
Further applications of empirical orthogonal functions of wind fiends for tropical cyclone motion studies
Monthly Weather Review, vol. 115, no. 7, p. 1225-1237, (1987).

Elsberry, R L; Shay, L K
Near-inertial ocean current response to hurricane Frederic
J. of Physical Oceanography, vol. 17, p. 1249-1269, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS (cont'd)

Elsberry, R L; Weniger, E L; Meanor, D H
A statistical tropical cyclone intensty forecast technique incorporating environmental wind and vertical wind shear information
Monthly Weather Review, 116, pp. 2142-2154, 1988.

Fellbaum, S R; Davidson, K L; Boyle, P J; Shaw, W J
Marine atmospheric boundary layer response to sea surface temperature
AGU Ocean Sciences Mtg., New Orleans, LA, Jan. 13-17, 1986.
IN EOS Trans., AGU, vol. 66, no. 51, (Dec. 17, 1985).

Gall, R L; Williams, R T; Clark, T L
On the minimum scale of surface fronts
J. of the Atmospheric Sciences, vol. 44, no. 18, p. 2562-2574, (September, 1987).

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).

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; Gallacher, P C; Muller, P
Reply to comments on wind direction and equilibrium mixed layer depth
J. of Physical Oceanography, vol. 16, p. 171-172, (January, 1987).

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
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug., 1985.
IN Proc., IUGG, p. 122, (Aug., 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS (cont'd)

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).

Guest, P S; Davidson, K L
The effect of observed ice conditions on the drag coefficient in the summer East Greenland Sea marginal ice zone
J. of Geophysical Research, vol. 92, p. 6943-6954, (June, 1987).

Hale, R A; Renard, R J
Statistical visibility forecasting at McMurdo/Williams Field, Antarctica using local/regional observations
2nd Int. Conf. on Southern Hemisphere Meteorology, Wellington, New Zealand, Dec. 1-5, 1986.
IN Proc., Am. Meteorological Soc., (1986).

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
Some SST anomalies I have known, thanks to Jerome Namias
Namias Symp., Scripps Inst. of Oceanography, La Jolla, CA, Oct. 22, 1985.
IN Namias Symp., p. 148-159, (Aug., 1986).

Haney, R L
Contributions of tropical winds to subseasonal fluctuations in global angular momentum and length of day.
American Geophysical Union Fall Meeting, San Francisco, CA 5-9 Dec, 1988.

Haney, R L
Modeling CTZ jets and eddies
American Geophysical Union Fall Meeting, San Francisco, CA, 5-9 Dec 1988.

Haney, R L; Benedict, W L
Contribution of tropical winds to subseasonal fluctuations in atmospheric angular mementum and length of day
J. Geophys. Res., 93(D12), 15,973-15,978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS (cont'd)

Haney, R L; Rennick, M A
Comments on slowly propagating disturbances in a coupled ocean-atmospheric model
J. Atmos. Sciences, vol. 43, no. 7, (Apr., 1986).

Hayes, J L; Williams, R T; Rennick, M A
Lee cyclogenesis. Part 1. Analytic studies
J. of the Atmospheric Sciences, vol. 44, no. 2, p. 432-442, (January, 1987).

Hindman, E E; Durkee, P A; Kuenning, W
Properties of aerosol particles detected by satellites in coastal regions
J. de Recherches Atmospheriques, vol. 19, p. 315-322, (1985).

Johannessen, J A; Jahannessen, O M; Svendsen, E; Shuchman, R; Manley, T; Campbell, W; Davidson, K L; others
Mesoscale eddies in the Fram Strait marginal ice zone during MIZEX 1983 and 1984
J. of Geophysical Research, vol. 92, p. 6754-6772, (June, 1987).

Lim, H; Chang, C P
Generation of internal- and external-mode motions from internal heating: Effects of vertical shear and damping
J. of Atmos. Sci., vol. 43, no. 9, p. 948-957, (1986).

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).

Mettlach, T R; Haney, R L; Garwood, R W; Ghan, S J
The response of the upper ocean to a large summertime injection of smoke in the atmosphere
J. of Geophysical Research, vol. 92, no. C2, p. 1967-1974, (February, 1987).

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).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS (cont'd)

Neta, B; Williams, R T
Stability and phase speed for various finite element formulations of the advection equation
Computers and Fluids, vol. 14, no. 4, p. 393-410, (1986).

Neta, B; Williams, R T
Finite elements versus finite differences for fluid flow problems
NUMETA 87, Swansea, United Kingdom, July, 1987.
IN Transient/Dynamic Analysis and Constitutive Laws for Engineering Materials, vol. 2, p. T11/1-8, (1987).

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; Elsberry, R L
Prediction of tropical cyclone turning and acceleration using empirical orthogonal function representations
Mon. Weather Rev., vol. 114, no. 1, p. 156-164, (Jan., 1986).

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).

Peng, M S; Williams, R T
Spatial instability of the Barotropic Jet with slow streamwise variation
J. of the Atmospheric Sciences, vol. 43, no. 21, p. 2430-2442, (Nov., 1986).

Peng, M S; Williams, R T
On the transformation between temporal and spatial growth rates
J. of the Atmospheric Sciences, vol. 44, no. 18, p. 2668-2673, (September, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS (cont'd)

Peng, M S; Williams, R T
Spatial instability of a Baroclinic Current with slow streamwise variation
J. of the Atmospheric Sciences, vol. 44, no. 13, p. 1681-1695, (July, 1987).

Rennick, M A; Haney, R L
Stable and unstable air sea interacton in the equatorial region
J. of the Atmospheric Sciences, vol. 43, no. 23, p. 2937-2943, (December, 1986).

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).

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).

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; Davidson, K L; Large, W G
1988b: Wind stress results from multi-platform and multi-sensor measurements in FASINEX
Proceedings Seventh AMS Conference on Air-Sea interaction, (Feb 1988) pp 132-136.

Shaw, W J; Fagan, M
Observations of the land/sea breeze circulation in central California: Preliminary results from LASBEX
Am. Geophys. Union Fall Meeting, San Francisco, December, 1988.

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).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS (cont'd)

Shay, L K; Elsberry, R L
Simulations of ocean response to hurricanes in a region of initial currents
AGU Fall Mtg., San Francisco, CA, Dec., 1985.
IN EOS, vol. 66, no. 46, Nov. 12, 1985, p. 937.

Sinclair, M R; Elsberry, R L
A Diagnostic study of baroclinic disturbances in polar air streams
Mon. Weather Rev., vol. 114, no. 11, p. 1957-1983, (Nov., 1986).

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).

Wash, C H; Curtis, J; Boyle, J
Variability in skill in 120 h FNOC 500 mb height forecasts
Monthly Weather Review, vol. 116, pp. 1381-1288, June, 1988.

Wash, C H; Peak, J; Calland, W; Cook, W
Diagnostic study of explosive cyclogenesis during FGGE.
Monthly Weather Review, 116, 2, February 1988, 431-451.

Wash, C H; Spray, L
Weather analysis programs using hand calculator
Nat. Weather Digest, vol. 10, no. 4, (Nov., 1985).

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).

Zankofsky, D A; Williams, R T; Peng, M S
Interaction of fronts with topography
AGU, Fall Mtg., San Francisco, CA, Dec. 8-13, 1985.
IN Trans., AGU, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS (cont'd)

Zankofsky, D A; Williams, R T; Peng, M S
Interactions of fronts with topography
WMO/IUGG Int. Symp. on Short and Medium Range Numerical Weather Prediction, Tokyo, Japan, Aug. 4-8, 1986.
IN Proc., WMO, p. 511-514, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES

Boyle, J S; Chang, C P
Monthly and seasonal winter climatology over the global tropics and subtropics for the decade 1973-1983: Vol. 3: Surface winds
Sponsored by NOAA, Washington, DC. Naval Postgraduate School, (NPS-63-86-002), May, 1986. 141 p.

Boyle, J S; Chang, C P
Monthly and seasonal winter climatology over the global tropics and subtropics for the decade 1973-1983: Vol. 4: 700 mb winds
Sponsored by NOAA, Washington, DC. Naval Postgraduate School, (NPS-63-86-003), 1986. 140 p.

Boyle, J S; Chang, C P
Northern winter circulations
National Oceanic and Atmospheric Administrative, (NPS-63-87-005), 86 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; Williams, R T
Final technical report of grant ATM 83-15175 Tropical and monsoonal studies
Prepared for the National Science Foundation, Washington, DC. Naval Postgraduate School, (NPS-63-88-001), November 1987, 169 p.

Davidson, K L; Fellbaum, S R
1988: Frontal air-sea interaction experiment (FAXINEX) Shipboard meteorology data and weather atlas
Naval Postgraduate School, Monterey, CA (NPS-63-88-002), January 1988, 98 p.

Davidson, K L; Guest, P S
1988: MIZEX 87 Meteorology atlas
Naval Postgraduate School, Monterey, CA (NPS-63-88-004), February 1988, 137 p.

Elsberry, R L
ONR tropical cyclone motion research initiative mid year review, discussion and working group reports
Chief of Naval Research (Code 1122MM), Arlington, VA, (NPS-63-88-005), 101 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

Elsberry, R L
Some issues related to the theory of tropical cyclone motion
Sponsored by Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-63-86-005), Sept., 1986. 24 p.

Elsberry, R L
Interim review of the possibilities and opportunities for the office of Naval Research Tropical Cyclone Research Initiative
Sponsored by: Office of Naval Research, Marine Meteorology Program, Arlington, VA, Naval Postgraduate School, (NPS 63-87-007), Sept., 1987. 31 p.

Elsberry, R L
Potential observing systems for tropical cycle motion studies
Sponsored by: Office of Naval Research, Marine Meteorology Program, Arlington, VA, Naval Postgraduate School, (NPS 63-87-003), May 1987. 47 p.

Elsberry, R L
ONR tropical cyclone motion research initiative first year review, discussion and tentative hypothesis
Chief of Naval Research (Code 1122 MM), (NPS-63-88-003), April 1988, 86 p.

Elsberry, R L
ONR tropical cyclone motion research initiative: mid year review, discussion and working group reports
Prepared for Chief of Naval Research (Code 1122MM), Arlington, VA. Naval Postgraduate School, (NPS-63-88-005), 103 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; 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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

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; 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.

Fellbaum, S R; Davidson, K L; Boyle, P A; Geernaert, G L; Guest, P S; Skeupniewicz, C
Mixed layer dynamics experiment meteorology data report
Sponsored by Office of Naval Research, Washington, DC. Naval Postgraduate School, (NPS-63-87-002), March, 1987. 142 p.

Geernaert, G L; Byars, B J; Davidson, K L; Larsen, S E; Mikkelsen, T
Meteorology results from the Tower Ocean Wave and Radar Dependence Experiment
Sponsored by Office of Naval Research, Washington, DC. Naval Postgraduate School, (NPS-63-87-001), March, 1987. 117 p.

Haney, R L; Rennick
Solutions to the shallow water equations in an ocean basin forced by unsteady winds
National Science Foundation, Washington, (NPS-63-88-006), October 1988, 31 p.

Haney, R L; Rennick, M A
Solutions to the shallow water equations in an ocean basin forced by unsteady winds
Prepared for National Science Foundation, Washington, DC. Naval Postgraduate School, (NPS-63-88-006), October 1988, 31 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

Schacher, G E; Larsen, S; Mikkelsen, T
Diffusion estimates handbook (Application to the space shuttle HCR exhaust cloud)
Air Force Space Div. Naval Postgraduate School, (NPS-61-86-009), Feb., 1986.

Shaw, W J; Borrmann, S; Fellbaum, C; Skupniewicz, C E; Vaucher, C A; Vaucher, G T
Sodar, rawinsonde, and surface layer measurements at a coastal site: SCCCAMP data report, part 2
Sponsored by Western Oil and Gas Association. Naval Postgraduate School, (NPS-63-86-001), Apr., 1986. 102 p.

Shaw, W J; Vaucher,
Correction of the wind field measured by the NCAR electra during FASINEX for inertial navigation system drifts
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS63-87-008), 1987. p. 43.

Skupniewicz, C E; Borrmann, S; Fellbaum, C; Shaw, W J; Vaucher, C A; Vaucher, G T
Shipboard observations of mean and turbulent atmospheric surface layer quantities: SCCCAMP data report, part 1
Sponsored by Western Oil and Gas Association. Naval Postgraduate School, (NPS-61-86-012), May, 1986. 64 p.

Wash, C H
Single-station forecasting with interactive computer systems
Sponsored by Naval Environmental Prediction Research Facility, Monterey, CA, Naval Postgraduate School, (NPS-63-87-004), 1987. 32 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.

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.

DEPARTMENT
OF
NATIONAL SECURITY AFFAIRS

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONFERENCE PRESENTATIONS

Abenheim, D
Aspects of West German defense in the early 1950s
Konrad Adenauer Reconsidered, Stanford Univ., CA, Sept. 1987.

Abenheim, D
Citizen in uniform: Reform and its critics in the Bundeswehr
Bundeswehr and the Future of Western Defense, Washington, DC, 15 Sept., 1987.

Breemer, J
The future of U.S. Naval Power.
Conference of the American Political Science Association (APSA). Washington, DC, August 1988.

Bruneau, T C
Church and social movements in Latin America
Graduate Student Association of Latin American Studies, UCLA, April, 1988.

Bruneau, T C
Brazil's research
Institute of Historical Study and the Hoover Institution, Stanford University, October, 1988.

Bruneau, T C
The constituent assembly and democratic transition in Brazil
Internationalization of Political Democracy, University of Montreal, September, 1988.

Bruneau, T C; Hewitt, T
Church influence in Brazil's political transition
Latin American Studies Association Congress, New Orleans, March, 1988.

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.

Buchanan, P G
Transitions to democracy: Argentina and Brazil
Authoritarian regimes in transition: Argentina and Brazil, Washington, DC, Dec. 1985.

Buchanan, P G
Labor Administration and democracy in Argentina
Latin American studies Asso. Annual Mtg., Boston, MA, Oct., 1986.

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.

Herbig, K L
American strategic deception in the Pacific: The case of Bluebird
Authoritarian Regime In Transition: Argentina and Brazil, Washington, DC, Dec., 1985.

Herbig, K L
American Strategic Deception in the Pacific: The biginnings in case Wedlock
Conf. on Intelligence and Deception, U.S. Army War College, Carlisle, PA, Apr., 1986.

Jencks, H W
The current state of Chinese military studies.
Colloquium of Center for Chinese Studies, Univ. of California, Berkeley, CA, Feb. 7, 1986.

Jencks, H W
China's military policies and their implications for Southeast Asia
US-ASEAN Conf. on ASEAN and China, Kuala Lumpur, Malaysia, 5-8 Jan., 1987.

Jencks, H W
Civil-military relations in communist Asia
American Poli. Sci. Assoc., Chicago, IL, Sept. 1987.

Jencks, H W
The party, the gun, and the great leader: Civil-military relations in North Korea
Conf. on Asian Communist Societies, Bodega Bay, CA, 6-9 July, 1987.

Kartchner, K M
Military space policy
Military Studies Annual Conference, Atlanta, Georgia, September 24-27, 1988.

Kartchner, K M
Nuclear crisis management project briefing
CNO Strategic Think Tank, Naval Postgraduate School, April 11, 1988.

Kartchner, K M
Strategy, vulnerability and arms control
International Studies Association Annual Conference, Washington, DC., July 25, 1988.

Kartchner, K M
Soviet attitudes toward strategic arms reductions
International Studies Association, West Annual Conference, 1988.

Kartchner, K M
Soviet strategic deception and the INF treaty
National Photographic Interpretation Center's Camouflage, Concealment, and Deception Technical Review group, Monterey, CA., February 29, 1988.

Kartchner, K M
Strategic nuclear reserve force project
CNO Strategic Think Tank, Naval Postgraduate School, August 11, 1988.

Laurance, E J
Events data and policy analysis
International Studies Association Annual Meeting. St. Louis, March 29, 1988.

Laurance, E J
Reducing the unilateral consequences of arms transfers through unilateral arms control.
American Academy of Arts and Sciences. Boston. October 1988.

Laurance, E J
The illegal export of conventional arms form the United States: Magnitude, Methods and Policy Implications.
International Studies Association. St. Louis, March 30, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONFERENCE PRESENTATIONS (cont'd)

Laurance, E J
Illegal arms sales and public policy in the United States: International Penetration and domestic bureaucratic politics
The Rand Corporation, February 28, 1988.

Looney, R E
Military expenditures in developing countries: Patterns of budgetary tradeoffs
Inter-Univ. Seminar on Armed Forces and Soc., Chicago, IL, Oct. 18-20, 1985.

Looney, R E
Profiles, of Latin American arms producers
Inter-Univ. Seminar on Armed Forces and Soc., Chicago, IL, Oct. 18-20, 1985.

Looney, R E
Structural origins of Mexican inflation
Social and Economic Studies, vol. 34, no. 3, p. 165-198, (Sep., 1985).

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
Impact of debt servicing on Argentina budgetary priorities
Western Econ. Asso., San Francisco, CA, July 1-5, 1986.

Looney, R E
Problems associated with third world disarmament
Fletcher School-Univ. of London Conf. on Third World Military Expenditures, London, England, Mar. 19-21, 1986.

Looney, R E
A monetary approach to movements in Caribbean balance of payments: With special reference to Jamaica
North American Economics and Finance Association Conference, Laredo, TX, June 17-21, 1987.

Looney, R E
Economic factors affecting third world arms imports
California Seminar, Los Angeles, CA, April 20, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONFERENCE PRESENTATIONS (cont'd)

Looney, R E
Limitations of Mexican debt based growth
Conference on Latin American Debt: Problems and Policies, Hoover Institution, Stanford University, Sept. 17-19, 1987.

Looney, R E
Current economic trens in the Persian Gulf economies
Presentation at the Conference on United States Policy in the Persian Gulf, 1988.

Looney, R E
Economic determinants of third world arms transfers
Paper presented at the Third World Arms Transfer Conference, March 21, 1988.

Looney, R E
Macroeconomic consequences of size: The effectiveness of government expenditures in smaller developing nations
Paper presented at the North American Economics and Finance Association meeting, New York, New York, December 29, 1988.

Looney, R E
Saudi Arabian fiscal strategies in an era of fluctuating oil revenues
Paper Presented at the Western Economic Association Meeting, Los Angeles, CA., July 3, 1988.

Looney, R E
The usefulness of post-keynesian paradigms assessing Saudi Arabian economic performance
Middle East Economic Association meeting, New York, New York, December 30, 1988.

Looney, R E; Frederiksen, P
Impact of Caribbean basin initiative on the Jamaican economy: An optimal control analysis
North Am. Econ. and Finance Asso., New York, NY, Dec. 28-31, 1985.

Looney, R E; Frederiksen, P
The impact of defense spending on economic performance
Atlantic Econ. Asso., St. Thomas, Virgin Islands, Apr. 15-20, 1986.

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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONFERENCE PRESENTATIONS (cont'd)

Magnus, R H
Afghanistan: Humanitarian response to an inhuman strategy
Middle East Studies, Asso., 19th Annual mtg., New Orleans, LA, Nov. 23-26, 1985.

Magnus, R H
Health care for civilian population and Mujahideen
14th Annual Conf. on South Asia, Univ. of Wisconsin, Madison, WI, Nov. 1-3, 1985.

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
A regional perspective on an Afghan settlement
Annual Conf., Middle East Studies Association, Boston, MA, Nov., 1986.

Magnus, R H
Afghanistan: The regional perspective
Heritage Foundation Conf. on Afghanistan, Washington, DC, Jan. 17, 1986.

Magnus, R H
Prospects for a negotiated settlement
Afghanistan Konference 1986, Copenhagen, Denmark, Nov., 1986.

Olsen, E A
Asian Communist Navies
1985 Seapower Conf., Center for Naval Analysis, Washington, DC, June 3-5, 1985.

Olsen, E A
Defense industries and So. Korean economy
ISA Annual Mtg., Chicago, IL, Mar., 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONFERENCE PRESENTATIONS (cont'd)

Olsen, E A
US-Japan defense cooperation
U.S. Strategy in East Asia, Naval War College, Mar., 1985.

Olsen, E A
US-USSR Balance in N.E. Asia
Korean Assoc. of I.R., Seoul, Korea, Aug., 1986.

Olsen, E A
The implications for US-ROK securities of changing economic relations
Council on US-Korea Security Studies, Indiana University, December, 1986.

Olsen, E A
Government, policy, politics, and economic dynamism in South Korea
Dynamism in Asia, University of SC, Institute of Intl. Studies, February, 1987.

Olsen, E A
The maritime strategy in the Western Pacific
Intl. Studies Association, Washington, DC, April, 1987.

Olsen, E A
U.S. perspectives on Northeastasian security
Intl. Studies Association, Washington, DC, April, 1987.

Olsen, E A
American perceptions of comprehensive security
Conference on Japan's Comprehensive Security at the East-West Center of the University of Hawaii, 1988.

Olsen, E A
East Asian security and the strategic commitment resources gap
1988 Public Affairs Conference, Principia College, Elsah, IL., 1988.

Olsen, E A
Prospects for Japan-South Korea security cooperation
The National Defense University Pacific Symposium, Ft. McNair, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONFERENCE PRESENTATIONS (cont'd)

Olsen, E A
The strategic resources-commitment gap in Northeast Asia
Annual Meeting of the International Studies Association, St. Louis, 1988.

Olsen, E A
US and Japanese relations with Korea after the olympics
Annual Meeting of the International Studies Association, St. Louis, 1988.

Olsen, E A
US policy toward Korea
Annual Meeting of the Association for Asian Studies, San Francisco, 1988.

Tollefson, S D
Brazilian arms sales and foreign policy: The decision-making process
Latin American Studies Association (LASA) at New Orleans, March, 1988.

Tritten J J
The relationship of non-nuclear and nuclear warfare
Int. Studies Asso., Anaheim, CA, Mar., 1986.

