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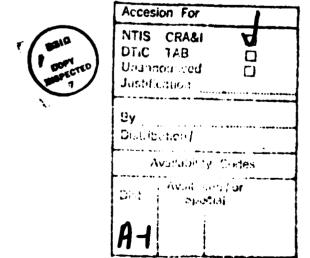
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# DEPARTMENT OF ADMINISTRATIVE SCIENCES

# DEPARTMENT OF ADMINISTRATIVE SCIENCES CONFERENCE PRESENTATIONS

- 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.
- Binkin, M; Eitelberg, M J
  Women and minorities in the All Volunteer Force
  DoD Conf.: AVF Retrospect and prospect, U.S. Naval
  Acad., Annapolis, Md., Nov., 1983.
- Bloxom, B M
  Characterizing a distribution by its hazard function
  Psychometric Soc. Conf., Los Angeles, Calif., June
  26-29, 1983.
- Bloxom, B M
  A constrained spline estimator of a hazard function
  Psychometrika, vol. 50, no. 3, p. 301-321, (Sept., 1985).
- Bloxom, B M
  Comparing hazard functions
  Ann. Mtg. of Soc. for Mathematical Psychol., Univ. of Calif. San Diego, Aug. 28-30, 1985.
- Bloxom, B M
  Considerations in psychometric modelling of response time
  Ann. Mtg. of Psychometric Soc., Vanderbilt Univ., Nashville, Tenn., June 2-4, 1985.

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- Bloxom, B M
  Considerations in psychometric modelling of response time
  European Mtg. of Psychometric and Classification
  Societies, Queens College, Cambridge, England, July 2-5, 1985.
- Boger, D C
  Use of the Rayleigh technique in program cost management
  ASD/Industry Cost Estimating Workshop, Naval
  Postgraduate School, Monterey, Calif., May, 1983.
- 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.

BACAGO CONTRACTOR CONT

# DEPARTMENT OF ADMINISTRATIVE SCIENCES CONFERENCE PRESENTATIONS (cont'd)

- Boger, D C
  Statistical modeling of quarterly contractor overhead costs
  19th Ann. DoD Cost Analysis Symp., Leesburg, Va., Sept. 18, 1985.
- Boger, D C
  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; 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; Jones, C R; Lyons, N R
  Improving federal information systems management:
  Technological opportunities and social constraints
  4th Ann. Int. Conf. on Information Systems, Houston,
  Tex., Dec. 12-14, 1983.
- Boger, D C; Jones, C R; Sontheimer, K C Life cycle contracting: The path to minimum acquisition costs 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.
- 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; Jarke, M
  A decision support system for cooperative multiple criteria group decision making
  5th Int. Conf. on Information Systems, Tucson, Ariz., Nov., 1984.

# DEPARTMENT OF ADMINISTRATIVE SCIENCES CONFERENCE PRESENTATIONS (cont'd)

- 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.
- 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.
- Dolk, D R
  Anatomy of an econometric model management system
  ORSA/TIMS Conf., Dallas, Tex., Nov. 1984.
- Dolk, D R
  Data as models: An approach to implementing model
  management
  Model Manage. Workshop, Austin, Tex., May 15-17,
  1984.
- 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.
- 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.

SOCIETA DECOCOCIO DE CONTROL DECOCOCIO DE CONTROL DE CO

- 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.

# DEPARTMENT OF ADMINISTRATIVE SCIENCES CONFERENCE PRESENTATIONS (cont'd)

- 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; 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; 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.
- Evered, R
  Paradigms in strategic management
  1st Int. Conf. on Strategic Manage., Univ. of Texas Arlington. 1983.
- Evered, R
  The Falklands War: Intercultural and transcultural issues
  Int. Soc. of Political Psychol. Conf., Oxford Univ., England, July, 1983.
- Goral, J R
  The DoD Personnel Security Research Program: Initial
  USAF findings and future areas of study
  1984 Worldwide Information Security Workshop,
  Kirtland Air Force Base, N. M., Oct. 29 Nov. 2,
  1984.
- Greer, W R; Liao, S S Contractor hungriness and the relative profitability of DoD business 1983 Federal Acquisition Res. Symp., Williamsburg, Va., Dec. 7-9, 1983.
- 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.