Tritten, J J
Declaratory policy for the strategic employment of the Soviet Navy
26th Annual Convention of the Intl. Studies Assoc., Washington, DC, March, 1985.

Tritten, J J
Suggestions for useful scenarios
Scenario Planning Conf. - Rand Corp., Washington, DC, July, 1986.

Tritten, J J
The importance of Communist ideology on international systems theory
Annual Conference of the American Society of Cybernetics, Virginia Beach, VA, February, 1986.

Tritten, J J
Is Naval warfare unique?
56th Military Operations Research Society, (MORS), Symposium at the Naval Postgraduate School, June, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONFERENCE PRESENTATIONS (cont'd)

Tritten, J J
Scenarios, simulations and games
Joint National Meeting of the Operations Research Society of America (ORSA) and the Institute of Management Sciences (TIMS), Denver, Co. October, 1988.

Tritten, J J
Withholding and attacking SSBSs
Program on Nuclear Policy, UC Santa Cruz, March, 1988.

Tritten, J J
Withholding and Attacking SSBNs
Gradutate School of International Studies, University of Miami, March, 1988.

Tritten, J J
Scenarios, simulations and games
27th Annual Conference of the North American Simulation and Gaming Association, Ashville, NC., October, 1988.

Tritten, J J; Barnett, R W
Are naval operations Unique?
Military Conflict Inst., McLean, VA, Nov., 1985.

Tritten, J J; Masterson, K S
New concepts in global wargaming
54th Miliary Oper. Res. Soc. (MORS) Symp., Washington, DC, June, 1986

Tritten, J J; Roberts, N C
Strategic management for the defense department
Annual Meetings of the National Defense Executive Reserve in Chicago, IL., Monterey, Ca., Atlanta, CA., and Washington, D.C., September, 1988.

Tsypkin, M
Perestroika, society, and war: Issues in Gorbachev's
Presented at the Russian Research Center, Harvard University, August 12, 1988.

Tsypkin M
The new thinking and quality of Soviet military manpower
Presented at the 20th Annual Conventional of the American Association for the Advancement of Slavic Studies, Honolulu, Hawaii, Novermber 18-21, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONFERENCE PRESENTATIONS (cont'd)

Tsypkin, M
The new thinking and qualtiy of Soviet military manpower
John Olin Lecture, Hoover Institution for the Study of War, Revolution, and Peace, Stanford, CA., December 15, 1988.

Winterford, D
Security, sovereignty and economics: Armaments limitation in Asia
Am. Polictical Sci. Asso. Annual Mtg., Washington, DC, Aug., 1986.

Winterford, D
The Soviet Naval build-up in Southeast Asia: Implications for Sino-ASEAN-U.S. defense
Presented at the Annual Meeting of Western Conference of the Association for Asian Studies, Seattle, Washington, October 21-22, 1988.

Yost, D S
Commentary on The arms control arena: Target on policy initiatives
Contemporary Soviet Propaganda and Disinformation, Airlie, VA, June 25-27, 1985.

Yost, D S
Alternative structures of European Security
National Defense University, Strategic Concepts Development Center, Washington, D.C., June, 1988.

Yost, D S
Assemblee nationale, commission de la defense nationale et des forces Armees, Paris
Presented at the French regarding prospects for change in France's security policy, December 20, 1988.

Yost, D S
Department of defense, the pentagon, Washington, D.C.
Presentation on NATO Nuclear Policy and Political Trends Pointing a Potential Delegitimization of Nuclear Detterence, for the Defense Policy Board, October 20, 1988.

Yost, D S
Department of defense, the pentalgon, Washington, D.C.
Presented at the Political and exonomic trends in Western Europe for OSD/ISP Officials, October, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONFERENCE PRESENTATIONS (cont'd)

Yost, D S
Europe's political-economic security future
Department of Defense Summer Seminar on National Strategy, August 22-24, 1988.

Yost, D S
La foudation du futur, Paris
Presented in French regarding prospects for change in France's security policy, December, 20, 1988

Yost, D S
Political and economic trends in Western Europe
Presented at the Seminar on the Role of Arms Control in Building Regional Peace and Security, September 26-27, 1988.

Yost, D S
Public opinion and political culture
Los Alamos National Laboratory, Center for National Security Studies, Los Alamos, New Mexico, Conference on the Future of Nuclear Weapon June 6-8, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONTRIBUTIONS TO BOOKS

Bruneau, T C
Las democracias contemporaneas, with nikiforos diamandorous and Richard Gunther in colaborating the expansion and updating of Arend
Barcelona: Ariel Ciencia Politica, 1987.

Bruneau, T C
The church and politics in transition: Commitment and Analysis
Brazil's Economic and Political Future (Boulder: Westview Press, 1988).

Garrity, P J
Foreign policy in the 1984 Campaign: A retreat from the brink?
IN Peter Schramm and Dennis Mahoney, eds. Due dependence on the people: The 1984 election and the future of American politics, Carolina Academic Press, 1986.

Herbig, K L
Chance and uncertainty in On War
IN Michael I. Handel, ed.: Clausewitz and modern strategy, Frank Cass, 1986, p. 95-116

Hoffman, F S; Wohlstetter, A; Yost, D S
Swords and shields: NATO, the USSR, and new choices for long-range offense and defense
Lexington, KY, Heath, 1987. 369 p.

Jencks, H W
The Military
IN J. Major, ed.: China briefing: 1987, Boulder, CO, Westview, 1987.

Laurance, E J; Mullen, J A
Assessing and analyzing international arms trade data
IN D. J. Louscher and M. D. Salomone, Eds.: Marketing security assistance: New perspectives on arms sales, New York, NY, Lexington, 1987.

Looney, R E
The political economy of Latin American defense expenditures
Lexington Books, 1986. 325 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONTRIBUTIONS TO BOOKS (cont'd)

Looney, R E
The Jamaican Economy in the 1980s
Westview Press, 1986. 225 p.

Looney, R E
The influence of arms imports on third world debt, in William Avery and David Rapkin, eds,. International Studies Association,
International Political Economy Yearbook (Boulder, Colorado, Lynne Reiner, 1989).

Looney, R E
Third world military expenditures and arms production
London, Macmillan Press, 1988.

Looney, R E
United States defense expenditures, (with Steve Mehay) in Keith Hartley ed.,
The Economics of Defense Spending (London: Croom Helm, 1989).

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
Introduction (Arabic ed. of Afghanistan: Issues, options and policies)
IN R.H Magnus, ed.: Mushkilat Afghanistan, Qdhaya, khayarat, siyasat. Cairo, Egypt, Maktabat al-wa'i, 1985. 322 p.

Magnus, R H
Mushkilat Afghanistan, qdhaya, khayarat, siyasat (Arabic ed. of Afghanistan: Issues, options and policies)
Cairo, Egypt, Maktabat al-wa'i al Arabi, 1985. 322 p.

Magnus, R H
The military and politics in Afghanistan: Before and after the revolution
IN Edward A. Olsen and Stephen Jurika, Jr., eds.: The Armed Forces in Contemporary Asian societies, Boulder, CO, Westview, 1986, p. 325-344.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONTRIBUTIONS TO BOOKS (cont'd)

Magnus, R H
Humanitarian response to an inhuman strategy
IN G. M. Farr and J. G. Merriam, eds.: Afghan resistance, The politics of survival, Boulder, CO, Westview Press, 1987, p. 191-212.

Magnus, R H; ed.
Afghan alternatives: Issues, options and policies
New Brunswick, N. J., Transaction Books, 1985. 221 p.

Olsen, E A
National security interests in the Pacific basin
Section on Northeast Cooperation in Claude A. Buss, ed., Stanford: Hoover Institution Press, 1985.

Olsen, E A
U.S.- Japan strategic reciprocity
A Neo-Internationalist View Stanford: Hoover Institution Press, 1985.

Olsen, E A
Democracy in Far East
IN R. Wesson, ed: Democracy: Global assessment, Hoover/Praeger, 1986.

Olsen, E A
Emerging powers: Defense and security in the third world
Republic of Korea: Peninsular Overachiever, 1986.

Olsen, E A
Hangook jushik whaesa: Pak chungkwon ui kyongjae jungchek kwa kuh chunchichuk yonghyang
IN Y.N. Ku and H.J. Kim, eds.: Nambukhan chungji tonghapkwa gookjae kwangye, Kyungnam Univ., 1986.

Olsen, E A
Navies of North Korea, Vietnam and Cambodia
IN J. George, ed.: 1985 Seapower forum on Communist Navies, Naval Inst. Press, 1985.

Olsen, E A
South Korea
IN S. Hildred and r. Jones, eds: Emerging powers: Defense and third world, Praeger, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONTRIBUTIONS TO BOOKS (cont'd)

Olsen, E A
The Armed forces in comtemporary Asian societies
The Societal Role of the ROK Armed Forces, in Olsen and Jurika Editors, Boulder: Westview Press, 1986.

Olsen, E A
U.S., Japan and North Korea
IN H.D. Chui and Y.S. Yim, eds.: Politics of adversary relations, Cheungju Univ., 1986.

Olsen, E A
The third world and international security
Northeast Asia, Ballinger Press, 1987.

Olsen, E A
Democracy in the Far East
IN R. Wesson, ed.: Democracy: A global assessment, Praeger Pub., 1987.

Olsen, E A
Northeast Asia- Korea
IN R. S. Litwak, ed.: The Third World and Intl. Security, Ballinger Press, 1987.

Olsen, E A
Preface
IN M. Matsui, ed.: Japanese Library Collections on the Pacific Coast, Univ. of Hawaii, Asian Library Publications, 1987.

Olsen, E A
The Sea of Japan
IN Y. H. Kihl, and L. E. Grinter, eds.: Asian-Pacific Security, St. Martins Press, 1987.

Olsen, E A
Tae-hwan Kwak, & Jung-hyun Shin, editors. Northeast Asian Security and peace: Toward the 1990s.
Seoul: Kyunghee University International Institute for Peace Studies, 1988.

Olsen, E A
U.S. Korean security relations.
Institute for Defense Analyes, Monograph Series, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONTRIBUTIONS TO BOOKS (cont'd)

Olsen, E A
US Policy and the two koreas. San Francisco: World Affairs council of northern California
Distributed by Westview Press, 1988.

Olsen, E A; Jurika, S
Armed Forces in contemporary Asia
Westview, Boulder, CO, 1986.

Roberts, N C; Thomas, W K
Troubled waters: A sourcebook of cases in management and organization.
Monterey, CA., Naval Postgraduate School.

Tollefson, S D; Riordan, R
Federative republic of Brazil
World Encyclopedia of Political Systems and Parties, 1986.

Tollefson, S D; Riordan, R
Brazil
Latin American and Caribbean Contemporary Record, vol. 5: 1985-1986, New York: Holmes and Meier, 1987.

Tollefson, S D; Riordan, R
Latin America and Caribbean contemporary record
Vol. 6: 1986-1987, New York: Holmes and Meier, 1988.

Tritten, J J
Soviet amphibious, mine, and coastal patrol force
IN Soviet and other Communists navies: The view from the mid-1980's, U.S. Naval Institute, 1986, p. 153-170.

Tritten, J J
Soviet naval forces and nuclear warfare: Weapons, employment, and policy
Boulder, CO, Westview, 1986. 282 p.

Yost, D S
France and conventional defense in central Europe
Boulder, CO, Westview, 1985. 132 p.

Yost, D S
La France et la securite europeenne
Presses Universitaires de France, 1985. 346 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONTRIBUTIONS TO BOOKS (cont'd)

Yost, D S
Ballistic missile defense and the Atlantic Alliance
IN S.E. Miller, S. Van Evera, eds.: The Star Wars Controversy, Princeton, NJ, Princeton Univ. Press, 1986, p. 131-162.

Yost, D S
French nuclear targeting
IN D. Ball and J. Richelson, eds.: Strategic nuclear targeting, Cornell Univ. Press, 1986, p. 127-156.

Yost, D S
Soviet ballistic missile defense and the Atlantic Alliance
IN D. Quayle, R. E. Hunter, and C. E. Farmer, eds.: Strategic Defense and the Western Alliance, Georgetown Univ., Center for Strategic and Intl. Studies, 1986, p. 70-85.

Yost, D S
Soviet ballistic missile defense and European security
IN H.J. Neuman, ed.: The American Strategic Defense Initiative: Implications for West European security, Netherlands Inst. of Int. Relations, 1986, p. 50-126.

Yost, D S
Soviet missile defense and NATO
IN Z. Brzezinski, ed.: Promise or peril: The Strategic Defense Initiative, Ethics and Public Policy Center, 1986 p. 267-281.

Yost, D S
Alliance strategy and ballistic missile defense
IN S. Lakoff and R. Willoughby, authors: Strategic defense in the Western Alliance, Lexington, MASS., D.C. Heath, pp. 63-104, 1987.

Yost, D S
Commentary on the arms control arena: Target on policy and initiatives
U.S. Department of State, Contemporary Soviet Propaganda and disinformation, pp. 202-213, 1987.

Yost, D S
Strategic defenses in Soviet doctrine and force posture
Swords and Shields NATO, the USSR, and New Choices for Long-Range Offense and Defense, pp. 63-104, D.C. Heath, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONTRIBUTIONS TO BOOKS (cont'd)

Yost, D S
The Soviet campaign against INF in West Germany
IN P. J. Parker, and B. D. Dailey, eds.: Soviet strategic deception, Lexington, MASS., D.C. Heath, pp. 343-374, 1987.

Yost, D S
U.S. and Soviet views on prospects for a cooperative transition in strategic defense
IN S. F. Wells and R. Litwak, eds.: Strategic Defenses and Soviet-American Relations, Cambridge, MA, Ballinger Pub., 1987, p. 163-174.

Yost, D S
Soviet ballistic missile defense and the Western alliance
Cambridge, Mass., Harvard University Press, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

Breemer, J
Defeating the submarine: Choosing ASW Strategies - Part I: The first world war
Naval Forces, October 1988.

Breemer, J
Mine warfare: The historical perspective
Naval Forces, March 1988.

Breemer, J; ; ; ; ; ; ;
The future of the soviet submarine fleet
Armed Forces (London), January 1988.

Breemer, J
The maritime strategy: One ally's view
Naval War College Review, Summer 1988.

Bruneau, T C
A mediterranean model of democracy? The southern European democracies in comparative perspective, with arend lijphart, nikiforos
West European Politics Volume II, no. 1, February 1988.

Bruneau, T C
Cooperation or conflict? The church in the Brazilian transition
Thought: A Review of Culture and Idea, Volume 63, September 1988.

Bruneau, T C
The constituent assembly and democratic consolidation in Brazil
University of California, Berkeley, April, 1988.

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).

Buchanan, P G
Transitions to democracy: Argentina and Brazil
Authoritarian Regimes in Transition: Argentina and Brazil, Washington, DC, Dec,. 1985.
IN Authoritarian regimes in transition, Foreign Service Inst., (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

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).

Garrity, P J
Why we need nuclear weapons
Policy Rev., no. 35, (Winter, 1986).

Herbig, K L
Chance and uncertainty in On War
J. of Strategic Studies, vol.9, nos. 2-3, p. 95-116, (Jun./Sept., 1986).

Jencks, H W
PRC defense strategy as reflected in military reform
Int. Studies Asso. Annual convention, Anaheim, CA, Mar. 26, 1986.

Jencks, H W
Watching China's military: A personal view
Problems of Communism, vol. 35, no. 3, p. 71-78, (May-June, 1986).

Jencks, H W
China's military policies and their implications for Southeast Asia
US-ADSEAN Conf. on ASEAN and China, Kuala Lumpur, Malaysia, 5-8 Jan., 1987.
IN Proc., US-ASEAN Conf., Univ. of CA Press, (1987).

Jencks, H W
Defending China in 1987
Current History, vol. 86, no. 521, p. 266-69, 276-279, (Sept. 1987).

Looney, R E
A monetarist interpretation of inflation in pre-revolutionary Iran
J. of South Asian Social, Political and Economic Studies, vol. 10, p. 87-102, (Spring, 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Looney, R E
Demographic perspectives on Saudi Arabia's development
United Nations Population Bulletin, no. 26, (June, 1985).

Looney, R E
Impact of oil revenues on the pre-revoltionary Iranian economy
Middle Eastern Studies, vol. 21, no. 1, p. 61-71, (Jan., 1985).

Looney, R E
Saudi Arabia's industrialization strategy
J. of Social Political and Economic Studies, vol. 10, no. 4, p. 437-454, (Winter, 1985).

Looney, R E
Saudi Arabia's islamic growth model applications to monetary and banking policy
J. of Social, Political and Economic Studies, vol. 10, no. 2, p. 177-194, (Summer, 1985)

Looney, R E
Saudi Arabia's Islamic growth model
Finance and Industry, no. 6, (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
A critique of the Saudi Arabian industrial strategy
Journal of Social, Political, and Economic Studies, 1986.

Looney, R E
Austerity and military expenditures in developing countries: The case of Venezuela
Socio-Economics Planning Sciences, vol. 20, no. 3, p. 161-164, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Looney, R E
Demilitarization in Argentina
Defense Analysis, vol. 2, no. 4, p. 322-24, (December, 1986).

Looney, R E
Determinants of per capita military expenditures in developing countries
Manchester papers on development, vol. 11, no. 3, p. 1-21, (November 1986).

Looney, R E
Factors underlying Venezuelan defense expenditures 1950-83
Arms Control, vol. 7, no. 1, p. 74-101, (May 1986).

Looney, R E
Macroeconomic adjustment mechanisms in an oil based economy: Saudi Arabia
Finance and Industry, no. 7, 1986.

Looney, R E
Military expenditures in Latin America: Budgetary tradeoff analysis
J. of Econ. Development, vol. 11, no. 1, p. 69-104, (Jul., 1986).

Looney, R E
Socio-economic tradeoffs in Saudi Arabia's third five year plan
Socio-Economic Planning Sciences, vol. 20, no. 4, p. 181-192, (1986)

Looney, R E
Termination of the Mexican economic model
Scandinavian Journal of Development Alternatives, vol. V, no. 4, p. 81-94, (December, 1986).

Looney, R E
Venezuela's economic crisis: Origins and prospects for recovery
Journal of Social Political and Economic Studies, Fall, 1986.

Looney, R E
Contrasting budgetary patterns in third world civilian and military regimes
Journal of Social, Political, and Economic Studies, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Looney, R E
Defense expenditures and pre revolutionary Iranian economic growth
J. of Economics and Administrative Studies, vol. 1, no. 1, p. 109-141, (Winter, 1987).

Looney, R E
Determinants of Venezuelan budgetary priorities
Socio Economic Planning Sciences, vol. 20, no. 1, p. 34-66, (April 1987).

Looney, R E
Failure of the Argentinean monetarist experiments
Scandinavian Journal of Development Alternatives, 1987.

Looney, R E
Guidelines for Saudi Arabian monetary policy
The Industrial Bank of Kuwait Papers, no. 26, December, 1987.

Looney, R E
Impact of increased external debt servicing on government budgetary priorities in Argentina
Socio Economic Planning Sciences, vol. 21, no. 1, p. 25-32, (September, 1987).

Looney, R E
Impact of military expenditures on third world debt
Canadian J. of Development Studies, vol. 8 no. 1, p. 7-26, (November, 1987).

Looney, R E
Impact of regime type on Argentinean central government budgetary priorities: 1961-1982: A test of the O'Donnell thesis
International Journal of Public Administration, 1987.

Looney, R E
Mechanism of Mexican economic growth: The role of deteriorating sources of growth in the current economic crisis
The J. of Social, Political and Economic Studies, vol. 12, no. 1, p. 77-94, (Spring, 1987).

Looney, R E
Profiles of third world mineral producers
Resources Policy, vol. 13, no. 1, p. 55-67, (March, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Looney, R E
Scope for policy in an oil based economy: Mexican stabilization efforts in the 1970s
Socio Economic Planning Sciences, vol. 21, no. 3, p. 167-176, (1987).

Looney, R E
Socio-Economic planning in an era of falling oil revenues: The case of Venezuela
Socio EconomicPlanning Sciences, 1987.

Looney, R E
The impact of political change, debt servicing and fiscal deficits on Argentinean budgetary priorities
Journal of Economic Studies, 1987.

Looney, R E
The money supply process in pre revolutionary Iran
Socio Economic Planning Sciences, vol. 21, no. 4, p. 257-262, (1987).

Looney, R E
The Argentinean economic crisis
Scandinavian J. of Development Alternatives, vol. 5, no. 2-3, p. 125-137, (June/September, 1987).

Looney, R E
Budgetary impacts of third world arms production
International Journal of Public Administration, 1988.

Looney, R E
Declining oil revenues and austerity: The economics of reduced Saudi Arabian defense expenditures
Arab Studies Quarterly, 1988

Looney, R E
Defense budgetary processes in the third world: Does regime type make a difference?
Arms Control, 1988.

Looney, R E
Determinants of caribbean current account balances: With special reference to Jamaica
Scandinavian Journal of Economic Development

Looney, R E
Determinants of third world mineral economies external debt,
Journal of Economic Development

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Looney, R E
Economic Factors affecting the third world arms traade
International Trade Journal, 1988.

Looney, R E
Economic Factors Affecting the third world arms trade
International Trade Journal, 1988

Looney, R E
Environments conducive to third world arms production, Decline
Singapore Economic Review, 1988

Looney, R E
Future viability of the Saudi Arabian private sector in an era of fiscal austerity
Journal of South Asian and Middle East Studies, 1988.

Looney, R E
Growth prospects of the Saudi Arabian private sector
American-Arab Affairs, 1988

Looney, R E
Impact of arms production on third world distribution and growth
Economic Development and Cultural Change, 1988.

Looney, R E
Impact of defense expenditures on the Saudi Arabian private sector
Journal of Arab Affairs, 1988.

Looney, R E
Impact of technology transfer on the Saudi Arabian labor force
Journal of Economic Issues, 1988

Looney, R E
Limitations of Mexican debt-based growth
Latin American Debt Crisis, New York Praeger Publishers, 11988.

Looney, R E
Macroeconomic consequences of the size of third world nations
Manchester Papers on Development, 1988

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Looney, R E
Macroeconomic consequences of the size of third world nations: with special reference to the caribbean
World Development

Looney, R E
Manpower problems in a capital rich country: The case of Saudi Arabia
United Nations Economic and Social Commission for Western Asia, Population Bulletin of the ESCWA, 1988

Looney, R E
Military expenditures and Socio-economic development in Africa: A summary of recent empirical research
The Journal of Modern African Studies, 1988

Looney, R E
Political change and public enterprise performance: Argentina as a case study
Revista Internazional di Scienze Economiche e Commerciali, 1988.

Looney, R E
Saudi arabia's fiscal dilemma: Sustained growth versus increased vulnerability
Journal of Arab Affairs, 1988.

Looney, R E
Saudi Arabian budgetary dilemmas in an era o slack oil revenues
Middle Eastern Studies, 1988.

Looney, R E
Saudi Arabian planning dilemmas in an era of fluctuating oil revenues
Socio Economic Planning Sciences, 1988

Looney, R E
Socio-Economic impact of the caribbean basin initiative: the case of Jamaica, (with P.C. Frederiksen)
Socio-Economic Planning Sciences

Looney, R E
State department agency for international development
Presentation at the Conference on United States Policy in Development, Washington, DC, March 11, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Looney, R E
The influence of arms imports on third world debt,
Journal of Developing Areas

Looney, R E
The political economy of the third world military expenditures: Impact of regime type on the defense allocation process
Journal of Political and Military Sociology, 1988

Looney, R E
The relative importance of internal and external factors in effecting third world military expenditures,
Journal of Peace Research

Looney, R E
The relative strength of fiscal and monetary policy in saudi arabia
Industry and Finance, 1988

Looney, R E
The role of military expenditures in pre-revolutionary Iran's economic decline
Iranian Studies, 1988.

Looney, R E
Viability of Saudi Arabian agriculture
Food Policy, 1988

Looney, R E
Why third disarmament is so difficult to attain
Man, Environment, Space, and Time, 1988

Tritten, J J
Withholding and attacking SSBNs
14th Defense Advanced Research Projects Agency (DARPA) Strategic Systems Symposium, Naval Postgradutate School, Monterey, CA., October, 1988.

Looney, R E
Profiles of smaller developing economies
Canadian Journal of Development Studies

Looney, R E
The influence of arms imports on third world debt
Journal of Developing areas, 1989

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Looney, R E
The role of infrastructure in saudi arabia's development: The relative importance of linkage vs. spread effects,
International Journal of Transport Economics, 1988.

Looney, R E; Frederiksen, P
Defense expenditures external public debt and growth in developing countries
J. of Peace Res., vol. 23, no. 4, (1986).

Looney, R E; Frederiksen, P
Profiles of current Latin American Arms Producers
Int. Organization, vol. 40, no. 3, p. 745-752, (Summer, 1986).

Looney, R E; Frederiksen, P
The future demand for military expenditures in Argentina
Arms Control, vol. 7, no. 2, p. 197-202, (September, 1986).

Looney, R E; Frederiksen, P
Consequences of military and civilian rule in Argentina: An analysis of central government budgetary tradeoffs
Comparative Political Studies, vol. 20, no. 1, p. 34-46, (April, 1987).

Looney, R E; Frederiksen, P
Environments conducive to indigenous third world arms production
Defense Analysis, vol. 3, no. 1, p. 80-81, (March, 1987).

Looney, R E; Frederiksen, P
Fiscal policy in Mexico: The Fitzgerald thesis reexamined
World Development, vol. 15, no. 3, p. 399-404, (March, 1987).

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).

Looney, R E; Frederiksen, P C
Impact of Latin American arms production on economic performance
Journal of Economic, Political, and Economic Studies, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

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).

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 (CENTCOM)
Conflict, vol. 5, no. 4, p. 337-353, (1985).

Olsen, E A
Chiipu Raida e no fuman
Chuo Koron (Japan), (Dec., 1985).

Olsen, E A
Strength western alliances
J. of Contemporary studies, (Fall/Winter, 1985).

Olsen, E A
US-Japan-Rok military cooperation
Asian Perspective, (Fall/Winter, 1985).

Olsen, E A
Arms Race on Korean Peninsula
Asian Survey, (Aug., 1986).

Olsen, E A
Determinants of strategic burdensharing in East Asia
Naval War College Rev., (May-June, 1986).

Olsen, E A
Korean politics in U.S. policy: Higher pressure and lower profile
Asian Survey, (August, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Olsen, E A
The pitfallsof Korean factionalism
The Christian Science Monitor, (July 21, 1987).

Olsen, E A
Dark clouds over the Seoul olympics
The Christian Science Monitor, April 14, 1988.

Olsen, E A
It's not just games at Seoul olympics
San Francisco Chronicle, September 20, 1988.

Olsen, E A
It's time to get tough in trade with Korea
The Newsday, October 4, 1988.

Olsen, E A
Security implications of economic and political nationalism in the U.S. and ROK in the Journal of Northeast Asian Studies, Winter 1988-89

Olsen, E A
Seoul: goodbye, presidential election; hello, olympics
The Christian Science Monitor, January 12, 1988.

Olsen, E A
The high cost of being unable to study in Japan
The Christian Science Monitor, November 8, 1988.

Olsen, E A
The roots of Korean anti-Americanism
The Christian Science Monitor, July 13, 1988.

Olsen, E A
U.S. should stop laying Golden Eggs for Asia
The Asian Wall Street Journal Weekly, September, 1988.

Ramp, S R; Schlitz, R J; Wright, W R
The deep flow through the northeast channel, Gulf of Maine
J. of Physical Oceanogr., vol. 15, no. 12, p. 1709-1808, (Dec., 1985)

Tollefson, S D
Jamaica: The limits of showcase policy
SAIS Review, vol. 5, no. 2, Summer-Fall, pp. 189-204, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Tollefson, S D; Riordan, R
Brazil's status as an intermediate power
Third World Affairs, pp. 101-112, 1986 Annual Edition.

Tollefson, S D; Riordan, R
Brazil's transition to democracy
Current History, pp. 21-24, January, 1986.

Tollefson, S D; Teneriello, B
The political economy of aid and development in the Caribben basin: Guatemala and Jamaica
Central American and Caribbean Program, Occasional Paper no. 11, Washington, DC, The Johns Hopkins University School of Advanced International Studies, July, 1986.

Tritten, J J
A theory of the wartime strategic employment of the Soviet Navy
The Army Quarterly and Defense Journal, vol. 115, no. 2, pp. 141-147, April, 1985.

Tritten, J J
Soviet amphibious, mine, and coastal patrol forces
1985 Center for Naval Analyses Sea Power Forum, Washington, DC, Nov., 1985.

Tritten, J J
The Soviet civilian fleet: A threat to the west?
Defense and Foreign Affairs, vol. XIII, no. 2, p. 31,35, (February, 1985).

Tritten, J J
The Soviet civilian fleet: A threat to the West?
Defense and Foreign Affairs, vol, XIII, no. 2, pp. 31 and 35, February, 1985.

Tritten, J J
Defensive strategy and offensive bastion
Seapower, vol. 29, no. 12, p. 64-70, (November, 1986).

Tritten, J J
Ideology: The bears's carrot
U.S. Naval Inst. Proc., vol. 112, no. 7, p. 38-44, (Jul, 1986)

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Tritten, J J
(Non) Nuclear warfare
U.S. Naval Institute Proc., vol. 113, no. 2, p. 64-70, (February, 1987).

Tritten, J J
Interested in education?
Seapower, vol. 30, no. 3, p. 6, (February, 1987).

Tritten, J J
Soviet Naval strategy?
Naval Forces, vol. 8, no. 4, p. 56-60, (1987).

Tritten, J J
Anti-carrier warfare and naval operational art - a problem for NATO
The Army Quarterly and Defense Journal, Vol. 118, No. 1, January 1988, p. 42-47.

Tritten, J J
Are nuclear and nonnuclear war related?
Journal of Strategic Studies, vol. 11, no. 3, pp. 365-373, September, 1988.

Tritten, J J
Is Naval warfare unique?
Thinking RED in Wargaming workshop at the National Defense University, Washington, D.C., June, 1988.

Tritten, J J
Strategic targeting by soviet SSBNs, Naval Forces, Vol. IX, No. III/1988, p. 14-16

Tritten, J J
Withholding and attacking SSBNs, Naval Forces, Vol. IX, No. II/1988, p. 44-51.

Tritten, J J; Barnett, R
Are naval operations unique?
Naval Forces, vol. VII, no. V, p. 20-30, (1986).

Tritten, J J; Channel, R N
The RAND strategy assessment system at the Naval Postgraduate School
56th Military Operations Research Society (MORS) Symposium, at the Naval Postgraduate School, Monterey, CA., June, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Tritten, J J
The Soviet's Bastion strategy
Submarine Rev., p. 82-83, (Oct., 1985).

Tsypkin, M
Perestroika: Opium for the intellectuals
World and I, pp. 419-425, 1988.

Tsypkin, M
Soviet-American exchanges: promises and problems
In U.S. Congress, Hearing before the Commission on Security and Cooperation in Europe, Soviet-American Exchanges, Washington, DC, pp. 17-31, January, 1988.

Yost, D S
Franco-German defense cooperation
Washington Quarterly, vol. 11, pp. 173-195, Spring, 1988.

Yost, D S
Soviet ballistic missile defense and NATO
NATO Rev., vol. 33, no. 5, p. 10-18, (Oct., 1985).

Yost, D S
Radical change in French defense policy? A review essay
Survival, vol. 28, p. 53-58, (Jan./Feb., 1986).

Yost, D S
Armements conventionels: Une nouvelle negociation?
Defense Nationale, vol. 43, p. 59-75, (June, 1987).

Yost, D S
Beyond MBFR: The Atlantic to the Urals Gambit
Orbis, vol. 31, p. 99-134, (Spring, 1987).

Yost, D S
Commentary on the arms control arena: Target on policy initiatives
Contemporary Soviet Propaganda and Disinformation, Airlie, VA June 25-27, 1985.
IN Contemporary Soviet Propaganda and Disinformation, U. S. Dept. of State, p. 203-213, (1987).

Yost, D S
Die Kontrolle konventioneller Rustung vom Atlantik bis zum Ural. Ein Mittel zur Behebung der Mangel bei MBFR?
Europa-Archiv, vol. 42, no. 10, p. 287-296, (May, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS (cont'd)

Yost, D S
Soviet aims in Europe
Society, vol. 24, p. 72-79 (July/August 1987).

Yost, D S
Suggested Readings (on European security)
Teaching Political Science: Politics in Perspective, vol. 14, no. 3, p. 145-146, (Spring, 1987).

Yost, D S
The Reykjavik summit and European security
SAIS Review, vol. 7, p. 1-22 (Summer/Fall 1987).

Yost, D S
Cooperation franco-allemande en matiere de defense
Politique Etrangere, vol. 53, no. 4, pp. 841-854, December, 1988.

Yost, D S
France, West Germany, and European security cooperation
International Affairs, vol. 64, pp. 97-100, Winter, 1988.

Yost, D S
Western Europe and the U.S. strategic fefense initiative
Journal of International Affairs, vol. 41, pp. 269-323, Summer, 1988.

Yost, D S; Hoffman, F S
Swords and Shields: NATO the USSR and new choices for long-range offense and defense
Albert Wohlsetter, Lexington, Mass., D.C. Health/Lexington Books, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

TECHNICAL REPORTS AND NOTES

Abenheim, D
The citizen in uniform: Reform and its critics in the bundeswehr
Prepared for Chief of Naval Research, (NPS-56-88-008), February 1988, 39 p.

Bathurst, R B
Some problems in soviet-american war termination: Cross/sultural asymmetries
Prepared for Director, Office of the Secretary of Defense, Washington, DC, Naval Postgraduate School, (NPS-56-88-028), Sept 1988 73 p.

Breemer, J
Anti-Submarine warfare: A strategy primer
Naval Postgraduate School, Monterey, (NPS-56-88-014), July 1988.

Buchanan, P G
National labor administration and democracy in Argentina
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS56-87-007), 1987.

Buchanan, P G
National labor administration and democracy in Brazil, 1985-1987
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS56-87-006), 1987. p. 50.

Buchanan, P G
State organization as a political indicator
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS56-87-008), 1987.

Buchanan, P G
State terror, economic policy, and social rupture during the Argentine Proceso
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS56-87-004), 1987.

Buchanan, P G
State, labor, capital: Institutionalizing democratic class compromise in the Southern cone
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS56-87-005), 1987.

Buchanan, P G; Looney, R
Relative militarization and its impact on public policy budgetary shifts in argentina, 1963-98
Prepared for Naval Postgraduate School, (NPS-56-88-002), July 1988,

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

TECHNICAL REPORTS AND NOTES (cont'd)

Channell, R;
Naval priorities for the rand strategy assessment system
Prepared for Chief Naval Research, Naval Postgraduate School, (NPS-56-88-023), December 1988

Christon, C L
Air weapon systems in the third world: A combat potential assessment technique
Sponsored by HQ USAF/Assistant Chief of Staff Intelligence. Naval Postgraduate School, (NPS-56-86-001), June, 1986. 206 p.

Dellenbrant, J A
The Soviet quest for regional security: Studies of Soviet foreign policy decision-making in the USSR
Naval Postgraduate School, (NPS-56-86-002), Sept., 1986.

Kartchner, K M
Long-range planning perspectives on nuclear war at sea: Naval nuclear crisis management.
Naval Postgraduate School, Monterey (NPS-56-88-032), September 1988.

Kartchner, K M
Soviet policy toward strategic arms reductions, 1982-1987
Prepared for Office of the Chief of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-56-88-012), May 1988

Sternberg, J
On the resistance of ceramics to high velocity penetration
Prepared for Naval Postgraduate School, (NPS-73-88-001), July 1988

Stolfi, R H
Soviet naval operational art: The soviet approach to naval war fighting
Prepared for Office of the Chief of Naval Operations, Washington, DC. Naval Postgraduate School, (NPS-56-88-033), September 1988 165 p.

Tritten, J J
Strategic targeting by soviet SSBNs
Office of the Secretary of Defense, (NPS-56-88-011), May 1988 13 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

TECHNICAL REPORTS AND NOTES (cont'd)

Tritten, J J
Witholding & attacking SSBNS
Prepared for Office of Secretary of Defense, (NPS-56-88-004), February 1988, 21 p.

Tritten, J J
Are nuclear and nonnuclear war related?
Sponsored by Director, NET Assessment, Office of the Sec. of Defense, Washington, DC, Naval Postgraduate School, (NPS-56-87-009), Aug. 1987. 16 p.

Tritten, J J
Creative use of scenarios
Sponsored by Director, NET Assessment, Office of the Secretary of Defense, Washington, DC, (NPS-56-87-001), April, 1987. 16 p.

Tritten, J J
Soviet naval strategy
Sponsored by Dir. Net Assessment, Office of the Sec. of Defense, Washington, DC Naval Postgraduate School, (NPS-56-87-010), Aug. 1987. 12 p.

Tritten, J J
A soviet view of U.S. national security strategy
Prepared for Strategic Concepts Branch (OP-603), Naval Postgraduate School, (NPS-56-88-019), July 1988, 8 p.

Tritten, J J
A Soviet view of U.S. national security strategy
Strategic Concepts Branch (OP-603), (NPS-56-88-019), July 1988, 8 p.

Tritten, J J
Anti-carrier warfare and naval operational art
Prepared for Director, Net Assessment, (NPS-56-88-001), January 1988, 12 p.

Tritten, J J
Anti-carrier warfare and naval operational art - a problem for NATO
Sponsored by Director, Office of Sec. of Defense, Washington, D.C. Naval Postgraduate School, (NPS-56-88-001), January 1988, 12 p.

Tritten, J J
Does new technology lead to war?
Sponsored by Director, Office of the Sec. of Defense, Washington, D.C., Naval Postgraduate School, (NPS-56-88-016), June 1988, 7 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

TECHNICAL REPORTS AND NOTES (cont'd)

Tritten, J J
Does new technology lead to war?
Prepared for Office of Secretary of Defense, Washington, DC. Naval Postgraduate School, (NPS-56-88-016), June 1988

Tritten, J J
Is naval warfare unique?
Sponsored by Office of the Chief of Naval Operations, Washington, D.C. Naval Postgraduate School, (NPS-56-88-018), August 1988, 29 p.

Tritten, J J
Military uses of the sea to the year 2000
Sponsored by Office of the Chief of Naval Operations, Washington, D.C. Naval Postgraduate School, (NPS-56-88-006), February 1988, 13 p.

Tritten, J J
Scenarios of nuclear escalation dominance and vulnerability
Sponsored by Director, Office of Defense, Washington, D.C. Naval Postgraduate School, (NPS-56-88-013), June 1988, 38 p.

Tritten, J J
Scenarios, simulations and games
Sponsored by Director, Office of the Sec. of Defense, Washington, D.C. Naval Postgraduate School, (NPS-56-88-029), September 1988, 28 p

Tritten, J J
Strategic targeting by soviet SSBNs
Sponsored by Director, Office of the Sec. of Defense, Washington, D.C. Naval Postgraduate School, (NPS-56-88-011), May 1988, 11 p.

Tritten, J J
Student reports in strategic planning
Prepared for Office of Secretary of Defense, Naval Postgraduate School, (NPS-56-88-031), October 1988, 273 p.

Tritten, J J
The rand strategy assessment system at the Naval Postgraduate School
Sponsored by Office of the Chief of Naval Operations, Washington, D.C. and the Office of the Chief of Naval Research, Arlington, VANaval Postgraduate School, (NPS-56-88-010), March 1988, 65 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

TECHNICAL REPORTS AND NOTES (cont'd)

Tritten, J J
Withholding and attacking SSBNs
Sponsored by Director, Office of the Sec., Washington, D.C. Naval Postgraduate School, (NPS-56-88-004), February 1988, 21 p.

Tritten, J J; Masterson, K S
New concepts in global wargaming
Sponsored by Director, NET Assessment, Office of the Secretary of Defense, Washington, DC. (NPS-56-87-002), May, 1987. 15p.

Tritten, J J; Roberts, N C
Strategic management for the defense department
Sponsored by the Director, Net Assessment Competitive Strategies Office, and Strategic Planning Office in the Office of the Sec. of Defense and the National Security Council Staff, (NPS56-88-030), September, 1988. 135 p.

Tritten, J J; Roberts, N C
Strategic Management for the Defense Department
Naval Postgraduate School, Monterey, CA (NPS-56-88-030), September 1988

Tritten, J J; Roberts, N C
Student reports in strategic planning
Sponsored by the Director, Net Assessment, Competitive Strategies Office, and Strategic Planning Office of the Sec. of Defense, and the National Security Council Staff, (NPS56-88-013PR), September, 1988. p. 301.

Tritten, J J; Roberts, N C
Strategic Management
Prepared for Director, Office of the Secretary of Defense, Washington, Naval Postgraduate School, (NPS-56-89-002), 34 p.

Tsypkin, M
Prospects for an increased ASEAN Naval role in Southeast Asia strategic affairs
Navy Research Council, 1987-88.

Tsypkin, M
Soviet reserve officer training system: An assessment
Prepared for Naval Postgraduate School, Monterey, CA. (NPS-56-88-017), July 1988, 20 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

TECHNICAL REPORTS AND NOTES (cont'd)

Tsypkin, M
Soviet-American exchanges: Promises and problems
Prepared for the Naval Postgraduate School, Monterey, CA., NPS56-88-003, January, 1988.

Winterford, D
Assessing the soviet naval build-up in SE Asia: Threats to regional security
Prepared for Naval Postgraduate School, Monterey, CA. (NPS-56-88-024), November 1988, 29 p.

Winterford, D
Sino-Soviet detente: New challenge to american interests in Asia
Naval Postgraduate School, Monterey, CA
(NPS-56-89-005), March 1989, 40 p.

Yost, D S
Alternative structures of European security
Sponsored by Intl. Security Studies Program, Woodrow Wilson Intl. Ctr. for Scholars, Smithsonian Inst., Washington, DC, Working Paper no. 81, 1987. 70 p.

DEPARTMENT
OF
OCEANOGRAPHY

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS

Abdelrahman, S; Thornton, E B
Modulation of short waves and long infragravity waves
Am. Geophysical Union, San Francisco, CA, Dec. 5, 1985.

Abdelrahman, S M; Thornton, E B
Changes in the short wave amplitude and wavenumber due to the presence of infragravity waves
Coastal Hydrodynamics, Newark, DE, June, 1987.

Batteen, M
On simulatingocean in climate using eddy-resolving primitive equation ocean models
NATO ASI Meeting, Banyuls-Sur-Mer, France, 2-15 June, 1985.

Batteen, M
On using sigma coordinates in ocean models
WOCE Workshop on Process Dynamics in Large-Scale Ocean Circulation Modeling, Sidney, British Columbia, Jul. 22-25, 1986.

Batteen, M
A numerical study of wind forcing of eddies and jets in the California current system
American Geophysical Union (AUG) Fall Meeting, San Francisco, CA., December 5-9, 1988.

Batteen, M
Modeling studies of the central California current system
Eastern Pacific Oceanic Conference (EPOC), Lake Arrowhead, CA., November 9-11, 1988.

Batteen, M
Modeling studies of the central California current system
Minutes of the 35th Eastern Pacific Oceanic Conference, EPOC Meeting, November, 1988.

Batteen, M
Modeling studies of the central California current system
Eastern Pacific Oceanic Conference (EPOC), Lake Arrowhead, CA., November 9-11, 1988.

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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

Bourke, R H
Determination of sea-ice freeboard
Sea-Ice Thickness Workshop, Albuquerque, NM, Dec 2-5, 1985.