- NAVAL POSTGRADUATE SCHOOL
  MORTEREY, California

  DEFARTMENT OF ADMINISTRATIVE SCIENCES
  CONFERENCE PRESENTATIONS (cont'd)

  La Patra, JW, Pierson, C. E.
  Increasing the survival programment of the survival survi

# DEPARTMENT OF ADMINISTRATIVE SCIENCES CONFERENCE PRESENTATIONS (cont'd)

- Liao, S S; Thomas, G W
  Economic factors and the retention of military
  careerists
  TIMS/ORSA Joint Nat. Mtg., Chicago, Ill., Apr., 1983.
- McCaffery, J L
  Comparison of state and provincial budget systems with
  Ontario and California used as models
  Workshop on Comparative Canada/U.S. Public Policy,
  Univ. of Calif. Berkeley, Apr. 22-23, 1985.
- McMasters, A W
  Design stability and stock coordination
  Logistics Res. and Applications Symp., Naval
  Postgraduate School, May 7, 1983.
- McMasters, A W
  A multi-period repair parts inventory model for a Navy repair depot
  1984 Joint ORSA/TIMS Nat. Mtg., Dallas, Tex., Nov. 26-28, 1984.
- 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.
- Moore, T P
  A classification hierarchy for repairable equipment logistic systems
  TIMS/ORSA Joint Nat. Mtg., Boston, MA, Apr. 29 May 1, 1985.

# DEPARTMENT OF ADMINISTRATIVE SCIENCES CONFERENCE PRESENTATIONS (cont'd)

- 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.
- Nieboer-Turpin, N A
  Project Interest Inventory: An overview
  Am. Vocational Assoc. Ann. Conv., New Orleans, La.,
  Dec., 1984.
- Nieboer-Turpin, N A
  Testing and career guidance: A military connection
  Am. Assoc. for Counseling and Develop. Ann. Conv.,
  New York, N. Y., Apr., 1985.
- 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: Organizational development and the military
  The Int. Conf. on Organization Symbolism and Corporate Culture, Montreal, Canada, June 25-27, 1985.
- Roberts, N C
  Holonomic power structures & Cognitive maps
  Sunbelt VI Social Network Conf., Santa Barbara, CA,
  Feb. 13-16, 1986.
- 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.

ፚቔፙኯዄቔፚቔቜቔቔቔቔቔቔጜኯዄፘኯዄፘኯዀጚኯጟኯጟኯጟኯዄቔቜዄቜዀጜኯፙኯፚኯፚኯፚኯቜቜቜቜቜቜቜቜቜቜጜዀፙኯቜኯቜኯቜኯቜኯቜኯቜኯቜኯቜኯቜኯቜኯቜኯቜኯ

# DEPARTMENT OF ADMINISTRATIVE SCIENCES CONFERENCE PRESENTATIONS (cont'd)

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.

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, N F
A complexity metric which integrates structural and textual metrics
IEEE 2nd Ann. Phoenix Conf., Phoenix, Ariz., Mar., 1983.

Schneidewind, N F
Functional approach to the design of a local network: A
Naval Logistics System example
26th IEEE Computer Soc. Int. Conf., San Francisco,
Calif., Mar., 1983.

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  DEPARTMENT OF ADMINISTRATIVE SCIENCES
  CONFERENCE PRESENTATIONS (cont'd)

  Schneidewind, N F
  Future of networking (Panel member)
  Schneidewind, N Schneid

# DEPARTMENT OF ADMINISTRATIVE SCIENCES CONFERENCE PRESENTATIONS (cont'd)

- Solnick, L M
  Promotions, pay, performance ratings and voluntary separations
  12th Annual Convention, Eastern Econ. Asso.,
  Philadelphia, PA, Apr., 1986.
- Suchan, J Group decimion 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.
- 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: Boya, U
  Readability formulas and print ads: Problems and a new approach.
  Am. Marketing Asso. Educators' Conf., Chicago, IL, Aug., 1986.
- 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.
- Weitzman, R A
  A small-sample estimator of Rasch-model item difficulty
  Psychometric Soc. Ann. Mtg., Los Angeles, Calif.,
  June 27-29, 1983.

# DEPARTMENT OF ADMINISTRATIVE SCIENCES CONFERENCE PRESENTATIONS (cont'd)

- Weitzman, R A
  Application of the Rasch model to multiple-choice tests
  Military Testing Assoc. Conf., Munich, F. R. G.,
  Nov., 1984.
- Weitzman, R A
  Stepwise pattern analysis of Navy attrition data
  Am. Psychological Assoc., Los Angeles, Calif., Aug.,
  1985.
- Weitzman, R A UML and CML Rasch calibration of multiple-choice items Psychometric Soc. Mtg., Nashville, Tenn., June, 1985.
- Whipple, D R; Tweeddale, J
  Policy issues in the development of the defense
  industrial base: The role of productivity enhancement
  Assoc. for Public Policy Analysis and Manage. Conf.,
  Philadelphia, Pa., Sept., 1983.

- NAVAL POSTURADUATE SCHOOL
  MONTEREY, California

  DEPARTMENT OF ADMINISTRATIVE SCIENCES

  CONTRIBUTIONS TO BOOKS

  Binkin, N. Eitelberg M J
  MOMEN and minorities in the all-volunteer force and in the all-volunteer force after a feet of Retrospect and Prospect New York N. Perganno-brassey s. 1986, p. 73-102.

  Blokom, B M Servando-brased S. 1986, p. 73-102.

  Blokom, B M Servando S. 1986, p. 303-328.

  Boder, D C G Servando S. 1983, p. 303-328.

  Boger, D C G Private and social costs in inland waterway freight T improved the soc

# DEPARTMENT OF ADMINISTRATIVE SCIENCES CONTRIBUTIONS TO BOOKS (cont'd)

- Euske, K J
  Budgeting and public management
  IN J. Rabin and T. D. Lynch, eds: Handbook on
  public budgeting and financial management, New
  York, N. Y., Marcel Dekker, Inc., Inc., 1983,
  p. 401-415.
- Euske, K J
  The budget as a management control device
  IN J. Rabin and T. D. Lynch: Handbook on public
  budgeting and financial management,
  Marcel-Dekker, Inc., 1983.
- Euske, K J
  Management control: Planning, control, evaluation and
  measurement
  Reading, Mass., Addison, Wesley Publ. Co., 1984. 150
  p.
- Evered, R
  The language of organizations: The case of the Navy
  IN L. R. Pondy, et al., eds: Organizational
  symbolism, Greenwich, Conn., JAI Press, 1983,
  p. 125-143.
- Evered, R
  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
  Relevant costs and decision techniques
  IN J. Bulloch, et al., eds.: Accountants' cost
  handbook, 3rd ed., New York, N. Y., J. Wiley &
  Sons, 1983, 31 p.
- Greer, W R; Liao, S S
  A new look at risk and profitability in defense
  contracting
  IN J. Whelan, Ed.: Yearbook of procurement
  articles, Federal Publications, Inc., 1985. P.
  637-646.
- Harris, R T; Cahn, M M; eds.
  Utilization of applied behavioral science knowledge and technology: An international perspective Greenwich, Conn., JAI Press, 1983. 300 p.

# DEPARTMENT OF ADMINISTRATIVE SCIENCES CONTRIBUTIONS TO BOOKS (cont'd)

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

# DEPARTMENT OF ADMINISTRATIVE SCIENCES CONTRIBUTIONS TO BOOKS (cont'd)

POSSESSO POSSESSO DE L'ALLA DE SESSESSO DE L'ALLA DE SESSESSO DE L'ALLA DE SESSESSO DE SESSES

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.

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

CONTRACTOR OF THE PROPERTY OF

# DEPARTMENT OF ADMINISTRATIVE SCIENCES PUBLISHED PAPERS

- 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).
- Arnold, R S; Schneidewind, N F; Zvegintzov, N Software maintenance workshop Communications of the Assoc. for Computing Machine., vol. 27, no. 11, p. 1120-1121, (Nov., 1984).
- Basili, V; Belady, L; Miyamoto, I; Schneidewind, N F
  On maintaining quality software
  6th Int. Conf. on Software Eng., Tokyo, Japan, Sept.,
  1982.
  IN Proc., Information Processing Soc. of Japan, 11
  p., (1983).
- Boger, D C
  Statistical modeling of overhead costs
  Eng. Costs and Production Economics, vol. 8, no. 3,
  p. 145-166, (Dec., 1984).
- Boger, D C
  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; 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; Jones, C R; Sontheimer, K C
  What are the incentives in incentive contracts?
  Defense Manage. J., vol. 19, no. 1, p. 16-22, (1st Qtr., 1983).
- Boger, D C: Liao, S S
  Estimating nonrecurring costs for dual sourcing decisions
  J. of Parametrics, vol. 6, no. 2, p. 66-78, (June, 1986).