Bourke, R H
The West Spitsbergen Current
Poleward Flows on Eastern Ocean Boundaries, Monterey, CA, December, 1986.

Bourke, R H
Impact of Arctic environment on ASW operations
55th Military Operations Research Soc. (MORS) Conf., Maxwell AFB, Montgomery, AL, May, 1987.

Bourke, R H; Garrett, R P
Spatial distributions of Arctic Sea ice
24th Mine Development Conf., Washington, D.C., May 14-16, 1985.

Bourke, R H; Garrett, R P
Sea ice thickness distribution in the Arctic Ocean
Annual Meeting of American Geophysical Union, San Francisco, CA, December, 1986.

Bourke, R H; Newton, J L; Paquette, R G; Weigel A M
Oceanographic observation of the Marginal Ice Zone in Fram Strait
Ocean Sciences Mtg. of Am. Geophysical Union, New Orleans, LA, Jan. 13-14, 1986.

Bourke, R H; Weigel, A M
On the Baroclinic circulation of the West Spitsbergen Current
Fram Strait: Exchange and Dynamics Workshop, Seattle, WA, November, 1986.

Breaker, L C; Mueller, J L; Wash, C H
Satellite observed changes in sea surface temperature and ocean color resulting from wind forces over the California Current.
AGU Ocean Sciences Mtg., New Orleans, LA, Jan. 13-17, 1986.

Budgell, W P; Smith, D C; Bird, A A
Internal ice stress effects in a coupled marginal ice zone/ocean model
Fall Meeting AGU, San Francisco, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

Chu, P C
A seabreeze mechanism in the marginal ice zone
American Geophysical Union Fall Meeting, San Francisco, CA, December, 1986.

Chu, P C
An air-ice-ocean feedback mechanism in the marginal ice zone
Intl. Union of Geodesy and Geophysics XIX, Vancouver, Canada, August, 1987.

Chu, P C
A meso-scale air-ic-ocean feedback mechanism in the marginal ice zone
OMAE, Houston, 1988.

Chu, P C; Garwood, R W
Thermodynamic feedback between summer monsoon and ocean temperature and salinity
Intl. Union of Geodesy and Geophysics XIX, Vancouver, Canada, August, 1987.

Collins, C A
Velocity measurements of the California undercurrent
35th Annual Meeting of the Eastern Pacific Oceanic Conference, Lake Arrowhead, CA., November 9, 1988.

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
Naval Postgraduate School environmental acoustic studies
CNO Conf. on Fleet Oceanography Training Requirements for ASW, CINCLANTFLT Headquarters, Norfolk, VA, Feb. 20-21, 1986.

Dunlap, C R
Naval Postgraduate School vertical line array DIFAR (VLAD) Studies
Naval Air Systems Command VLAD Working Group Mtg., Naval Air Development Center, Warminster, PA, Sept. 18-19, 1986.

Dunlap, C R; Andersen, K
EARG Drifting Buoy Program
Arctic Buoy Conf., Fleet Numerical Oceanogr. Center, Monterey, Calif., May 30-31, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (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.

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.

Dunlap, C R; Mahon, K; Raugust, S C
Near surface wind speed and measurements from an ocean drifting buoy
Fall Annual Mtg., Am. Geophysical Union, San Francisco, CA, Dec. 8-13, 1985.

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
Wind direction and mixed layer depth: Mid-latitude simulations
Ocean Sciences Mtg., New Orleans, LA, Jan., 1986.

Garrett, R P; Bourke, R H
Sea ice thickness distribution in the Arctic Ocean
Ice Penetration Technology Workshop, Monterey, CA, June 16-19, 1986.

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.

Itsweire, E C; Osborn, T R; Stanton, T P
Observations of temperature and salinity ramps in the seasonal thermocline
3rd Symp. of Density Stratified Flows, Caltech, Feb., 1987.

Jessen, P F; Ramp, S R
Velocity structure associated with an cold filament off Point Arena, California during July 1988
AGU Fall Meeting, San Francisco, CA., December, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

Jones, B H; Stanton, T P; Mooers, C N K
Biological and chemical variability associated with a cool filament off Northern California (OPTOMA 21)
AGU Fall Meeting, San Francisco, CA, December, 1986.

Martens, D E; Thornton, E B
Nearshore zone monitoring system
Coastal Hydrodynamics, Newark, DE, June, 1987.

McLaren, A S; Weaver, R; Bourke, R H
Digitization and statistical analysis of submarine under-ice profiles
Ice Penetration Technology Workshop, Monterey, CA, June 16-19, 1986.

McManus, J J; Garwood, R W; Dunlap, C R
Coupled mixed layer - acoustic model
Ocean Sci. Mtg., New Orleans, LA, Jan. 13-17, 1986.

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.

Mooers, C N K; Rienecker, M M; Batten, M; Johnson, J E
Synoptic/mesoscale variability in the California Current System with possible links to the Hawaiian Island Ridge
Pacific Congress on Marine Technology: PACON 86, Honolulu, HI, Mar. 24-28, 1986.

Nystuen, J A
Validation of satellite derived precipitation measurements in Canada
Intl. Workshop on Validation of Satellite Derived Precipitation Measurements, Washington, DC, November, 1986.

Nystuen, J A; Farmer, D M
The sound generated by precipitation striking the ocean surface
Surface Mechanisms of Sound Generated in the Ocean, NATO Adv. Research Workshop, Lerici, Italy, June, 1987.

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.

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.

Ramp, S R
Observations of long-period motions on the continental shelf north of warm core ring 82B
Am. Geophysical Union Sciences Mtg., New Orleans, LA, Jan. 1986.

Ramp, S R
Preliminary results from the CTZ pilot studies: March and June 1987
ONR Coastal Transition Zone Principal Investigators Meeting, corvallis, OR, September, 1987.

Ramp, S R
Results from CTZ large scale survey grids 3 and 4 during July 1988
CTZ Principle Investigators Meeting, La Jolla, CA., November, 1988.

Ramp, S R; Jessen, P F
Preliminary results from the coastal transition zone (CTZ) mapping cruises during July 1988
AGU Fall Meeting, San Francisco, CA., November, 1988.

Semtner, A J
Modeling the dynamics of sea ice in ocean studies
Process Modeling for the World Ocean Circulation Experiment, Canadian Inst. of Ocean Sciences, Jul 22-24, 1986.

Semtner, A J
Finite difference formulation of a world ocean model
Proceedings of the NATO Institute on Advanced Physical Oceanographic Numerical Modelling, Reidel, Dordrecht, Holland, pp. 187-202, 1986.

Semtner, A J
History and methodology of modelling the circulation of the world ocean
Proceedings NATO Institute on Advanced Physical Oceanographic Numerical Modelling, Reidel, Dordrecht, Holland, pp. 23-32, 1986.

Smith, D C
The behavior of isolated eddies in a regional mesoscale numerical model
Spring Mtg., Am. Geophysical Union, Baltimore, MD, Apr., 1986.

Smith, D C; Bird, A A
A numerical study of isolated eddy interaction with a marginal ice zone: wind driven simulations
Spring Meeting AGU, New Orleans, 1988.

Smith, D C; Bird, A A; Budgell, W P
The interaction of an ocean eddy with a marginal ice zone ocean front
AGU Fall Meeting, San Francisco, 1988.

Smith, D C; Davis, G P
The interaction of an isolated eddy with an ocean jet
Presented at the 20th International Symposium on Ocean Hydrodynamics, University of Liege, Liege, Belgium, 1988.

Stanton, T P
Internal wave forcing of the mixed layer during MILDEX
IAMAP/IAPSO Conf., Honolulu, Hawaii, Aug., 1985.

Stanton, T P
Mixed layer processes during MILDEX
Ocean Sciences Mtg, New Orleans, LA, Jan. 13-17, 1986.

Stanton, T P
High resolution acoustic doppler velocity profile measurements
IUGG/TAMAP, Vancouver, Canada, August, 1987.

Stanton, T P; McCann, M P
Horizontal variability in the mixed layer during MILDEX
AGU Fall Annual Mtg., San Francisco, CA, Dec. 9-13, 1985.

Stanton, T P; Washburn, L
Velocity shear and thermohaline structure through an upwelling filament
AGU Fall Meeting, San Francisco, CA, December, 1986.

Thornton, E B; McGee, T; Tucker, S P; Burych, D M
Predicting erosion on the recessive Monterey Bay shoreline
Coastal Sediments '87, New Orleans, LA, May, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

Thornton, E B; Sklavidis, A J; Lima Blanco, W; Burych, D M; Tucker, S P; Puccini, D
Coastal erosion along southern Monterey Bay
West Coast Regional Coastal Design Conf., Oakland, CA, Nov. 7-8, 1985.

Tucker, S P; Sexena,; Kumar,
Seafloor benchmark positioning system experiment
Proceedings of the Pacific Conference on Marine Technology Honolulu, 1986.

Washburn, L; Stanton, T P
Finestructure and mixing activity through an upwelling filament
AGU Fall Meeting, San Francisco, CA, December, 1986.

Whitford, D J; Thornton, E B
Measuring wind and wave forcing of longshore currents during SUPERDUCK, a preliminary analysis
Coastal Hydrodynamics, Newark, DE, 1987.

Wu, C -S
On the energy dissipation of breaking waves
ASCE Conf., Coastal Hydrodynamics '87, Newark, DE, June, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONTRIBUTIONS TO BOOKS

Smith, D C; Bird, A A
Factors influencing asymmetry and self advection in ocean eddies
Elsevier Oceanography Series, ed. Nihoul, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

Abdelrahman, S M; Thornton, E B
Changes in the short wave amplitude and wavenumber due to the presence of infragravity waves
Coastal Hydrodynamics, Newark, DE, June, 1987. IN Proc., ASCE, p. 458-478, (1987).

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).

Bannon, P R; Chu, P C
Anelastic semigeostrophic flow over a mountain ridge
Journal of Atmos. Science, pp. 1020-1029, 1988.

Batteen, M
Model simulations of poleward flows along Eastern ocean boundaries
Poleward flows on Eastern Ocean Boundaries Conference, Monterey, CA., Dec. 4-6, 1986.

Batteen, M
Modeling of eddies and jets in the California current system
Eastern Pacific Ocean Conference, Tiburon, California, 14-16 October, 1987.

Batteen, M
Modeling studies of mesoscale processes in the California current system (CCS)
AGU Meeting, San Francisco, California, Dec. 7-11, 1987. In EOS, Trans. Am. Geophys. Union, 68, pg. 1330, 1987.

Batteen, M
On the use of sigma coordinates in large-scale ocean circulation modeling
Ocean Modelling, 77, 3-5, 1988.

Batteen, M; Haney, R L; Mooers, C N K
The influences of the mendocino escarpment, mean flow istabilities and wind forcing on eddy and jet formations in a model of the CCS
Ocean Studies Meeting of AGU, New Orleans, LA, Jan. 13-17, 1986. In EOS, Trans. AM. Geophys, Union, 66, pg. 1259, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS (cont'd)

Batteen, M; Heishman, J L; Mooers, C N K
Sampling strategies in space and time: effect on representation of mesoscale processes in the CCS
AGU Meeting, San Francisco, California, Dec. 10-14, 1986. In EOS, Trans. Am. Geophys. Union, 67 pg. 1048, 1986.

Batteen, M; Holland, W R
Studies of PE-QG intercomparisons, heat diffusion parameterizations, and climate simulations using ocean EGCMS
Research Activities in Atmospheric and Oceanic Modelling (George J. Boer, Editor) WMO CAS/JSC Working Group on Numerical Experimentation, 9, 8.22-8.23, 1986.

Batteen, M L
Modeling studies and sampling sensitivity of mesoscale processes in the California current system. Research activities in atmospheric and oceanic modelling
WMO CAS/JSC Working Group on Numerical Experimentation, 10, 8.34-8.35, 1987.

Batteen, M
A numerical study of wind forcing of eddies and jets in the California current system
Transactions of the American Geophysical Union, 69, 1249, 1988.

Beardsley, R C; Chapmen, D C; Brink, K H; Ramp, S R; Schlitz, R J
The nantucket shoals flux experiment (NSFE79), Part 1: A basic description of the current and temperature variability
Journal of Physical Oceanography, vol. 15, no. 6, pp. 713-748, 1985.

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).

Bourke, R H; Garrett, R P
Sea ice thickness distribution in the Arctic Ocean
Cold Regions Science and Technology, vol. 13, p. 259-280, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS (cont'd)

Bourke, R H; Newton, J L; Paquette, R G; Tunnicliffe, M D
Circulation and water masses of the East Greenland Shelf
J. of Geophysical Research, vol. 92(c7), p. 6729-6740 (June 1987).

Bourke, R H; Paquette, R G
Studies of the marginal ice zone along the East Greenland coast
Naval Research Reviews, vol. 39, no. 1, p. 19-27, (1987).

Bourke, R H; Tunnicliffe, M D; Newton, J L; Paquette, R G; Manley, T O
Eddy near the Molloy Deep revisited
J. of Geophysical Research, vol. 92(c7), p. 6773-6776 (June 1987).

Bourke, R H; Tunnicliffe, M D; Paquette, R G; Newton, J L
Oceanographic observation on the Northeast Greenland Shelf
Ocean Sciences Mtg. of Am. Geophysical Union, New Orleans, LA, Jan. 13-14, 1986.
IN EOS, Trans. Am. Goephys. Union 66(51), p. 1262, (1985).

Bourke, R H; Weigel, A M; Paquette, R G
The Westward turning brance of the West Spitsbergen current
Journal of Geophys. Res., 93(C11): pp. 14065-14077, 1988.

Breaker, L C; Mueller, J L; Wash, C H
Satellite observed changes in sea surface temperature and ocean color resulting from wind forces over the California Current
AGU Ocean Sciences Mtg., New Orleans, LA, Jan. 13-17, 1986.
IN EOS Trans., AGU, vol. 66, no. 51, p. 1258, (Dec. 17, 1985).

Chu, P C
A possible air-ice-ocean coupling model for the formation of leads or polynyas
MIZEX Bull., 7, pp. 79-88, 1986.

Chu, P C
A seabreeze mechanism in the marginal ice zone
EOS, vol. 67, no. 44, p. 1006, (November, 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS (cont'd)

Chu, P C
A seabreeze mechanism in the marginal ice zone
EOS, 67 (44), 1006, 1986.

Chu, P C
An ice-air feedback mechanism for the migration in the marginal ice zone
MIZEX Bulliten, vol. 7, p. 54-64, (March, 1986).

Chu, P C
An instability theory of ice-air interaction for the migration of the marginal ice zone
Geophysical J. of Royal Astronomical Soc., p. 863-883, (October, 1986).

Chu, P C
An air-sea feedback mechanism for quasi-geostrophic water movement near a fast shelf-ice edge with a small curvature
Chinese J. of Atmospheric Sciences, vol. 11, no. 1, p. 32-42, (March, 1987).

Chu, P C
An ice breeze mechanism for an ice divergence-convergence criterion in the marginal ice zone
J. of Physical Oceanography, vol. 17, no. 10, p. 1627-1632, (October, 1987).

Chu, P C
An instability theory of ice-air interaction for the formation of ice edge bands
J. of Geophysical Research, vol. 92, no. C7, p. 6966-6970, (June, 1987).

Chu, P C
Generation of unstable modes of the iceward attenuating swell by icebreeze
J. of Physical Oceanography, vol. 17, no. 6, p. 828-832, (June, 1987).

Chu, P C
A mesoscale air-ice-ocean feedback mechanism for the ice drift in the marginal ice zone
OMAS (IV), pp. 83-90, 1988.

Chu, P C
An instability theory of air-sea interaction for coastal upwelling
Advanced Atmos. Science, 5, Springer-Verlag, New York, pp. 277-285, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS (cont'd)

Chu, P C; Garwood, R W
Comments on a coupled dynamic-thermodynamic model of an ice-ocean system in the marginal ice zone
Journal of Geophys. Res., 93, pp. 5155-5156, 1988.

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).

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; 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).

Dunlap, C R; Mahon, K; Raugust, S C
Near surface wind speed and measurements from an ocean drifting buoy
Fall Annual Mtg., Am. Geophysical Union, San Francisco, CA, Dec. 8-13, 1985.
IN EOS Trans., AGU, vol. 66, no. 46, p. 763-1156, (Nov., 1985).

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).

Garrett, R P; Bourke, R H
Sea ice thickness distribution in the Artic Ocean
Ice Penetration Technology Workshop, Monterey, CA, June 16-19, 1986.
IN Proc., 1986.

Garwood, R W
Unsteady shallowing mixed layer
Proc. 'Aha Huliko'a, Hawaii Institute of Geophysics, p. 119-129, (1987).

Garwood, R W
Comments on 'A coupled dynamic-thermodynamic model of an ice-ocean system in the marginal ice zone
J. Geophys. Res., 93 in press.

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; Gallacher, P C; Muller, P
Reply to comments on wind direction and equilibrium mixed layer depth
J. of Physical Oceanography, vol. 16, p. 171-172, (January, 1987).

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).

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; Christensen, N C
Observations of steady longshore currents in the surf zone
J. of Physical Oceanography, vol. 16, no. 11, p. 1959-1969, (November, 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS (cont'd)

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
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).

Harrison, D E; Semtner, A J
On the generation of deep mean flows-some numerical experiments
Journal of Geophys, Res., 19, pp. 2569-2573, 1986.

Hochevar, A R; Bourke, R H; Henrick, RF
Topographic signal stripping in the Norwegian Sea
U.S. Naval J. of Underwater Acoustics, vol. 35, no. 4, p. 443-454, (1985).

Holland, W R; Batteen, M
The parameterization of subgrid scale heat diffusion in eddy-resolved ocean circulation models
J. of Physical Oceanogr., vol. 16, no. 1, p. 200-206, (Jan., 1986).

Lueck, R G; Osborn, T R
Turbulence measurements in a submarine canyon
Continental Shelf Res., vol. 4, p. 681-698, (1985).

Martens, D E; Thornton, E B
Nearshore zone monitoring system
Coastal Hydrodynamics, Newark, DE, June, 1987.
IN Proc., ASCE, p. 579-588, (1987).

Mcgee, N L; Collins, C A; Carpenter, G H
An AXBT survey off Mindanao and Halmahera
Transactions American Geophysical Union, 69(44), pp. 1249, 1988.

McManus, J J; Garwood, R W; Dunlap, C R
Coupled mixed layer - acoustic model
Ocean Sci. Mtg., New Orleans, LA, Jan. 13-17, 1986.
IN EOS Trans., AGU, vol. 66, no. 51, p. 1227-1352, (Dec., 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS (cont'd)

Mettlach, T R; Haney, R L; Garwood, R W; Ghan, S J
The response of the upper ocean to a large summertime injection of smoke in the atmosphere
J. of Geophysical Research, vol. 92, no. C2, p. 1967-1974, (February, 1987).

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
Nimbus-7 CZCS: Confirmation of its radiometric decay rate through 1982
Appl. Optics, vol. 24, p. 1043-1047, (1985).

Muller, P; Garwood, R W
Review of mixed layer dynamics - Progress and new directions.
Oceanography Report of Trans. Am. Geophys, Union, 69, in press.

Nystuen, J A
Validation of satellite derived precipitation measurements in Canada
Intl. Workshop on Validation of Satellite Derived Precipitation Measurements, Washington, DC, November, 1986.
IN Proc., WMO, (1987).

Nystuen, J A; Farmer, D M
The influence of wind on the underwater sound generated by light rain
J. of Acoustical Soc. of America, vol. 82, no. 1, p. 270-274, (July, 1987).

Nystuen, J A; Farmer, D M
The sound generated by precipitation striking the ocean surface
Sea Surface Sound, ed. B.R. Kerman, Kluwer, July, 1988.

Osborn, T R; Lueck, R G
Turbulence measurements from a submarine
J. of Phys. Oceanogr., vol. 15, p. 1501-1520, (1985).

Osborn, T P; Lueck, R G; Sullivan, T C
Diapycnal mixing in the central gyre
Hawaiian Winter Workshop, University of Hawaii - Manoa, Jan., 1985.
IN Proc., (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS (cont'd)

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).

Rago, T A; Collins, C A; Chavez, F
Hydrographic measurements off Point Sur
Transactions, American Geophysical Union, 69(44), pp. 1249, 1988.

Ramp, S R; Schlitz, R J; Wright, W R
On the deep flow through the Northeast Channel, Gulf of Maine
Journal of Physical Oceanography, vol. 15, no. 12, pp. 1790-1808, 1985.

Richardson, P L; Collins, C A
Preliminary results from WEPOCS drifters
Transactions, American Geophysical Union, 69(44), pp. 1227, 1988.

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).

Semtner, A J
A numerical study of sea ice and ocean circulation in the Arctic
J. of Physical Oceanography, vol. 17, p. 1077-1099, (August, 1987).

Smith, D C
A numerical study of loop current eddy interaction with topography in the western Gulf of Mexico
J. of Physical Oceanogr., vol. 16, no. 7, p. 1260-1272, (Jul., 1986).

Smith, D C
The behavior of isolated eddies in a regional mesoscale numerical model
Spring Mtg., Am. Geophysical Union, Baltimore, MD, Apr., 1986.
IN EOS, AGU, p. 293, (Apr., 1986).

Smith, D C; Bird, A A
A numerical study of isolated eddy interaction with a marginal ice zone
American Geophysical Union Fall Meeting, San Francisco, CA, December, 1986.
IN Proc., AGU, (1986).

Smith, D C; Bird, A A; Budgell, W P
A numerical study of mesoscale ocean eddy interaction with a marginal ice zone
Journal of Geophys. Res., 93, pp. 12461-12475, 1988.

Stanton, T P
Recent advances in oceanic velocity measurements using acoustic doppler techniques
Center for Water Research Seminar, February, 1988.

Stanton, T P; Stockel, J
Reaxation of the CTZ 88 domain
Trans. American Geophysical Union, 69, pp. 1260, 1988.