# DEPARTMENT OF ADMINISTRATIVE SCIENCES PUBLISHED PAPERS (cont'd)

- 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).
- Brubaker, E R
  Effecient allocation and unanimous consent with incomplete demand disclosures
  Public Choice, vol. 48, no. 3, p. 217-227, (1986).
- Bui, T
  Building effective multiple criteria decision models: A
  decision support system approach
  Systems, Objectives, Solutions, vol. 4, p. 1-13,
  (1984).
- 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
  A decision support system for cooperative multiple criteria group decision making
  5th Int. Conf. on Information Systems, Tucson, Ariz., Nov., 1984.
  IN Proc., TIMS and Soc. of Information Systems, p. 101-113, (Nov., 1984).
- 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; Jarke, M
  Communications design of Co-oP: A group decision support system
  ACM Transactions on Office Information Systems, vol. 4, no. 2, (Apr., 1986).

# DEPARTMENT OF ADMINISTRATIVE SCIENCES PUBLISHED PAPERS (cont'd)

- Bui, T; Jarke, M Communications requirements for group decision support systems J. of Manage. Information Systems, vol. 2, no. 4, (Spring, 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).
- 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; Konsynski, B R Knowledge representation for model management systems IEEE Trans. Software Eng., vol. 10, no. 6, p. 619-627, (Nov., 1984).
- 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).

# 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
  Control and comptroller
  Armed Forces Comptroller, vol. 28, no. 2, p. 10-14,
  (Spring, 1983).
- Euske, K J
  Measurement: Key to successful planning, control, and evaluation
  Armed Forces Comptroller, vol. 28, no. 4, p. 18-21, (Fall, 1983).
- Euske, K J; 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).
- 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).

# DEPARTMENT OF ADMINISTRATIVE SCIENCES PUBLISHED PAPERS (cont'd)

- Euske, K J; Rock, Jr., C T

  The application of human resource accounting to the evaluation of training sources

  J. Accounting and Public Policy, vol. 2, no. 2, (Spring, 1983).
- Evered, R
  So what is strategy?
  J. Long Range Planning, vol. 16, no. 3, p. 57-72,
  (July, 1983).
- Evered, R
  Who's talking about the future? An analysis of the U.
  S. presidents
  Technological Forecasting and Social Change, vol. 24, p. 61-77, (July, 1983).
- Fremgen, J M
  On the role of depreciation in governmental accounting Government Accountants J., vol. 34, no. 4, p. 10-23, (Winter, 1985-86).
- Greer, W R
  The real rate mortgage instrument
  J. Retail Banking, p. 47-56, (Winter, 1983).
- Greer, W R
  Where have all the deep discounts gone?
  J. Accounting and Public Policy, p. 133-140, (Summer, 1983).
- Greer, W R
  Why doesn't PERT work?
  Resource Manage. J., p. 27-31, (Summer, 1983).
- Greer, W R; 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).

# DEPARTMENT OF ADMINISTRATIVE SCIENCES PUBLISHED PAPERS (cont'd)

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

Sasson constant control control control control control control control control control control

- La Patra, J W; Pierson, C E
  Mixed media routing as a strategy to enhance emergency
  communication network survival
  IEEE Global Telecommunications Conf., New Orleans,
  La., Dec., 1985.
  IN Proc., (1985).
- Lamm, D V
  Progress on five educational fronts
  Contract Manage., vol. 24, no. 10, p. 30 31, (Oct., 1984).

AND BEELEGA" TOSSESSA" KARESKA TVATARA SOOTAAN ARESSES WATHER KARESKA

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).

# DEPARTMENT OF ADMINISTRATIVE SCIENCES PUBLISHED PAPERS (cont'd)

- 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).
- 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; Herndo, E L Architect and engineering contracts: New insights into cost estimation Nat. Contract Manage. J., vol. 17, no. 1, p. 51-58, (Summer, 1983).
- Liao, S S; Thomas, G W
  A personnel planning model: Estimating the turnover among experienced military employees
  Defense Analysis, vol. 1, no. 4, (1985).
- McCaffery, J L
  Canada's envelope budget: A strategic management system
  Public Administration Rev., vol. 44, no. 4, p.
  316-323, (July/Aug., 1984).
- McCaffery, J L
  Expertise, momentum and innovation: The logic for a productivity bank
  Nat. Civic Rev , vol. 77, no. 1, p. 21-26, (Jan., 1985).

# DEPARTMENT OF ADMINISTRATIVE SCIENCES PUBLISHED PAPERS (cont'd)

- McMasters, A W
  A multi-period repair parts inventory model for a Navy repair depot
  1984 Joint ORSA/TIMS Nat. Mtg., Dallas, Tex., Nov.
  26-28, 1984.
  IN ORSA/TIMS Bull. no. 18, p. 247, (Sept., 1984).
- 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).
- 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).

TOOKS OF BEHIND BOKEN WINDOWS FOLKEN FOR SOME FOR SOME

- 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).
- Moses, O D
  Rationality, ambiguity and management information
  systems
  Business Forum, vol. 9, no. 4, p. 8-11, (Fall, 1984).
- 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).

# DEPARTMENT OF ADMINISTRATIVE SCIENCES PUBLISHED PAPERS (cont'd)

- Moses, O D; Liao, S S Predicting contractor financial stability: New insight for source selection Program Manager, (Nov.-Dec., 1986).
- 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; 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).
- Schneidewind Introducing the fundamental concepts series IEEE Software, vol. 3, no. 6, p. 58-59, (Nov., 1986).
- 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)

# DEPARTMENT OF ADMINISTRATIVE SCIENCES PUBLISHED PAPERS (cont'd)

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

Schneidewind, N F
A complexity metric which integrates structural and textual metrics
IEEE 2nd Ann. Phoenix Conf., Phoenix, Ariz., Mar., 1983.
IN Proc., Computer Soc. Press, 5 p., (1983).

Schneidewind, N F
Functional approach to the design of a local network: A
Naval Logistics System example
26th IEEE Computer Soc. Int. Conf., San Francisco,
Calif., Mar., 1983.
IN Digest of papers, Computer Soc. Press, 6 p.,
(1983).

Schneidewind, N F
Interconnecting local networks to long-distance networks
Computer, vol. 16, no. 9, 10 p., (Sept., 1983).

Schneidewind, N F
Future of networking (Panel member)
National Computer Conference, Chicago, Ill., July 18, 1985.
IN Proc., AFIPS Press, p. 648, (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. IN Proc. IEEE, p. 932-936, (Oct., 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).

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

# DEPARTMENT OF ADMINISTRATIVE SCIENCES PUBLISHED PAPERS (cont'd)

- 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, T R
  Intelligent model management for actuarial decision support
  ACM South-Central Conf., Austin, Tex., Nov., 1984.
  IN Proc., (Nov., 1984).
- Sivasankaran, T R; Hinson, C
  Role of artificial intelligence in text processing instruction
  DATACON Educators' and Trainers' Conf., St. Louis, Mo., Sept., 1985.
  IN Proc., ASM & DPMA, p. 56-62, (Sept., 1985).
- Sivasankaran, T R; Jarke, M Knowledge-based approach for model management in an actuarial consulting system 6th European Conf. on Artificial Intelligence, Pisa, Italy, Sept., 1984. IN Proc., (Sept., 1984)
- Sivasankaran, T R; Jarke, M
  A knowledge-based statistical system for actuarial consultation and tutoring
  ACM Technical Symp. on Intelligent Systems: Their Development and Application, Washington, D.C., June, 1985.
  IN Proc., ACM, p. 129-133, (June, 1985).
- 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; 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).