Stanton, T P; Washburn, L
Velocity shear and thermohaline structure through an upwelling filament
Transactions American Geophys., Union 67, pp. 1048, 1986.

Stockel, J; Stanton, T P
Preliminary results of a CTD/ADCP survey in the CTZ domain during July 21-27, 1988
Coastal Transition Zone Newsletter, 3, 4, 1988.

Thornton, E B; Guza, R T
Surf zone longshore currents and random waves: Field data and models
J. of Phys. Oceanogr., vol. 16, no. 7, p. 1165-1178, (July, 1986).

Thornton, E B; McGee, T; Tucker, S P; Burych, D M
Predicting erosion on the recessive Monterey Bay shoreline
ASCE Conf., Coastal Sediments '87, May, 1987.
IN Coastal Sediments '87, ASCE, p. 1809-1824, (1987).

Thornton, E B; Sklavidis, A J; Lima Blanco, W; Burych, D M; Tucker, S P; Puccini, D
Coastal erosion along southern Monterey Bay
West Coast Regional Coastal Design Conf., Oakland, CA, Nov. 7-8, 1985.
IN Proc., West Coast Regional Coastal Design Conf., U.S. Army Engineering Waterways Experiment Station, p. 390-401, (1985).

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; Redalje, D G; Garwood, R W
Chemical flux and upwelling fronts in the California coastal zone
Continental Shelf Research, vol. 7, p. 89-105, (1987).

Tucker, S P; Moore,; Honey,; Hancock,; Damron,; Hilbers,
Instrumentation for measuring in-situ sea truth for laser radar application
SPIE Ocean Optics VII, 343-354, 1984.

Tucker, S P; Sexena,; Kumar,
Comparison of GPS receivers, accuracy for marine positioning
Proceedings of the Pacific Conference on Marine Technology, Honolulu, 1986.

Tucker, S P; Spielvogel,; Saxena,; Kumar,
Seafloor benchmark positioning system experiment
Proceedings of the International Symposium on Marine Positioning, pg. 337-348, Reidel Publishing Company, Dordrecht, 1987.

Washburn, L; Stanton, T P
Finestructure and mixing activity through an upwelling filament
Transactions American Geophys., Union 67, pp. 1068, 1986.

Whitford, D J; Thornton, E B
Measuring wind and wave forcing of longshore currents during SUPERDUCK, a preliminary analysis
Coastal Hydrodynamics, Newark, DE, 1987.
IN Proc., ASCE, p. 589-602, (1987).

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; Thornton, E B
Wave numbers of linear progressive waves
J. of Waterways, Port Coastal and Ocean Engineering, vol. 112, no. 4, p. 536-540, (July, 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS (cont'd)

Wu, C -S; Thornton, E B
Wavenumber of linear water waves
J. of Waterway, Port, Coastal and Ocean Division, vol. 112, no. 4, p. 536-540, (July, 1986).

Wu, C -S; Thornton, E B
3-d model of Bathymetric response to structures, discussion
J. of the Waterway, Port, Coastal and Ocean Division-American Study of Civil Engineers, vol. 12, no. 5, p. 543-546, (November, 1986).

Wu, C -S; Thornton, E B
3-d model of Bathymetric response to structures, discussion
J. of the Waterway, Port, Coastal and Ocean Division-American Study of Civil Engineers, vol. 12, no. 5, p. 543-546, (November, 1986).

Wu, C -S; Thornton, E B; Gill, M J
Modeling of sediment transport in the vicinity of structure
J. of Waterway, Port, Coastal and Ocean Division, vol. 113, no. 4, p. 543-546, (September, 1987).

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).

Wu, C S; Thornton, E B
A discussion on 3-D model of shoreline response to structure
J. of Waterways, Port, Coastal and Ocean Engineering, vol. 112, no. 5, pp. 543-546. 1986.

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.

Bourke, R H
Preliminary results of the oceanographic cruise of CCGS SIR JOHN FRANKLIN to Baffin Bay and Nares Strait, September 1986
Sponsored by Arctic Submarine Laboratory, San Diego, CA. Naval Postgraduate School, (NPS-68-86-010), Nov., 1986. 14 p.

Bourke, R H; Paqueete, R G; Addison, V G
MIZLANT 86 data report: Results of oceanographic cruise to Northern Baffin Bay and Nares Strait in September 1986
Prepared for the Naval Postgraduate School, Monterey, CA., NPS68-88-004, April, 1988.

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.

Bourke, R H; Paquette, R G; Weigel, A M
Results of an oceanographic cruise to the Greenland Sea, September 1985
Sponsored by Arctic Submarine Laboratory. Naval Postgraduate School, (NPS-68-86-007), Sept., 1986.

Breaker, L C
A note on processing sea level data
Sponsored by Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-68-86-005), Aug. 1, 1986.

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.

Ciandro, M L; Wittman, P S; Bird, A A; Mooers, C N K
Hydrographic data from the OPTOMA program, OPTOMA20, 16 March - 6 May, 1986
Sponsored by Office of Naval Res. Naval Postgraduate School, (NPS-68-86-008), Nov., 1986. 183 p.

Ciandro, M L; Wittmann, P A; Bird, A A; Mooers, C N K
Hydrographic data from the OPTOMA program, 27 July - 5 August, 1986
Sponsored by Office of Naval Res. Naval Postgraduate School, (NPS-68-86-012), Dec., 1986. 48 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.

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; Raugust, S C; Brainard, R E
Bottom moored current meter data from the southeast hancock seamount in April 1987
Prepared for Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-68-88-008), June 1988

Jennings, K E; Dunlap, C R; Rowe, N C
Design guidelines for a rule based passive surveillance system.
Sponsored by Space and Naval Warfare Systems, Naval Postgraduate School, (NPS-52-86-020), Sept., 1986. 50 p.

Johnson, C R; Batteen, M; Haney, R L
Ocean prediction in the California coastal region using a high resolution primitive equation model
Prepared for the Naval Postgraduate School, Monterey, CA., NPS68-88-007, 1988. 43 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

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.

Mooers, C N K; Johnson, E; Wittmann
Hydrographic data from the OPTOMA program OPTOMA23 9-19 November 1986
Chief of Naval Research, (NPS-68-88-001), January 1988, 88 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; 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.

Stockel, J A; Mueller, J L; Pak, H; Menzies, D
Data from the Optical Dynamics Experiment (ODEX), R/V Acania expedition of 10 Oct thru 17 Nov 1982: Vol. 1: CTD and OPTICS profiles
Sponsored by Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-68-86-013), Dec. 30, 1986. 271 p.

Tielking, T A; Batteen, M
Wind forcing of eddies and jets in the California current system
Prepared for the Naval Postgraduate School, Monterey, CA., NPS68-88-006, 1988. 107 p.

Tunnicliffe, 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.

Weigel, A M; Bourke, R H; Paquette, R G
Mesoscale variability in the West Spitsbergen Current and adjacent waters of the Greenland Sea
Sponsored by Arctic Submarine Lab., San Diego, CA, Naval Postgraduate School, (NPS-68-87-002), Dec., 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

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.

Wittman, P A; Mooers, C N K
Hydrographic data from the OPTOMA program, OPTOMA19, 8-13 February, 1986
Sponsored by Office of Naval Res. Naval Postgraduate School, (NPS-68-86-003), May, 1986. 40 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.

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, 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.

Wittmann, P A; Colton, M C; Rendine, JJ; Mooers, C N K
Hydrographic data from the OPTOMA program, OPTOMA18, 31 October and 2 November 1985
Sponsored by Office of Naval Res. Naval Postgraduate School, (NPS-68-86-001), Dec., 1985. 48 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.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

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.

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.

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.

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, DC. Naval Postgraduate School, (NPS-68-86-002), July, 1986. 106 p.

DEPARTMENT
OF
OPERATIONS RESEARCH

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS

Al-Zayani, A; Gaver, D P; Richards, F R
Formulation and analysis of combat logistic problems
Joint Natl. Meeting TIMS/ORSA, New Orleans, LA, May, 1987.

Bailey, M P
K-trigger networks used in the analysis of air defense systems
ORSA/TIMS Meeting, Denver, October 22, 1988.

Bailey, M P
Performance of integrated air defense systems
MORS Annual Meeting, Monterey, June 26, 1988.

Barr, D R
The T&E endgame: New directions
Int. Test and Evaluation Asso., Monterey, CA, Sept. 18, 1986.

Baush, D O; Brown, G G; Hundley, D R; Rapp, S H; Rosenthal, R E
Mobilizing Marine corps officers
ORSA/TIMS Joint National Meeting, Denver, October, 1988.

Bradley, G H
A type calculus for integrating models
Western Managment Science Institute, Los Angeles, December 1, 1987.

Bradley, G H
Capital budgeting in the telephone industry
ATIMS CPMS 15th Ann. Summer Workshop, Reston, VA, September, 1987.

Bradley, G H
A type calculus for integrating models
University of North Carolina, Chapel Hill, March 22, 1988.

Bradley, G H
Data formats for mathematical programming
ORSA/TIMS Fall Meeting, Denver, October 24-26, 1988.

Bradley, G H
Mathematical programming modeling project - overview
IMPS Roundtable, Denver, October 27, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

Bradley, G H; Clemence, R
A type calculus for integrating models
ORSA/TIMS Spring Meeting, Washington, D. C., April 25-27, 1988.

Bradley, G H; Clemence, R
Model integration with a typed executable modeling language
21st Annual Hawaii International Conference on System Science, Honolulu, January 5-8, 1988.

Brown, G G
Perspectives on optimization
New Zealand Operations Research Soc., Wellington, New Zealand, August, 1987.

Brown, G G
Tutorial: An optimization-based system for guiding disaster relief
ORSA/TIMS, New Orleans, LA, May, 1987.

Brown, G G; Ellis, C; Graves, G; Ronen, D
Wide area dispatch of Mobil's tank trucks
1986 Manage. Sci. Achievement Award Competition, Los Angeles, CA, Apr. 13 1986.

Brown, G G; Goodman, C E; Wood, R K
Annual scheduling of Atlantic fleet Naval combatants
EUROIX TIMS XXVIII Joint International Conference, Paris, July 6-8, 1988.

Brown, G G; Graves, G; Harrison, T; Craber, R; Larson, J; Park, R
Large-scale production planning in the pharmaceutical industry
EURO IX TIMS XXVIII Joint International Conference, Paris, July 6-8, 1988.

Brown, G G; McBride, R D; Wood, K
Computational methods in the projective linear programming algorithm
ORSA/TIMS Joint Nat. Mtg., Los Angeles, CA, Nov. 4-6, 1985.

Brown, G G; Staniec, C; Wood, K
Solving the multicommodity transhipment problem
ORSA/TIMS, New Orleans, LA, May, 1987.

Clemence, R; Teufert, W; Brown, G G
Phoenix: Developing and evaluating Army aviaiton modernization policies using mixed integer linear programming
27th U.S. Army O.R. Symposium, Fort Lee, October 12-13, 1988.

Coffman, E G; Flatto, L; Gaver, D P
Performance analysis of a buffer under locking protocols
4th International Conference on Modelling Techniques and Tools for Computer Performance Evaluation, Palma, Mallorca, September, 1988.

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.

Eagle, J N
Estimating the probability of a diffusing target encountering a stationary sensor searcher
Naval Postgraduate School Oper.Res. Dept. Seminar, Monterey, CA, Oct. 9, 1985.

Eagle, J N
Estimating the probability of a diffusing target encountering a stationary sensor
Operations Res. Soc. of Am., Los Angeles, CA, Apr. 15, 1986.

Eagle, J N
An optimal branch-and-bound procedure for the constrained path, moving target search problem
6th International Conference on Mathematical Modelling, August 3-6, 1987.

Esary, J D
Intecral and shorthand formulations of small system survival functions
Army Research Office System Reliability Workshop, George Washington University, March, 1985.

Esary, J D
Reliability and maintainability at the Naval Postgraduate School
55th Symp., Military Operations Research Society, Montgomery, AL, May, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

Gaver, D P; Coffman, E G
Buffers and mailboxes
SIAM Conf., Paris, France, July, 1987.

Gaver, D P; Harris, B
A stastical overview of PRA methodology
147th Ann. Mtg. of the American Statistical Assoc., San Francisco, CA, August, 1987.

Gaver, D P; Jacobs, P A
Statistical estimation of the probability of long queueing delay
Joint Nat. Mtg., ORSA/TIMS, Atlanta, GA, Nov., 1985.

Gaver, D P; Jacobs, P A
On influence and transient response for M/G/1 models
Int. Seminar on Teletraffic Analysis and Computer Performance Evaluation, Amsterdam, Holland, June, 1986.

Gaver, D P; Jacobs, P A
Estimation of measures of performance for a queueing models
ORSA/TIMS Joint National Meeting, St. Louis, October 25-28, 1987.

Gaver, D P; Jacobs, P A
Modeling and data analysis of system availability revisited
TIMS/ORSA Joint National Meeting, Washington, D.C., April 25-27, 1988.

Gaver, D P; Jacobs, P A
Statistical estimation of measures of performance for queues
Institute of Mathematical Statistics sponsored Symposium on Probability and its Application, Fort Collins, August 16-19, 1988.

Gaver, D P; Jacobs, P A; Purdue, P
Modelling and scheduling network growth
Joint National Meeting, Denver, October 24-26, 1988.

Hearn, D W; Lawphongpanich,
Lagrangian dual ascent by generalized linear programming
TIMS/ORSA Joint National Meeting, Washington, DC, Aoril 25-27, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

Ignizio, J P
Multiplex models and GP
Western Am. Inst. for Decision Sciences, Monterey, Calif., Mar. 16, 1985.

Ingber, L
Statistical mechanics algorithm for response to targets (SMART)
Workshop on Uncertainty and Probability in Artificial Intelligence, UCLA, Los Angeles, CA, Aug. 14-16, 1985.

Ingber, L
Applications of biological intelligence to command, control and communications
Computer Simulation in Brain Science, Copenhagen, Denmark, Aug. 20-22, 1986.

Ingber, L
Nonlinear nonequilibrium statistical mechanics approach to c
9th MIT/ONR Workshop on C-3 Systems, Naval Postgraduate School, Monterey, CA, December, 1986.

Ingber, L
Nonlinear nonequilibrium statistical mechanics approach to c3 systems
9th MIT/ONR Workshop on C3 Systems, Naval Postgraduate School, Monterey, CA, June 2 - 5, 1986.

Ingber, L
Riemannian contributions to velocity-dependent nucleon-nucleon interaction
Spring Mtg. of the Am. Phys. Soc., Washington, DC, Apr. 28 - May 1, 1986.

Ingber, L
Statistical mechanics of neocortical interactions
Spring Mtg. of the Am. Phys. Soc., Washington, DC, Apr. 28 - May 1, 1986.

Ingber, L
Statistical mechanics application of biological intelligence
1987 Symp. on C3 Research, National Defense Univ., June, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

Ingber, L
Statistical mechanics of mesoscales in neocortex and in C3 systems
Sixth Intl. Conf. on Mathematical Modelling, St. Louis, MO, August, 1987.

Jacobs, P A; Gaver, D P
On estimating measures of performance for queues and survival models
16th Conf. on Stochastic Processes and Their Applications, Stanford Univ., CA, August, 1987.

Jacobs, P A; Thomas, L C; Gaver, D P
Inspection policies for deteriorating units with symptomatic emision
16th Conf. on Stochastic Processes and Their Applications, Stanford Univ., CA, August, 1987.

Johnson, L
Smoothing spatial data by estimating mean local variance
American Statistical Association, New Orleans, August, 1988.

Larson, H J
CEMS IV OAP algorithm
Spectroscopic Oil Analysis Technology Conf., Palm Beach Gardens, March, 1987.

Lewis, P A W
Algorithms for generating non-normal stochastic processes
Computer Science/Statistics Interface, Philadelphia, PA, March, 1987.

Lewis, P A W
Smarter control variables
Computer Science Seminar, Yorktown Heights, NY, April, 1987.

Lewis, P A W
SIMTBED: A portable graphical output analysis program for simulation
Gregynog Birmingham/Wales Universities Ann. Conf., Gregynog, Scotland, April, 1987.

Lewis, P A W
SIMTBED: A portable graphical output analysis program for simulation
NSF Special Seminar, Washington, DC, March, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

Lewis, P A W
SIMTBED: A portable graphical output analysis program for simulation
Mathematics Seminar, Univ. of Strathclyde, Scotland, May, 1987.

Lewis, P A W
Variance reduction using conditional expectation and the beta-gamma transform
London Universities Seminar, London, England, April, 1987.

Lewis, P A W
Variance reduction using conditional expectation and the beta-gamma transform
ORSA National Meeting, New Orleans, LA, May, 1987.

Lewis, P A W
Smarter control variables
IMSL Mathematical/Statistics Seminar, Houston, TX, May, 1987.

Lewis, P A W
Gamma processes
University of London Seminars, London, July, 1988.

Lewis, P A W
Nonlinear control for variance reduction
International or Societies Meeting, Paris, June, 1988.

Lewis, P A W
Nonlinear control for variance reduction
Winter Simulation Conference, Atlanta, December, 1987.

Lewis, P A W
Super Simtbed: A program for the analysis of simualtion output
University of Strathclyde, Scotland, June, 1988.

Lewis, P A W
Super Simtbed: A program for the analysis of simulation output
American Statistical Association Annual Meeting, New Orleans, August, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

Lindsay, G F
Alternative approaches to multiple criteria decision problems
55th Military Operations Research Symp., Montgomery, AL, May, 1987.

McCullers, W T; Wood, K
Factoring and decomposition for probabilistic analysis of fault trees
3rd SIAM Conf. on Discrete Mathematics, Clemson, SC, May 14-16, 1986.

Mensh, D R; Sweet, R; Cooper, A W; Sovereign, M G
Applications of modular command and control evaluation structure for integrating electro-optics technology into Navy battle groups
Conf. on Military Applications of Electro-Acoustic-Optic (EAO) Technology, Naval Training Center, Orlando, FL, Apr. 1-4, 1986.

Parry, S H
Network methodology for the AirLand Research Model
54th Military Operations Res. Symp., Ft. McNair, Washington, DC. June 24, 1986.

Parry, S H
Combat scoring systems: Summary of MORS workshop findings
TIMS/ORSA Joint National Meeting, New Orleans, LA, May, 1987.

Parry, S H
Future state decision making in airland combat models
55th Military Operations Research Symp., Maxwell AFB, Alabama, May, 1987.

Parry, S H
Mapping of high resolution terrain data to network's
56th MORS, Monterey, June 28-30, 1988.

Poock, G K
A statistical analyses of retinal blood vessel pattern parameters
Biometrics Conf., Sandia Labs, Albuquerque, NM, 1986.

Poock, G K
An overview of the technology and applications of automatic speech recognition and synthesis in the U.S. and other countries
Human Factors Soc. Ann. Conf., Dayton, OH, October, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

Poock, G K
Computer speech recognition: Past, present, future
Computer Technology Conf., American Speech Language Hearing Association, Houston, TX, February, 1987.

Poock, G K; Blackstone, S W
Speech I/O: An overview of applications in augmentative communication
AVIOS'86 Voice I/O Systems Applications Conf., Alexandria, VA, Sept., 1986.

Purdue, P
Variability in compartmental systems conference of Irish statisticians
Northern Ireland, March 24-25, 1988.

Rockower, E B
Reliability in a random environment
ORSA/TIMS Joint National Meeting, New Orleans, LA, May, 1987.

Rosenthal, R E
Representing inverses in pure network optimization
ORSA/TIMS Joint Nat. Mtg., Atlanta, GA, Nov. 4-6, 1985.

Rosenthal, R E
An implicit/explicit approach to multiobjective optimization with an application to forest management planning
Canadian Operations Res. Soc., Toronto, Canada, June 2-4, 1986.

Rosenthal, R E
Using an algebraic modeling language (GAMS) for the formulation, solution, and analysis of optimization problems
University of Michigan, September, 1987.

Taylor, J G
Soviet theory of troop control
4th Annual FTD/NPS C3 Workshop, Naval Postgraduate School, Monterey, CA, Oct. 8-10, 1985.

Taylor, J G
Lanchester-type models: Subsequent developments
Military Conflict Inst. Workshop on the Basic Nature of Lanchester/Lanchester-Like Equations, NASA-CALTECH Jet Propulsion Laboratories, Pasadena, CA, Aug. 15-17, 1986.

Taylor, J G
Soviet theory of troop control: Soviet conceptualization of command and control
Fifth Ann. FTD/NPS C3 Workshop, Wright-Patterson AFB, December, 1986.

Taylor, J G
Soviet theory of troop control: The Soviet view of command and control
54th Military Operations Res. Symp., National Defense Univ., Washington, DC, June 26, 1986.

Taylor, J G
Soviet air-defense concepts
ITEAMS Meeting, Huntsville, AL, June, 1987.

Washburn, A R
A dynamic search game
23rd Gregynog Statistical Conf., Gregynog, Wales, April, 1987.

Washburn, A R
Dynamic search games
Scottish and Northumbrian Accademic Statistical Meeting, Aberdeen, Scotland, May, 1987.

Washburn, A R
On symmetry in modeling
Operational Research Group of Scotland, Univ. of Edinburgh, London, England, December, 1987.

Wood, K
The complexity of extracting embedded structures from linear programs
ORSA/TIMS Joint Natl. Meeting, Miami, FL, October, 1986.

Wood, K; Brown, G G; Goodman, C
Annual Scheduling of surface combatants at the U.S. Atlantic Fleet
ORSA/TIMS, Miami, FL, Oct. 27, 1986.

Wood, K; Brown, G G; Staniec, C J
Solving the multicommodity flows problem
TIMS/ORSA Joint National Meeting, New Orleans, LA, May, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

Wood, K; DeWolfe, D
Optimal allocation of selective reenlistment bonuses in the U.S. Marine Corps
ORSA/TIMS Joint National Meeting, Miami, FL, October, 1986.

Wood, K; Lewis, P A W; Ressler, R
Smarter control variables: Regression adjusted linear and nonlinear controls
1987 Winter Simulation Conf., Atlanta, GA, December, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONTRIBUTIONS TO BOOKS

Bradley, G H
Cognitive science view of software engineering
IN N. E. Gibbs and R. E. Fairley, eds.: Software Engineering Education, New York, NY, Springer-Verlag, 1987, p. 35-51.

Gaver, D P; Lehoczky, J P
Statistical inference for random parameter markov population process models
IN E. Gelfand, ed.: Contributions to the Theory and Application of Statistics, New York, NY, Academic Press, 1987, p. 75-99.

Hughes, W P
Fleet tactics : Theory and practice
Naval Inst. Press, Nov., 1986. 314 p.

Ignizio, J P
Introduction to Linear goal programming
Sage Publication, (Quantitative Applications in the Social Sciences, no. 56), 1985. 100+ p.

Lewis, P A W; Orav, E J
Simulation methodology for statisticians
Operations Analysts and Engineers, 1, Wadsworth and Brooks/Cole, 1988.

Washburn, A R
Search theory
IN Golden Developments in Operational Research, by L. C. Thomas, Washington, DC, Pergamon Press, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS

Barr, D R
Application of the combined distribution method for measuring minuteman accuracy (discussion)
IN Proc. of the 54th Military Operations Res. Symp., (June, 1986).

Barr, D R
Use of computers in teaching statistics (invited paper)
IN Proc. of the 2nd Int. Conf. on Teaching Statistics, (Aug., 1986).

Bausch, D; Brown, G G
NDP FORTRAN and phar lap tools
OR/MS Today, 15, no. 3, pp. 20-25, June, 1988.

Bradley, G H; Clemence, R
A type calculus for executable modeling languages
IMA Journal of Mathematics in Management, 1 pp. 277-291, 1988.

Bradley, G H; Clemence, R
Model integration with a typed executable modeling language
Proceedings of the 21st Annual Hawaii International Conference on System Sciences, III, IEEE Computer Society, Washington, D.C., pp. 403-410, 1988.

Breaker, L C; Lewis, P A W
A 40-50 day oscillation in sea-surface temperature along the central California coast
Estuarine, Coastal, Shelf, Science, 26, pp. 395-408, 1988.

Brown, G G
Operations Research in optimization at the Naval Postgraduate School
Naval Research Reviews, 39, pp. 9-13, 1987.

Brown, G G; Ellis, C; Graves, G; Ronen, D
Real-time, wide area dispatch of mobil tank trucks
Interfaces, vol. 17, no. 1, p. 107-120, (1987).

Brown, G G; Graves, G; Honczaranko, M
Design and operation of a multicommodity production/distribution system using primal goal decomposition
Management Science, vol. 33, no. 11, (November, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS (cont'd)

Brown, G G; Graves, G; Ronen, D
Scheduling ocean transportation of crude oil
Management Science, vol. 33, no. 3, p. 335-346, (1987).

Brown, G G; McBride, R; Wood, K
Extracting embedded generalized networks from linear programming problems
Mathematical Programming, 32, 1985. 11 p.

Brown, G G; McBride, R D; Wood, K
Extracting embedded generalized networks from linear programming problems
Mathematical Programming, vol. 32, pp. 11-31, 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).

Eagle, J N
Estimating the probabiltiy of a diffusing target encountering a stationary sensor
Naval Reseach Logistics Quarterly, vol. 34, pp. 43-51, 1987.

Gaver, D P; Jacobs, P A
On influence and transient response for M/G/1 models
Int. Seminar on Teletraffic analysis and Computer Performance Evaluation, Amsterdam, Holland, June, 1986.
IN Teletraffic Analysis and Computer Performance Evaluation, Elsevier Sci. Pub., B.V. (North-Holland), p. 163-170. (1986).

Gaver, D P; Jacobs, P A
Nonparametric estimation of the probability of a long delay in the M/G/1 queue
Journal of the Royal Statistical Society, Series B, 50, pp. 392-402, 1988.

Gaver, D P; Lehoczky, J P
Statistical analysis of hierarchical stochastic models: Examples and approaches
Annals of Operations Research, vol. 8, p. 217-227, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS (cont'd)

Gaver, D P; O'Muircheartaigh
Robust empirical bayes analysis of event rates
Technometrics, vol. 29, p. 1-15, February, 1987.

Gilbert, K C; Holmes, D D; Rosenthal, R E
A multiobjective discrete optimization model for land allocation
Manage. Sci., vol. 13, no. 12, p. 1509-1522, (Dec., 1985).

Harrison, T P; Rosenthal, R E
A multiobjective optimization approach for scheduling timber harvest on nonindustrial private forestlands
TIM Studies in the Management Sciences, vol. 21, p. 269-283, (1986).

Hughes, W P
Garbage cans at sea
Chapter in Ambiquity in Command: Organizational Perspectives on Military Decisions Making, ed. by J.P. March and R. Weissinger-Baylon, Pitman, Marshfield, Mississippi, 1985.

Hughes, W P
Naval tactics and their influence on strategy
Naval War College Rev., vol. 34, no. 1, (Jan.-Feb., 1986).

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.
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).

Ingber, L
Towards clinical applications of statistical mechanics of neocortical interactions
Innovation et Technologie en Biologie et Medicine, vol. 6, no. 6, p. 735-758, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS (cont'd)

Ingber, L
Noise-reduced extrema in time-dependent Giwborg-Landau systems
Mathematical Modeling, vol. 7, p. 525-528, (1986).

Ingber, L
Nonlinear nonequilibrium statistical mechanics approach to c
9th MIT/ONR Workshop on C-3 Systems, Monterey, CA, December, 1986.
IN Proc., MIT/ONR Workshop, (1986).

Ingber, L
Nonlinear nonequilibrium statistical mechanics approach to c3 systems
9th MIT/ONR Workshop on C3 Systems, Naval Postgraduate School, Monterey, CA, June 2-5, 1986.
IN Proc., MIT, 22 p. (1986).

Ingber, L
Ricmannium contributions to short ranged velocity-dependent nucleon-nucleon interactions
Physical Review D, vol. 33, p. 3781-3784, (1986).

Ingber, L
Riemannian contributions to velocity-dependent nucleon-nucleon interaction
Spring Mtg. of the Am. Phys. Soc., Washington, DC, Apr. 28 - May 1, 1986.
IN Bull. Am. Phys. Soc., AIP, p. 869, (1986).

Ingber, L
Statistical mechanics of neocortical interactions
Spring Mtg. of the Am. Phys. Soc., Washington, DC, Apr. 28 - May 1, 1986.
IN Bull., Am. Phys. Soc., AIP, p. 868, (1986).

Ingber, L
Statistical Mechanics Algorithm for Response to Targets (SMART)
Workshop on Uncertainty and Probability in Artificial Intelligence, UCLA, Los Angeles, CA, Aug. 14-16, 1985.
IN Proc., AAAI-RCA, p. 258-264, (1986).

Jacobs, P A
First passage times for combinations of random loads
SIAM J. Applied Mathematics , vol. 46, no. 4, p. 643-656, (Aug., 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS (cont'd)

Jacobs, P A; Thomas, L C; Gaver, D P
Optimal inspection policies for standby systems
Communications in Statistics, Stochastic Models, vol. 3, p. 259-273, (1987).

Lewis, P A W; Lawrance, A J
Higher order residual analysis for nonlinear time series with autoregressive correlation structure
Intl. Statistical Review, vol. 55, p. 21-35, (1987).

Poock, G K
A longitudinal study of five year old speech reference patterns
J. of the Am. Voice I/O Soc. vol. 3, p. 13-18, (June, 1986).

Poock, G K; Blackstone, S W
Speech I/O: An overview of applications in augmentative communication
AVIOS'86 Voice of I/O Systems Applications Conf., Alexandria, VA, Sept., 1986.
IN Proc., American Voice I/O Soc., (Sept., 1986).

Read, R R
Remote monitoring of the calibration of a system of tracking arrays
IEEE J. of Oceanic Engineering, vol. OE-12, no. 1, January, 1987.

Rockower, E B
Laser beam-quality/aperture shape sealing relation
Applied Optics, vol. 25, no. 9, 1394-1397, (May, 1986).

Rockower, E B;
A relativistic mass tensor with geometric interpretation

Rosenthal, R E
Representing inverses in pure network flow optimization
European Journal of Operational Research, vol. 23, pp. 356-366, 1986.

Rosenthal, R E
Review of the GAMS/MINOS modeling language and optimization program
ORM/MS Today, vol. 13, no. 3, p. 24-32, (June, 1986)

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS (cont'd)

Rosenthal, R E; Gilbert, K C; Holmes, D D
A multiobjective discrete optimization model for land allocation
Management Science, vol. 31, pp. 1509-1522, 1985.

Rosenthal, R E; Harrison, T P
A multiobjective optimization program for scheduling timber harvests on nonindustrial private forest lands
TIMS Studies in the Management Sciences, vol. 21, Systems Analysis in Forestry and Forest Industries, pp. 269-283, 1986.

Rosenthal, R E; Paiboon, C; Puakpong, P
Optimal ship routing and personnel assignment for vanal recruitment in Thailand
Interfaces, vol. 16, no. 4, pp. 47-52, 1986.

Sovereign, M G; Stewart, J S
Experimental gaming for command control and communications
LIDS-R-1624, p. 7, (Dec., 1986)

Washburn, A R
Test and evaluation education at NPS
The ITEA Journal of Test and Evaluation, VI, 32-33, 1985.

Washburn, A R
Golden developments in operational research
Search Theory, Pergamon Press Publishers, pp. 67-81, 1987.

Washburn, A R; Daly, P H
Comments on Accuracy and tactical implications of bearings-only ranging algorithms
Operations Research, vol. 33, p. 104-106, (1985).

Wood, K
A factoring algorithm for computing K-terminal reliability
Networks, vol. 15, pp. 173-190, 1985.

Wood, K
A factoring algorithm using polygon-to-chain reductions for computing K-terminal network reliability
K-Terminal Network Reliability Networks, vol. 15, pp. 173-190, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS (cont'd)

Wood, K
Factoring algorithms for computing K-terminal network reliability
IEEE Transactions on Reliability, vol R-35, no. 3, pp. 269-278, August, 1986.

Wood, K
Factoring Algorithms for computing K-terminal network reliability
IEEE Trans. on Reliability , vol. R-35, no. 3, p. 269-278, (Aug., 1986)

Wood, K; Satyanarayana, A
A linear-time algorithm for computing K-terminal reliability in series-parallel graphs
SIAM Journal on Computing, vol. 14, no. 4, pp. 818-832, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES

Andrus, A F
Review and recommendations for Tactical Information Management System II proposed development
Sponsored by Chief of Naval Operations OP-953. Naval Postgraduate School, (NPS-55-86-019), Oct., 1986.

Andrus, A F; Shudde, R H
Computer Aided Stationing Tool (CAST) Preliminary Technical evaluation
Sponsored by CNO OP-953: Director of Tactical Readiness. Naval Postgraduate School, (NPS-55-85-027), Nov., 1985. 29 p.

Barr, D R; King, R
Data analysis plan for Light Armored Vehicle Phase III testing
Sponsored by Advanced Technology, Inc. ATI Technical Report, Dec., 1985. 21 p.

Barr, D R; Richards, F R
A literature review for evaluating Directed Energy Weapon Systems Operations Research, Inc., Alexandria, Virginia
Sponsored by ORI Res. Report, Contract DA AL02-85-D0089, Dec., 1985. 26 p.

Barr, D R; Richards, F R
Light Armored Vehicle follow-on operational test and evaluation: Report on Phase II (statistical report, Annex F)
Sponsored by Advanced Technology Inc. ATI Test Report, Jan., 1986. 37 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.

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 partial evaluation of the Integrated Tactical Decision Aid (ITDA) System
Prepared for Naval Air Development Center, Warminster, PA. Naval Postgraduate School, (NPS-55-86-026), Dec., 1986. 20 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

Eagle, J N
SUBSUB - a submarine engagement model
Sponsored by Naval War College, Newport, RI. Naval Postgraduate School, (NPS-55-86-005), Mar., 1986. 26 p.

Eagle, J N
A Lanchester model of submarine attack on a carrier battle group
Naval Postgraduate School Project Report, (NPS55-87-011), September, 1987.

Eagle, J N
Towards the efficient solution of an ASW search problem
Naval Research Reviews, vol. XXXIX, 1987.

Eagle, J N; Yee,
An optimal branch and bound procedure for the constrained path, moving target search problem
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS55-87-015), 1987, p. 8.

Eagle, J N; Yee, J R
An approximate solution technique for the constrained search moving target search problem
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS55-85-015), October, 1987.

Eldor, H
Kinematics/detection model for a naval seminar game
Sponsored by Naval War College, Newport, RI. Naval Postgraduate School, (NPS-55-86-020), Oct. 1986. 114 p.

Esary, J D; Wilson, O B
Ann. summary report, range studies program
Naval Postgraduate School, Monterey, CA, (NPS-61-003-PR), October, 1985.

Esary, J D; Wilson, O B
Annual Summary Report, Range Studies Program
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS-61-870-002PR), November, 1986.

Esary, J D; Wilson, O B
Ann. summary report, range studies program
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS61-88-001PR), November, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

Esary, J D; Wilson, O B; Marimon, R L; Uber, B
Review of interactions between the Naval Postgraduate School and the Naval Undersea Warfare Engineering Station
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS-61-86-01PR), June, 1986.

Forrest, R N
A dual launch torpedo effectiveness estimation method
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS55-85-022), September, 1985. p. 35.

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.

Forrest, R N
An active acoustic detection model
Sponsored by Naval War College. Naval Postgraduate School, (NPS-55-86-024), Dec., 1986. 25 p.

Forrest, R N
An analysis of some ASW related tactical decision aid models
Prepared for Naval Air Development Center, Warminster, PA. Naval Postgraduate School, (NPS-71-86-001), Feb., 1986. 25 p.

Forrest, R N
Notes on search, detection and localization modeling
Prepared for the Naval Postgraudate School, Monterey, CA., (NPS71-87-001), 1985. p. 70.

Forrest, R N
A program to compute electric anomaly detection probabilities
Naval Postgraduate School, Monterey, (NPS-71-88-002), October 1988, 64 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

Forrest, R N
A program to compute magnetic anomaly detection probabilities
Prepared for Naval Postgraduate School, (NPS-71-88-001), May 1988

Gaver, D P; Coffman, E; Flatto, L
Performance analysis of a buffer under locking protocols
Prepared for Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-55-88-003), February 1988, 26 p.

Gaver, D P; Coffman, E; Platto, L
Performance analysis of a buffer under locking protocols
Office of Naval Research, (NPS-55-88-003), February 1988, 26 p.

Gaver, D P; Jacobs, P
System availability: Time dependence and statistical inference by (Semi) non-parametric methods
Prepared for Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-55-88-008), August 1988, 42 p.

Gaver, D P; Jacobs, P A
On inference and transient response for M/G/1 models
Naval Postgraduate School, (NPS-55-86-006), Mar., 1986. 16 p.

Gaver, D P; Jacobs, P A
Robustifying the Kalman filters
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS55-87-014), 1987, p. 20.

Gaver, D P; Jacobs, P A; O'Muircheartaigh; Meldrum, A
Problems of identification
Sponsored by Nat. Security Agency and Office of Naval Res. Naval Postgraduate School, (NPS-55-86-021), Nov., 1986. 42 p.

Gaver, D P; Mutlu, H B
An operational analysis of system calibration
Prepared for Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-55-88-002), February 1988, 20 p.

Gaver, D P; O'Muircheartaigh
Robust empirical Bayes analysis of event rates
Naval Postgraduate School, (NPS-55-86-007), Mar., 1986. 53 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

Gaver, D P; O'Muircheartaigh, I
Prediction of polytomous events: Model description, algorithm development and methodological aspects, with an application
Naval Postgraduate School, Monterey, CA, (NPS-87-010), 1987.

Harrison, T P; Rosenthal, R E
An implicit/explicit approach to multiobjective optimization with ar application to forest management planning
Naval Postgraduate School, (NPS-55-86-012), June, 1986. 36 p.

Howard, G T; Barr, D R
Evaluation of GRE data- An Experiment at NPS
Sponsored by: Naval Postgraduate School, Monterey, CA, (NPS 55-87-008), August, 1987. 63 p.

Hughes, W P
Ground combat modelling incorporating the combined effects of attrition movement and suppression
Sponsored by Operations Analysis Branch, Ministry of Defense, July, 1987.

Hughes, W P; Larson, J A
The Falklands wargame
Sponsored by U.S Army Concepts Analysis Agency. (CAA-SR-86-21), Oct., 1986. 67 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.

Jacobs, P A
Estimation of the probability of a long time to the first entrance to a state in a semi markov model
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS55-87-012), 1987, p. 27

Johnson, L
Smoothing spatial data by estimating mean local variance
Prepared for Naval Postgraduate School, Monterey, CA. (NPS-55-88-005), May 1988, 35 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

Kang, K; Schmeiser, B W
Properties of batch means from stationary ARMA time series
Naval Postgraduate School, (NPS-55-86-004), Feb., 1986. 10 p.

Lawphongpanich,; Hearn, D W
A demyanovtype modification for generalized linear prgramming
Prepared for the Naval Postgraduate School, Monterey, CA., 55-87-016, December, 1988.

Lewis, P A
Graphical analysis of some pseudo-random number generators
Naval Postgraduate School, (NPS-55-86-025), Dec., 1986. 17 p.

Lewis, P A; Mckenzie, E; Hugus, D K
Gamma processes
Sponsored by Office of Naval Res. Naval Postgraduate School, (NPS-55-86-002), Jan., 1986. 35 p.

Lewis, P A W
Use of color in differentiating factor levels in simulation output: Preliminary report
Prepared for Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-55-86-001), Jan., 1986. 10 p.

Lewis, P A W
Laplace processes
Prepared for Chief of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-55-88-011), November 1988, 32 p.

Lewis, P A W; McKenzie, ED
Minification processes
Prepared for Office of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-55-88-010), October 1988, 18 p.

Lewis, P A W
Variance reduction using nonlinear control and transformations
Prepared for Chief of Naval Research, Arlington, VA. Naval Postgraduate School, (NPS-55-88-007), August 1988, 18 p.

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 (CARF) Determination System
Naval Postgraduate School, (NPS-55-85-005), Feb., 1985. 57 p.

Lindsay, G F
Statistical aspects of the F/A-18 AGE Exploration Program
Sponsored by Naval Air Rework Facility, North Island, San Diego, CA. Naval Postgraduate School, (NPS-55-86-023), Nov., 1986. 50 p.

McMasters, A W
Wholesale provisioning models: Model evaluation
Sponsored by Fleet Material Support Office, Mechanicsburg, PA. Naval Postgraduate School, (NPS-55-86-011), May, 1986. 118 p.

Milch, P R
An analytical model for forecasting navy officer career paths
Prepared for Headquarters, U.S. Marine Corps, Code MPI-45, Washington, DC. Naval Postgraduate School, (NPS-88-009), September 1988, 23

Poock, G K; Martin, B J
An examination of some error correcting techniques for continous speech recognition technology
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS55-85-012), June, 1985. 42p.

Read, R R
Program for the simultaneous estimation of displacement and orientation corrections for several short base line arrays
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS55-85-028), 1985. 70p.

Read, R R
Structured exit interviews using MDS
Prepared for the Naval Postgraduate School, Monterey CA., (NPS55-85-024), 1985. 44p.

Read, R R
Transformation of displacement and orientation correction data
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS55-85-031), 1985. 32p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

Read, R R
The use of shrinkage techniques in the estimation of attrition rates for large scale manpower models
Prepared for Naval Postgraduate School, (NPS-55-88-006), July 1988, 38 p.

Rockower, E B
Laser propagation code study
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS55-85-019), September, 1985.

Rockower, E B
Integral identities for random variables
Sponsored by Space and Naval Warfare Systems Command, Washington, DC. Naval Postgraduate School, (NPS-55-86-017), Oct., 1986. 21 p.

Rockower, E B
Reliability in a random environment
Sponsored by Space and Naval Warfare Systems Command, Washington, DC. Naval Postgraduate School, (NPS-55-86-018), Oct., 1986. 25 p.

Rosenthal, R E
Tutorial on gams: A modeling language for optimization
Prepared for Naval Postgraduate School, (NPS-55-88-001), January 1988, 39 p.

Rosenthal, R E
Tutorial on gams: A modeling language for optimization
Naval Postgraduate School, (NPS-55-88-001), February 1988, 39 p.

Schoenstadt, A; Parry, S H
Toward a axiomatic generalized value system
Sponsored by U.S. Army TRADOC Systems Analysis Agency. Naval Postgraduate School, (NPS-53-86-008), May, 1986. 24 p.

Shudde, R H
Some tactical algorithms for spherical geometry
Sponsored by Naval Air Development Center, Warminster, PA. Naval Postgraduate School, (NPS-55-86-008), Mar., 1986. 30 p.

Shudde, R H
An evaluation of portions of the integrated tactical decision aid (ITDA) and the fastad system
Prepared for Fleet Mission Program Library Naval Air Development Center, Naval Postgraduate School, (NPS-55-88-004PR). March 1988, 30 p

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

Taylor, J G
Initial examination of cybernetic concepts in Soviet military affairs
Sponsored by Foreign Technology Division, U.S. Air Force Systems Command. Naval Postgraduate School, Dec. 31, 1985. 162 p.

Taylor, J G
The Soviet principle of the first leader: Vehicle for insight into Soviet Management of complex problems
Science Applications International Corporation, Greenwood Village, CO., (SAIC-85-6112&FSRC), June, 1985. 38p.

Taylor, J G
Initial examination of Soviet concepts for the control of military systems
Sponsored by Command-Control-and-Communications-Counter-Measures Joint Test force. Naval PostgraduateSchool, Sept. 30, 1986. 97 p.

Washburn, A R
Deterministic graphical games
Naval Postgraduate School, (NPS-55-86-010), May, 1986. 13 p.

Washburn, A R; Boger, D
Notes from the Stockpile seminar
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS55-85-014), October 1985.

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.

Wilson, O B; Esary, J D
Annual summary report of the Range Studies Program
Sponsored by Naval Undersea Warfare Engineering Station. Naval Postgraduate School, (NPS-61-86-003PR), Oct., 1985. 23 p.

Wilson, O B; Esary, J D
Ann. summary report, range design studies
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS-61-870-002PR), November, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

Wood, W M; Drake, J; Chandler, J
Analysis and evaluation of discrete reliability growth model w/ and w/out failure discounting
Prepared for Naval Postgraduate School, (NPS-55-88-013),

DEPARTMENT
OF
PHYSICS

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS

Atchley, A A
General criteria for the activation of cavitation nuclei
Conf. for Ultrasonics in BioPhysics and Bioengineering, Champaign-Urbana, IL, May, 1987.

Atchley, A A
The blake threshold of a bubble having radius-dependent surface tension
115th Meeting of the Acoustical Society of America, Seattle, WA., May, 1988.

Atchley, A A; Frizzell, L A; Apfel, R E
Thresholds for cavitation produced in water by pulsed ultrasound
112th Meeting of the Acoustical Society of America, Anaheim, CA, December, 1986.

Atchley, A A; Hofler, T J; Kite, M D
Acoustically generated temperature gradients in short plates
116th Meeting of the Acoustical Society, Am. 84, Suppl., 1, S36 (A), 1988.

Atchley, A A; Properetti, A
Nucleation of acoustic cavitation from a gas-filled crevice
111th Mtg. of the Acoust. Soc. of Am., Cleveland, OH, May, 1986.

Baker, S R; Rudnick, I
Measurement of the biot structural factor delta for sintered bronze spheres
1985 IEEE Ultrasonics Symp., San Francisco, CA, Oct., 1985.

Baker, S R; Rudnick, I
Measurement of the biot structured factor delta for sintered bronze spheres
110th Mtg. of the Acoust. Soc. of Am., Nashville, TN, Nov., 1985.

Baker, S R; Rudnick, I
The effect of finite phonon and roton mean free paths on the attenuation of fourth sound in a He-II filled porous solid
110th Mtg. of the Acoust. Soc. of Am., Nashville, TN, Nov., 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

Beck, D H; Maruyama, X; 33 others
Elastic electron scattering from 3H and 3He at low Q
Particle and Nuclear Interface Conference, Tokyo, Japan, 1987.

Bedard, R; Baker, S R
Reciprocity calibration of an underwater transducer by the delta-z method
Presented at the Acoustical Society of America, Seattle, WA., May, 1988.

Bluhm, H; Bohnel, K; Genuario, R; Hoppe, P; Karow, H U; Ratajczak, W; Rush, D; Schwirzke, F R
Plasma opening switch experiments at the pulsed power generators Pollux and Kalif
5th Int. Conf. on High Power Particle Beams, Kobe, Japan, June, 1986.

Brekke, B; Wilson, O B
A modified time delay spectrometry method for underwater acoustic measurements
Acoust. Soc. Am. Mtg., Austin, Tex., Apr., 1985.

Buskirk, F R
Radiation effects in bulk samples of high tc superconductors YBa2CU3O6x and GdBa2CU3O6x
25th NSREC Conference, Portland, OR., July, 1988.

Buskirk, F R; Neighbours, J R; Maruyama, X K
Radiation produced by the modulated beam of a free electron laser
Int. Conf. on Free Electron Lasers, Glasgow, Scotland, Sept., 1986.

Crooker, C M; Garrett, S L
Fringe counting demodulator for fiber optic interferometric sensors
112th Meeting of the Acoustical Society of America, Anaheim, CA, December, 1986.

Crooker, C M; Garrett, S L
Fringe rate demodulator for fiber optic interferometric sensors
Fiber Optic and Laser Sensors V, San Diego, CA, August, 1987.

Davidson, K L; Fairall, C W
Optical properties of the marine atmospheric boundary layer: Aerosol profiles
SPIE, Ocean Optics VIII, Orlando, FL, Mar. 31 - Apr. 1, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

Dow, K A; Bates Tritium Collaboration; Maruyama, X
Deep-inelastic electron scattering from 3H and 3He
Am. Physical Soc., Crystal City, VA, April, 1987.

Edwards, T; Horton, K G; Redman, D; Rosa, J M; Rubin, J B; Yoon, S W; Powers, J P; Netzer, D W
Measurement of particulates in solid propellant motors
23rd JANNAF Combustion Meeting, Hampton, VA, October, 1986.

Gardner, D L; Garrett, S L
Fiber optic seismic sensor
Fiber Optic and Laser Sensors V, San Diego, CA, August, 1987.

Gardner, D L; Yarber, R K; Carome, E F; Garrett, S L
A fiber-optic interferometric geophone
112th Meeting of the Acoustical Society of America, Anaheim, CA, December, 1986.

Gardner, D L; Yarber, R K; Carome, E F; Garrett, S L
Fiber-optic interferometric geophone with hydrophone applications
Sixth Intl. conf. on Integrated Optics and Optical Fiber communications, Reno, NV, January, 1987.

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.

Garrett, S L
Fiber optic seismic sensors for battlefield surveillance
14th Meeting of NATO AC/243, Panel III Research Study Group II, Alburquerque, NM, October, 1986.

Garrett, S L
Electric condenser microphones in physical acoustics research
115th Meeting of the Acoustical Society of America, Seattle, WA., May, 1988.

Garrett, S L; Gardner, D L; Yarber, R K; Crooker, C M; Newmaster, J T; Brininstool, M R; Carome, E F
Toward an entirely fiber optical compact directional hydrophone system
Integrated Undersea Surveillance System (IUSS) Technical Review, San Diego, CA, February, 1987.

Garrett, S L; Hofler, T; Atchley, A A
Space Thermo-Acoustic Refrigerator (STAR)
Navy Annual Space Test Program (STP) Call for Experiments Conf., Monterey, CA, March, 1987.

Garrett, S L; Hofler, T; Atchley, A A
Space Thermo-Acoustic Refrigerator (STAR)
Navy Ann. Space Test Program (STP) Call for Experiments Conf., Monterey, CA, March, 1987.

Garrett, S L; Swift, G W
Resonant reciprocity calibration of an ultracompliant transducer
112th Meeting of the Acoustical Society of America, Anaheim, CA, December 1986.

Glass, N E
A perturbation theory for optical reflectance with surface-polariton excitation on a bigrating
Am. Phys. Soc. General Mtg., Las Vegas, NV, Mar. 31 - Apr. 4, 1986.

Glass, N E; Maradudin, A A; Wirgin, A
Grating and a bigrating
Int. Laser Science Conf., Dallas, TX, Nov., 1985.

Grant, S D; Baker, S R; Wilson, O B
Development of a compact apparatus to measure both the complex bulk modulus apparatus and the complex mass density of fluid contained in a rigid porous solid
Presented at the Joint Meeting of the Acoustical Society of Japan, Honolulu, HI., November, 1988.

Hamonic, B F; Wilson, O B; Baker, S R
Coupling finite elements and helmoholtz integral equations for solving radiation and scattering problems
Presented to the Joint Meeting of the Acoustical Society of America an dthe Acoustical Society of Japan, Honolulu, HI., Noverber, 1988.

Haney, C E D; Newmaster, J T; Garrett, S L
A magnetohydrodynamically driven hemholtz resonant projector
115th Meeting of the Acoustical Society of America, Seattle, WA., May, 1988.

Harrison, D E; Jakas, M M
Inelastic energy losses in cascade and atom ejection
IBA 7 '85, Berlin, F. R. G., 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

Harrison, D E; Jakas, M M
Simulation of the atomic collision cascade
REI 3 '85, Guilford, U. K., 1985.

Johnson, M B; Garrett, S L
Reciprocity calibration in a compliant cylindrical tube
110th Mtg. of the Acoust. Soc. of Am., Nashville, TN, Nov. 7, 1985.

Maruyama, X
Measurementsof off-axis energy deposition from 100 MeV electrons traversing water and liquid nitrogen
25th Nuclear and Space Radiation Effects Conference, Portland, OR., July, 1988.

Maruyama, X
Optical transition radiation as a beam monitor for CW electron accelerators
APS Meeting, Santa Fe. NM, October, 1988.

Maruyama, X
Optical transition radiation as real-time, on-line diagnostic for free electron laser systems
9th International Free Electron Laser Conference, Williamsburg, VA., October, 1987.

Maruyama, X; Fiorito, R B; Rule, D W
Optical transition radiation as a real-time, on-line diagnostic for free electron laser systems
9th Intl. Free Electron Laser Conf., Williamsburg, VA, 1987.

Mensh, D R; Sweet, R; Cooper, A W; Sovereign, M G
Applications of modular command and control evaluation structure for integrating electro-optics technology into Navy battle groups
Conf. on Military Applications of Electro-Acoustic-Optic (EAO) Technology, Naval Training Center, Orlando, FL, Apr. 1-4, 1986.

Mikkelsen, T; Thykier-Nielsen,; Troen, I; DeBaas, A F; Larsen, S E; Kamada, R F; Skupniewicz, C E; Schacher, G E
A hazzard model for complex terrain
Proc. 8th Symp. on Turb, and Diff., San Diego, CA. April 25-29, 1988.

Morgan, M A; Fisher, D; Milne, E A
Microcomputer computation of electromagnetic scattering by stratified anisatropic materials
2nd Ann. Rev. of Progress in Appl. Computational Electromagnetics, Naval Postgraduate School, Mar. 18-20, 1986.

CONFERENCE PRESENTATIONS (cont'd)

Neighbours, J; Buskirk, F R; Maruyama, X
Threshold Cerenkov radiation and beam diagnostics
1987 Particle Accelerator Conf., Washington, DC, March, 1987.

Newmaster, J T; Brininstool, M R; Hofler, T; Garrett, S L
Remote fiber optic sensors for angular orientation
Fiber Optic and Laser Sensors V, San Diego, CA, August, 1987.

Newmaster, J T; Brininstool, M R; Hofler, T; Garrett, S L
Remote fiber optic sensors for angular orientation
Fiber Optic and Laser Sensors V, San Diego, CA, August, 1987.

Nichols, R H
VLF ambient ocean noise vs. wind and waves
12th Int. Cong. on Acoustics, Toronto, Canada, July 24-31, 1986.

Olsen, R C
Ion beam experiments at high altitudes
Fall meeting of the American Geophysical Union, San Francisco, CA, December, 1986.

Olsen, R C
Plasma wave observations during electron and ion gun experiments
AIAA 26th Aerospace Sciences Meeting, Reno, NV, January, 1988.

Patton, M D; Baker, S R; Wilson, O B
Reciprocity calibration of a tonpilz transducer by the delta-z method
Presented to the Joint Meeting of the Acoustical Society of American and the Acoustical Society of Japan, Honolulu, HI., November, 1988.

Roy, R A; Atchley, A A; Crum, L A; Fowlkes, J B; Reily, J J
A precise technique for the measurement of acoustic cavitation thresholds and some preliminary results
J. Acoust. Soc. Am., vol. 78, no. 5, (Nov., 1985).

Rule, D W; Fiorito, R B; Ladish, J S; Caldwell, S E; Iverson, S E; Maruyama, X
Emittance characterization of beams using transition radiation
Ann. SDIO/DARPA/Services Propagation Review, Monterey, CA, Sept., 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

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
Mean flow in Vandenberg terrain: Experimental results
JANNAF Conf. on DoD Flow Modeling for Complex Terrain, Vandenberg AFB, CA, Oct., 1986.

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
Plasma jets emitted by unipolar arcing from spherical laser targets
7th Int. Workshop on Laser Interaction and Related Plasma Phenomena, Monterey, CA, Oct. 28 - Nov. 1, 1985.

Schwirzke, F R
Unipolar arcs
38th Gaseous Electronics Conf., Monterey, CA, Oct. 15-18, 1985.

Schwirzke, F R
Microscopic model and scaling laws for a plasma opening switch
29th Ann. Meeting of the Division of Plasma Physics, Baltimore, MD, November, 1986.

Schwirzke, F R
Field emission controlled plasma opening switch
1987 IEEE Intl. Conf. on Plasma Science, Arlington, VA, June, 1987.

Schwirzke, F R
Laser-plasma-surface interactions
8th International Workshop on Laser Interaction and Related Plasma Phenomena, Montery, CA., October 26-30, 1987.

Schwirzke, F R
Initial vacuum breakdown by unipolar arcing
30th Annual Meeting of the Division of Plasma Physics, Hollywood, FL., October 31-November 4, 1988.

CONFERENCE PRESENTATIONS (cont'd)

Schwirzke, F R
Plasma formation on surfaces by microexplosions and unipolar arcing
1988 International Conference on Plasma Science, Seattle, WA., June 6-8, 1988.

Schwirzke, F R
Unipolar arcing
Workshop on Transient Induced Insulator Flashover in Vacuum, Lawrence Livermore National Laboratory, CA., August 24-25, 1988.

Schwirzke, F R; Stephenson, C O
Plasma jets emitted by unipolar arcing from plane and spherical laser targets
27th Ann. Mtg. of the Div. of Plasma Physics, APS, San Diego, CA, Nov. 4-8, 1985.

Self, R E; Johnson, J D; Wilson, O B; Garrett, S L
Automated in-service test and evaluation of sonar hydrophones
112th Meeting of the Acoustical Society of America, Anaheim, CA, December, 1986.

Simard, D C; Atchley, A A; Baker, S R
An investigation of the work output of a thermoacousticprime mover
115th Meeting of the Acoustical Society of America, Seattle, WA., May, 1988.

Skupniewicz, C E; Schacher, G E
Modification of sea breeze surface layer winds near Pt. Arguello, CA., due to Easterly flow above the Marine boundary layer
4th Conference Meteorol. and Oceano. Coastal Zone, Anaheim, CA., February, 3-5, 1988.

Smith, R
Computational models of ion beam etching
Paper Presented at the European Vacuum Conference Salford University, U.K., 1988.

Smith, R
Models of surface erosion
Department of Chemistry, Penn. State University, October, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

Smith, R; Harrison, D E
Surface damage on the (010) and (3111) faces of cu due to bombardment by ar ions
Paper Presented at the Gordon Research Conference on Atomic Collision in Solids, Plymouth, New Hemshire, July, 1988.

Smith, R; Harrison, D E
The molecular dynamics of ion bombarded surfaces on a desk top computer
Invited Paper at the AAPT Meeting San Francisco, January 19, 1989.

Suzalla, M; Hofler, T; Garrett, S L
Low pradtl number gas mixtures as a working fluid in a thermoacoustic refrigerator
115th Meeting of the Acoustical of American, WA., J. Acoust. Soc. Am. 83, S6, May, 1988.

Takle, E S; Schacher, G E
Program for assessing diffusion in complex terrain
S & EPS Atmospheric Transport and Diffusion Workshop, Los Angeles, CA, June, 1985.

Tang, C M; Sprangle, P; Penner, S; Maruyama, X
Analysis of free electron laser performance utilizing the National Bureau of Standards CW microtron
1987 Particle Accelerator Conf., Washington, DC, March, 1987.

Thykier-Nielsen,; Mikkelsen, T; Larsen, S E; Troen, I; DeBaas, A F; Kamada, R F; Skupniewicz, C; Schacher, G E
A model for accidental releases in complex terrain
Proc. 17th NATO/CCMS ITM, Cambridge, (UK), September 19-22, 1988.

Walters, D L; Stevens, K B
A fourth generation isoplanatic angle sensor
Ann. Mtg. of the Optical Soc. of Am., Seattle, WA, Oct. 24, 1986.

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

CONFERENCE PRESENTATIONS (cont'd)

Walters, D L
Atmospheric optical turbulence measurements along the Pacific coast
Jet Propulsion Laboratory, October 28, 1988.

Wilson, O B; Peter, T E
Development of the DT-276A fabrication specification package
1985 Ann. Rev. of Sonar Transducer Reliability Improvement Program, NRL-USRD, Orlando, FL, Dec. 11-12, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONTRIBUTIONS TO BOOKS

Monahan, E C; Spiel, D E; Davidson, K L
Model of marine aerosol generation via whitecap and wave disruption
IN E. C. Monahan and G. MacNiociall, eds.: Oceanic whitecaps and their role in air-sea exchange processes, Dordrecht, Netherlands, D. Reidel, 1986, p. 167-174.

Wilson, O B
An introduction to the theory and design of sonar transducers
Monterey, CA, Naval Postgraduate School, 1986. 187 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

Baker, S R; Rudnick, I
Measurement of the biot structural factor delta for sintered bronze spheres
1985 IEEE Ultrasonics Symp., San Francisco, CA, Oct., 1985.
IN Proc., p. 1039-1042, (1986).

Barmatz, M B; Garrett, S L
Stable oscillating acoustic levitation
NASA Tech., Briefs, 12 (11), 1988.

Bluhm, H; Bohnel, K; Hoppe, P; Karow, H U; Leistner, A; Schulken, H; Rusch, D; Schwirzke, F R
Determination of plasma properties important for plasma opening switch operation
Proc. 6th IEEE Pulsed Power Conference, Arlington, VA., June 29 - July 1, 1987.

Boyle, P J; Davidson, K L; Spiel, D E
Characteristics of overwater surface stress during STREX
Dynamics of Atmospheres and Oceans, vol. 4, p. 343-358, (1987).

Buskirk, F R; Neighbours, J; Maruyama, X
Radiation produced by the modulated electron beam of a free electron laser
Nuclear Instruments and Methods in Physics Research, vo. A259, p. 281-284, (1987).

Buskirk, F R; Neighbors, J R
Time development of Cerenkov radiation
Phys. Rev., vol. A31, p. 3750+, (1985).

Buskirk, F R; Neighbours, J R
Cerenkov radiation and electromagnetic pulse produced by electron beams traversing a finite path in air
Phys. Rev. A, vol. 34, p. 3470-3473, (Oct., 1986).

Buskirk, F R; Pogue, E W
Cavity coupling investigation for the Phermex - 50 MHz accelerator
IEEE Trans. Nuclear Sci., vol. 32, p. 2582+, (1985).

Craven, P D; Olsen, R C; Fennell, J; Crowley, D; Aggson, T
Potential modulation on the SCATHA spacecraft
J. of Spacecraft and Rockets, vol. 24, no. 2, p. 150-157, (March-April, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS (cont'd)

Davidson, K L; Fairall, C W
Optical properties of the marine atmospheric boundary layer: Aerosol profiles
SPIE, Ocean Optics VIII, Orlando, FL, Mar. 31 - Apr. 1, 1986.
IN Proc., SPIE, vol. 637, (1986).

Edwards, T; Horton, K G; Redman, D; Rosa, J M; Rubin, J B; Yoon, S W; Powers, J P; Netzer, D W
Measurement of particulates in solid propellant motors
23rd JANNAF Combustion Meeting, Hampton, VA, October, 1986.
IN Proc., 23rd JANNAF Combustion Meeting, vol. 1, p. 119-132, (1986).

Fiorito, R B; Rule, D; Iverson, S G; Ladish, S E; Caldwell, S E; Maruyama, X
Emittance characterization of CHB using transition radiation
Proc. Annual SDIO/DARPA Services Propagation Review, 1987.

Gardner, D L; Garrett, S L
Fiber optic seismic sensor
Fiber Optic and Laser Sensors V, San Diego, CA, August, 1987.
IN Proc., Soc. Photo-Optivcal Inst. Eng. (SPIE) 838, August, 1987.

Gardner, D L; Hofler, T; Baker, S R; Yarber, R K; Garrett, S L
A fiber-optic interferometric seismometer
J. of Lightwave Technology, vol. LT-5, no. 7, p. 953-960, (July, 1987).

Gardner, D L; Hofler, T; Baker, S R; Yarber, R K; Garrett, S L
A fiber-optic interferometric seismometer
J. of Lightwave Technology, vol. LT-5, no. 7, p. 953-960, (July, 1987).

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).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS (cont'd)

Garrett, S L
Fiber optic seismic sensors for battlefield surveillance
14th Meeting of NATO AC/243, Panel III Research Study Group II, Alburquerque, NM, October, 1986.
IN Minutes of the Fourteenth Meeting of RSG.11, (1987).

Garrison, B J; Reimann, C T; Winograd, N; Harrison, D E
Energy and angular distributions of Rh atoms ejected due to ion bombardment from rh(111): A theoretical study
Physical Review B1, 36(7), pp. 3516-3521, 1987.

Garrison, B J; Winograd, N; Tombrello, T A; Shapiro, M H; Harrison, D E
Energy cost to sputter an Atom from a surface in keV Ion bombardment processes
Surface Science 80, L129-133, 1987.

Glass, N E
A perturbation theory for optical reflectance with surface-polariton excitation on a bigrating
Am. Phys. Soc. General Mtg., Las Vegas, NV, Mar. 31 - Apr 4, 1986.
IN Bull. of the Am. Phys. Soc., vol. 31, No. 3, p. 632, (Mar., 1986).

Glass, N E; Maradudin, A A
Polariton resonant absorption in a bigrating: Exact theory compared to recent experiments and to perturbation theory
Optics Communications, vol. 56, p. 339 - 344, (Jan., 1986).

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).

Harrison, D E; Avouris, P; Walkup, R
Classical trajectory study of atom and molecule ejection during low energy bombardment of copper by oxygen
Nuclear Instruments and Methods B 18, 394-354, 1987.

Harrison, D E; Jakas, M M
Inelastic energy losses in cascades and atom ejection
Nucl. Instruments and Methods in Phys. Res. (B), vol. 15, 25 p., (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS (cont'd)

Hofler, T; Garrett, S L
Thermal noise in a fiber optic sensor
Journal of Acoustic Society, Am., 84 (2), 471, 1988.

Jakas, M M; Harrison, D E
Computer studies of the reflection of 30keV N2+ ions from A (010) Cu surface
Surface Sci., vol. 149, p. 500-516, (1985).

Jakas, M M; Harrison, D E
Dependence of atom ejection on electronic energy loss
Phys. Rev. B, vol. 32, p. 2752, (1985).

Jakas, M M; Harrison, D E
Many- body effects in atomic collision cascades
Phys. Rev. Letters, vol. 55, no. 17, p. 1782-1785, (1985).

Jakas, M M; Harrison, D E
A comparison between multiple interaction computer simulations and the linear theory of sputtering
Nuc. Instruments and Methods in Phys. Res. (B), vol. 14, p. 535, (1986).

Jenner, A D; Saxon, R P; Gillen, K T; Harrison, D E; Horn, T C M; Kleyn, A W
Computer simulations and rainbow patterns of alkali ion scattering from metal surfaces
Surface Sci., vol. 172, p. 121-150, (1986).

Johnson, M B; Garrett, S L
Reciprocity calibration in a compliant cylindrical tube
110th Mtg. of the Acoust. Soc. of Am., Nashville, TN, Nov. 7, 1985.
IN J. Acoust. Soc. Am., vol. 78, p. S54, (1985).

Kamada, R F
A fractal interfacial entertainment model for dry convective boundary layers. Part II: Discussion of model behavior and comparison with other models
J. Atmos, Science, 45, 17, pp. 2375-2383

Karow, H U; Leistner, A; Schuiken, H; Rusch, D; Schwirzke, F; Lion, S; Salge, J G; Bluhm, H
Determination of plasma properties important for plasma opening switch operatoin
Sixth IEEE Pulsed Power Conf., Arlington, VA, June, 1987.
IN Proc., IEEE, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS (cont'd)

Katardjiev, I V; Carter, G; Nobes, M J; Smith, R
Precision modeling of mask-substrate evolution during Ion beam etching
Journal of Vacuum Science and Technology A6(4), pp. 2443-2550, 1988.

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
Optical transition radiation as real-time on-line diagnostic for free electron laser systems
Nuclear Instruments and Methods A272, 237, 1988.

Maruyama, X; Buskirk, F R; Neighbours, J
Microwave Cherenkov radiation as a diffraction phenomenon
Nuclear Instruments and Methods, vol. B24, issue 25, p. 921-924, (1987).

Maruyama, X; Neighbours, J R; Buskirk, F R; Snyder, D D; Vujaklija, M; Bruce, R G;
Observation of microwave Cernenkov radiation as a diffraction pattern
Appl. Phys. 60, 518, 1986.

Maruyama, X; Penner, S; Tang, E M; Sprangle, P
Proposal for a free electron laser driven by the National Bureau of Standards CW Microtron
Nuclear Instruments and Methods in Physics Research, vol.259, p. 259-262, (1987).

Maruyama, X; 33 others
Isoscalar and isovector form factors of 3H and 3He for Q below 2.9 fm-1 from electron-scattering measurements
Physical Review Letters, vol. 59, no. 14, p. 1537-1540, (October, 1987).

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).

Maruyama, X K; Neighbours, J R; Buskirk, F R; Snyder, D D; Vujaklija, M; Bruce, R G
Observation of microwave Cerenkov radiation as a diffraction pattern
J. Appl. Phys., vol. 60, no. 2, p. 518-520, (July 15, 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS (cont'd)

Moore, T H; Walters, D L
Observations on centrosymmetric and asymmetric scattering in barium titanate
Journal of the Optical Society of America B, vol. 5, pp. 1806-1809, August, 1988.

Morgan, M A; Milne, E A; Fisher, D L
Electromagnetic scattering by stratified anisotropic media
IEEE Transactions on Antennas and Propagation, vol. AP-35, no. 2, p. 191-197, (February, 1987).

Nagai, T; Singer, H J; Ledley, B G; Olsen, R C
Field-aligned currents associated with substorms in the vicinity of synchronous orbit
J. of Geophysical Research, vol. 92, no. A3, p. 2425-2431, (March, 1987).

Neighbors, J R; Maruyama, X
Onset of Cerenkov radiation
Proc. Annual SDIO/DARPA/Services Propagation Review, 1985.

Neighbours, J; Buskirk, F R; Maruyama, X
Cerenkov and Sub-Cerenkov radiation from a charged particle beam
J. of Applied Physics, vol. 61, p. 2741-2748, (April, 1987).

Neighbours, J R
Cerenkov and Sub-Cerenkov radiation from a charged particle beam
Journal of Applied Physics 61, pp. 2741, 1987.

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).

Newmaster, J T; Brininstool, M R; Hofler, T; Garrett, S L
Remote fiber optic sensors for angular orientation
Fiber Optic and Laser Sensors V, San Diego, CA, August, 1987.
IN Proc., Soc. Photo-Optical Inst. Eng. (SPIE) 838, August, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS (cont'd)

Newmaster, J T; Brininstool, M R; Hofler, T; Garrett, S L
Remote fiber optic sensors for angular orientation
Fiber Optic and Laser Sensors V, San Diego, CA, August, 1987.
IN Proc. Soc. Photo-Optical Inst. Eng. (SPIE) 838, August 1987.

Newmaster, J T; Brininstool, M R; Hofler, T; Garrett, S L
Channel reduction sshemes for fiber optic angular orientation sensors
Fiber and Integrated Optics, 7 (2), 115, 1988.

Nichols, R H
VLF ambient ocean noise vs. wind and waves
12th Int. Cong. on Acoustics, Toronto, Canada, July 24-31, 1986.
IN Proc., 12th Int. Cong. on Acoustics, vol. 3, p. H3-1, (1986).

O'Connell, J S; Dodge, W R; Lightbody, J W; Maruyama, X; Adler, J O; Hansen, K; Schroder, B; eight others
Electromagnetic excitation of the delta resonance in nuclei
Physical Review C, vol. C35, no. 3, p. 1063-1071, (March, 1987).

Olsen, R C
Experiments in charge control at geosynchronous orbit ATS5 and ARS6, Journal of Spacecraft and Rockets, 22, pp. 254-264, 1985.

Olsen, R C;
Electron beam experiments at high altitudes
J. of Electrostatics, vol. 20, no. 1, p. 43-57, (January, 1987).

Olsen, R C
The record charging events of ATS-6
J. of Spacecraft and Rockets, vol. 24, no. 4, p. 362-366, (July-August, 1987).

Olsen, R C; Aggson, T L; Ledley, B G
Observations of electric fields near the plasmapause
Journal of Geophysical Research, 91, 12017-12031, 1986.

Olsen, R C; Chappell, C R
Conical ion distributions at one earth radium-observations from the acceleration region?
Advances in Space Research, 6, pp. 117-120, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS (cont'd)

Olsen, R C; Chappell, C R; Burch, J
Aperture plane potential control for thermal ion measurements
Journal of Geophysical Research, 91, 3117, 1986.

Olsen, R C; Chappell, C R; Gallagher, D L; Green, J L; Gurnett, D A
The hidden ion population - Revisited
Journal of Geophysical Research, 90, pp. 12121-12132, 1985.

Olsen, R C; Chappell, C R; Shawhan, S D
Plasma observations at the earth's magnetic equator
Intl. Symposium on Space Physics, Beijing, China, November 10-14, 1986.
IN Proc., ISSP, p. 4-23, (1986).

Olsen, R C; Chappell, C R; Shawhan, S D
Plasma observations at the earth's magnetic equator
Proceedings of the International Symposium on Space Physics, Beijing, China, pp. 4-23, November 10-14, 1986.

Olsen, R C; Shawhan, S D; Gallagher, S D; Green, J L; Choppell, C R; Anderson, R R
Plasma observations at the Magnetic Equator
J. of Geophysical Research, vol. 92, no. A3, p. 2385-2407, (March, 1987).

Olsen, R C; Whipple, E C
An unusual charging event on ISEE 1
Journal of Geophysical Research, October, 1987.

Polturak, E; Garrett, S L; Lipson, S G
Precision acoustic gas analyzer for binary mixtures
Review of Scientific Instruments, vol. 57, no. 11, p. 2837-2841, (November, 1986).

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; 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).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS (cont'd)

Schwirzke, F R
Initial vacuum breakdown by unipolar arcing
Bull. Am. Phys. Soc., 33, 1951, October, 1988.

Schwirzke, F R
Unipolar arcs
38th Gaseous Electronics Conf., Monterey, CA, Oct. 15-18, 1985.
IN Program and Abstracts, p. 114, (1985).

Schwirzke, F R
Plasma formation on surfaces by microexplosions and unipolar arcing
The Conference Record, 1988 IEEE International Conference on Plasma Science, p. 30, 1988.

Schwirzke, F R; Stephenson, C O
Plasma jets emitted by unipolar arcing from plane and spherical laser targets
27th Ann. Mtg. of the Div. of Plasma Physics, APS, San Diego, CA, Nov. 4-8, 1985.
IN Bull. Am. Phys. Soc., vol. 30, p. 1601, (1985).

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).

Shapiro, M H; Haff, P K; Tombrello, T A; Harrison, D E
Simulation of isotope effects in sputtering
Nucl. Instruments and Methods in Phys. Res. (B), vol. 12, p. 137-145, (1985).

Skupniewicz, C E; Schacher, G E
Parameterization of plume dispersion overwater
Atmos. Environment, vol. 20, p. 1333, (1986).

Smith, R; Osbaldestin, A H; Carter, G; Katardjiev, I V; Nobes, M J
Simple statistical models for erosion and growth
Materials by High Fluence Beams, R. Kelly (ed)
Martinus Nijhoff, Dordrecht, 1988.

Smith, R; Walls, J M
Ion erosion in surface analysis
Chapter 2 in Methods of Surface Analysis, J.M. Walls (ed), CUP, 1988.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS (cont'd)

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).

Swift, G W; Garrett, S L
Resonance reciprocity calibration of an ultracompliant transducer
J. of the Acoustical Soc. of America, vol. 81, no. 5, p. 1619-1623, (May, 1987).

Walkup, R; Avouris, P H; Harrison, D E
Model for direct ejection of diatomic molecules by collisional sputtering
Nucl. Instruments and Methods in Phys. Res. (B), vol. 14, p. 461, (1986).

Walters, D L; Stevens, K
Atmospheric isoplantic angle measurements
Optical Society of America Annual Meeting, Seattle Washington, October, 1986.

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; 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).

Webb, R P; Harrison, D E; Jakas, M M
The computer simulation of ion induced atomic collision cascades
Nucl. Instruments and Methods in Phys. Res. (B), vol. 15, 1 p., (1986).

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).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES

Atchley, A A; Crum, L A
Acoustic cavitation and bubble dynamics
Sponsored by Physical Acoustics Research Laboratory, University of Mississippi, 1985.

Atchley, A A; Crum, L A
The nucleation of cavitation in Aqueous media
Sponsored by Physical Acoustics Research Laboratory, University of Mississippi, 1985.

Buskirk, F R; Neighbours, J R
Cerenkov radiation and electromagnetic pulse produced by electron beams traversing a finite path in air
Sponsored by Naval Sea System Command. Naval Postgraduate School, (NPS-61-86-011), Mar., 1986. 26 p.

Buskirk, F R; Neighbours, J R; Maruyama, X K
Radiation produced by the modulated electron beam of a free electron laser
Sponsored by Defense Advanced Research Projects Agency. Naval Postgraduate School, (NPS-61-86-013), June, 1986. 21 p.

Decarpigny, J N; Dehus, J C; Wilson, O B
Finite element analysis of the DT-276 hydrophone using the ATILA code
Sponsored by Naval Sea Systems Command. Naval Postgraduate School, (NPS-61-86-001), Mar., 1986.

Glass, N E
A perturbation theory for light diffraction from a bigrating with multiple surface-polariton excitation
Prepared for U.S. Army Research Office, Research Triangle Park, NC. Naval Postgraduate School, (NPS-61-87-003), Dec. 17, 1986. 18 p.

Hamonic, B F
Introductory manual for the finite-element code ATILA
Prepared for the Naval Postgraduate School, Monterey, CA., NPS61-89-006, December, 1988.

Kuntsal, E
Effects of changes in impedance on performance of the hydrophone preamplifier assembly in the BQR-7 sonar system
Prepared for Naval Sea Systems Command, Washington, DC. Naval Postgraduate School, (NPS-61-86-002). Oct., 1985. 37 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

Maruyama, X; Zurey, E C
A flash X-ray facility for the Naval Postgraduate School
Prepared for the Naval Postgraduate School, Monterey, CA., (NPS61-85-004), 1985.

Maruyama, X K; Buskirk, F R; Neighbours, J R; Fitzgerald, R D; Cromar, P F; Mack, J E
Study of off axis radiation energy deposition from 100 MEV electrons in water, liquid nitrogen, and air
Sponsored by Naval Surface Weapons Center, Naval Postgraduate School, (NPS-61-86-010), Jan., 1986. 42 p.

Milne, E A; Crittenden, E C; Engel, J; Pentz, N E; Giorgi, C. M.
Optical turbulence measurement: Investigation for analysis of laser designator spot patterns (field test)
Sponsored by U.S. Army Electronic Proving Ground, Fort Huachuca, AZ. (USAEPG-FR-1291), Feb., 1986. 128 p.

Neighbours, J; Buskirk, F R; Maruyama, X
Cerenkov and Sub-Cerenkov radiation from a charged particle beam
Sponsored by Defense Advanced Research Projects Agency, Washington, DC. Naval Postgraduate School, (NPS-61-87-004), March, 1987. 46 p.

Olsen, R C; Comfort, R H; Chandler, M O; Moore, T E; Waite, J H; Reasoner, D L; Biddle, A P
Operational characteristics
Sponsored by NASA, (TM-86527), October, 1985.

Schacher, G E
Air parcel motion at the Vandenberg hydrogen flare stacks
Sponsored by Air Force Space Div. Naval Postgraduate School, (NPS-61-86-005), Oct., 1986.

Schacher, G E
Parameterization of overwater horizontal wind variability
Sponsored by Naval Surface Weapons Center, Dahlgren, VA and NPS Research Foundation. Naval Postgraduate School, (NPS-61-86-014), June, 1986.

Schacher, G E; Larsen, S; Mikkelsen, T
Diffusion estimates handbook (Application to the space shuttle HCR exhaust cloud)
Air Force Space Div. Naval Postgraduate School, (NPS-61-86-009), Feb., 1986.

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TECHNICAL REPORTS AND NOTES (cont'd)

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.

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, C E; Schacher, G E; Vaucher, G T
Parameterization of overwater diffusion: Separation of relative diffusion and meander
Sponsored by Nav. Environ. Prediction Res. Facility, Monterey CA. (NEPRF-CR-86-02), Feb., 1986. 60 p.

Stevens, K B; Walters, D L
Remote measurement of the atmospheric isoplanatic angle and determination of refractive turbulence profiles by direct inversion of the scintillation amplitude covariance function with Tikhonov regularization
Sponsored by Defense Advanced Research Projects Agency Rome Air Developments Command. Naval Postgraduate School, (NPS-61-86-008), Dec., 1985. 168 p.

Wilson, O B; Esary, J D
Annual summary report of the Range Studies Program
Sponsored by Naval Undersea Warfare Engineering Station. Naval Postgraduate School, (NPS-61-86-003PR), Oct., 1985. 23 p.

Wilson, O B; Esary, J D
Ann. summary report, range design studies
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS-61-870-002PR), November, 1986.

Wilson, O B; Esary, J D
Annual summary report range studies program
Prepared for Naval Undersea Warfare Engineering Station, Washington, Naval Postgraduate School, (NPS-61-88-001PR), September 1987, 22 p.

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TECHNICAL REPORTS AND NOTES (cont'd)

Wilson, O B; Esary, J D
Annual summary report range studies program
Research and Engineering Department Naval Undersea Warfare Engineering Station, (NPS-61-88-001PR), January 1988, 22 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.

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, DC. Naval Postgraduate School, (NPS-68-86-002), July, 1986. 106 p.

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CONFERENCE PRESENTATIONS

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.

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
Feasibility of the Caribbean Basin Initiative: Jaimaica as a case study
20th Atlantic Econ. Conf., Washington, D.C., Aug. 29-Sept. 1, 1985.

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.

Looney, R E; Frederiksen, P
The impact of defense spending on economic performance
Atlantic Econ. Asso., St. Thomas, Virgin Islands, Apr. 15-20, 1986.

Von Pagenhardt
Global factors: Influences on intelligence (keynote address)
OSD/DIA Symp. on Intelligence and Training beyond the Year 2000, Nat. Defense Univ., Ft. McNair, Washington, DC, June 11-12, 1986.

Von Pagenhardt
Preparation for careers in international service
Careers in Int. Relations, Stanford Univ., Feb. 12, 1986.

Von Pagenhardt
Events, data, and policy analysis
International Studies Association Annual Meeting, St. Louis, March 29, 1988.

Von Pagenhardt
Reducing the unilateral Consequences of arms transfers through unilateral arms control
American Academy of Arts and Sciences, Boston, October, 1988.

Wall, K D
Bootstrapping an econometric application of the Kalman filter
ORSA/TIMS Applied Probability Group Mtg., Williamsburg, Va., Jan. 7-9, 1985.

Wall, K D
Bootstrapping the Kalman Fitter: The German hyperinflation case
9th Ann. Conf. of the Soc. for Economic Dynamics and Control, Boston College, Chestnut Hill, MA, June, 1987.

Wall, K D; Correia, C
A behaviorally based method for forcast combination
Sixth Int. Symp. on Forcasting, Paris, France, June 15-18, 1986.

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CONTRIBUTIONS TO BOOKS

Pirog, R L; Stamos, S C
Energy economics: Theory and policy
Prentice Hall, Englewood Cliffs, NJ, 1987. 328 p.

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PUBLISHED PAPERS

Bonsper, D E
Ambushed
Marine Corps Gazette, vol. 69, no. 9, p. 23-25, (Sept., 1985).

Bonsper, D E
Helpless
Marine Corps Gazette, vol. 69, no. 12, p. 20-21. (Dec., 1985).

Bonsper, D E
Hill 179
Marine Corps Gazette, vol 69, no. 7, p. 31-32, (July, 1985).

Bonsper, D E
Lost
Marine Corps Gazette, vol. 69, no. 11, p. 76-77, (Nov., 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).

Bonsper, D E
Advising in III corps
Marine Corps Gazette, vol. 70, no. 4, p. 45-46, (Apr., 1986).

Bonsper, D E
An advisor at last
Marine Corps Gazette, vol. 70, no. 3, p. 22-23, (Mar., 1986).

Bonsper, D E
Enemy trapped
Marine Corps Gazette, vol. 70, no. 6, p. 27-29, (June, 1986).

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Bonsper, D E
Escape and careless
Marine Corps Gazette, vol. 70, no. 7, p. 17-19, (July, 1986).

Bonsper, D E
Flashback
Marine Corps Gazette, vol. 70, no. 2, p. 24-25, (Feb., 1986)

Bonsper, D E
Goodbye Vietnam
Marine Corps Gazette, vol. 70, no. 9, p. 23, (Sept., 1986).

Bonsper, D E
Last days up north
Marine Corps Gazette, vol. 70, no. 1, p. 26-28, (Jan., 1986).

Bonsper, D E
Tet II
Marine Corps Gazette, vol. 70, no. 8, p. 16-17, (Aug., 1986).

Bonsper, D E; Bonsper, J
R & R
Marine Corps Gazette, vol. 70, no. 5, p. 28-31, (May, 1986)

Burmeister, E; Wall, K D
The arbitrage pricing theory and marcoeconomic factor measures
Financial Rev., vol. 21, no. 1, p. 1-20, (Feb., 1986).

Burmeister, E; Wall, K D
Unobserved rational expectations and the German hyperinflation with endogenous money
Intl. Economic Review, vol. 28, no. 1, p. 15-32, (February, 1987).

Burmeister, E; Wall, K D; Hamilton, J D
Estimation of unobserved expected monthly inflation using Kalman filtering
J. of Business & Econ. Statistics, vol. 4, no. 2, p. 147-160, (Apr., 1986).

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PUBLISHED PAPERS (cont'd)

Connolly, R A; LaCivita, C J
A note on the statistical properties of alternative q measures
Economics Letters, vol. 19, no. 2, p. 177-181, (Oct., 1985).

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
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).

LaCivita, C J
A note on the statistical properties of alternative q measures
Economics Letters, vol. 19, no. 2, p. 177-181, (Oct., 1985).

Looney, R E; Frederiksen, P
Defense expenditures external public debt and growth in developing countries
J. of Peace Res., vol. 23, no. 4, (1986).

Looney, R E; Frederiksen, P
Profiles of current Latin American arms producers
Int. Organization, vol. 40, no. 3, p. 745-752, (Summer, 1986)

Looney, R E; Frederiksen, P
The future demand for military expenditures in Argentina
Arms Control, vol. 7, no. 2, p. 197-202, (September, 1986).

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PUBLISHED PAPERS (cont'd)

Looney, R E; Frederiksen, P
Consequences of military and civilian rule in Argentina: An analysis of central government budgetary tradeoffs
Comparative Political Studies, vol. 20, no. 1, p. 34-46, (April, 1987).

Looney, R E; Frederiksen, P
Environments conducive to indigenous third world arms production
Defense Analysis, vol. 3, no. 1, p. 80-81, (March, 1987).

Looney, R E; Frederiksen, P
Fiscal policy in Mexico: The Fitzgerald thesis reexamined
World Development, vol. 15, no. 3, p. 399-404, (March, 1987).

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
Multiobjective decision techniques and defense planning: A note
Defense Analysis, vol. 2, no. 2, p. 155-157, (June, 1986).

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).

Wall, K D
Identification theory for time-varying coefficient regression models
J. of Time Series Analysis, vol. 8, no. 3, p. 359-371, (July, 1987).

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