THE STATE OF THE S

# DEPARTMENT OF ADMINISTRATIVE SCIENCES PUBLISHED PAPERS (cont'd)

TOTAL TO MESSESSION DISSESSED SOCIETY BOSSIONS BOSSION BOSSION BESTERRE BESTERRE BOSSION BOSSI

- 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, G W
  Military parental effects and career orientation under the AVF: Enlisted personnel
  Armed Forces and Soc., vol. 10, no. 4, (1984).
- Thomas, G W; Mitchell, M
  Operations research in the U. S. Marine Corps
  Interfaces, vol. 13, no. 3, p. 81-90, (June, 1983).
- Thomas, G W; Mitchell, M
  Use of operations research in the U. S. Marine Corps
  Interfaces, (Feb., 1983).
- Weitzman, R A
  Use of sequential testing to pre-screen prospective recruits for military service
  Computerized Adaptive Testing Conf., Minneapolis, Minn., (1983).
  IN Proc., Univ. of Minn. Press, (1983).

EXCENSE EXCESSES BOOKERS (ESTABLISHED STREET)

PROCESSES PROCESSES PROCESSES

j

- Weitzman, R A
  Application of the Rasch model to multiple-choice tests
  Military Testing Assoc. Conf., Munich, F. R. G.,
  Nov., 1984.
  IN Proc., (1984).
- Weitzman, R A
  Test review of the Armed Services Vocational Aptitude
  Battery
  IN Ninth mental measurements yearbook, Buros
  Inst. of Mental Measurements, Univ. of Nebraska
   Lincoln, 1985, p. 83-85.

## DEPARTMENT OF ADMINISTRATIVE SCIENCES TECHNICAL REPORTS AND NOTES

- Boger, D C
  Statistical models for estimating overhead costs
  Prepared for Office of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-54-83-014), Oct.,
  1983. 44 p.
- Boger, D C; Jayachandran, T Evaluating alternative long range forecasts of inflation Prepared for Office of the Assistant Secretary of Defense (Comptroller), Washington, D.C. Naval Postgraduate School, (NPS-54-84-0021), July, 1984.
- Boger, D C; 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; Lyons, N R
  A productivity enhancement study of the FMSO software effort
  Prepared for Fleet Material Support Office,
  Mechanicsburg, Pa. Naval Postgraduate School,
  (NPS-54-83-013), Nov., 1983. 63 p.
- Boger, D C; 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.

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

- Borack, J; Mehay, S; Thomas, G W
  Post high school market study plan
  Prepared for U.S. Army Recruiting Command. Naval
  Postgraduate School, (NPS-54-85-007), Sept., 1985.
  58 p.
- Dickens, C J; McMasters, A W
  An inventory model for management of U. S. Coast Guard clothing facilities
  Naval Postgraduate School, (NPS-54-83-005), June, 1983. 84 p.
- Dolk, D R
  A knowledge-based system for LP modeling
  Naval Postgraduate School, (NPS-54-83-012), Sept.,
  1983. 22 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.
- 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.
- 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; 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.

TON STORE

ELLI COLOR

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

- Euske, K J; Thomas, G W; Smith, D F
  Estimating parametric relationships endogenous to
  simulation models: An example using military retirement
  costing
  Naval Postgraduate School, (NPS-54-85-009), Aug.,
  1985.
- Euske, K J; Wheeler, G M; Mullane, J F
  An analysis of evaluator bias in the Marine Corps Combat
  Readiness Evaluation System
  Naval Postgraduate School, (NPS-54-84-016), Aug.,
  1985.
- Goral, J R
  DIS investigations and clearance eligibility of Air
  Force enlistees requiring BIs and SBIs
  Office of the Deputy UnderSecretary of Defense for
  Policy, (PSRP no. 85-1), Oct., 1984. 9 p.
- Goral, J R
  Identification of unnecessary background investigations
  Office of The Deputy UnderSecretary of Defense for
  Policy, (PSRP no. 85-3), Dec., 1984, 6 p.
- Goral, J R
  Personnel security investigations: Service differences
  for similar occupations
  Office of the Deputy UnderSecretary of Defense for
  Policy. (PSRP no. 85-4), Dec., 1984. 10 p.
- Goral, J R
  The DoD Personnel Security Research Program: Initial
  Air Force findings and future areas of study
  Office of the Deputy UnderSecretary of Defense for
  Policy, (PSRP no. 85-2), Nov., 1984. 18 p.
- Goral, J R
  A census of key data elements in the Defense Central
  Index of Investigations (As of 1 April 1985)
  Office of The Deputy UnderSecretary of Defense for
  Policy, (PSRP no. 85-9), June, 1985. 17 p.
- Goral, J R
  Cleaning up the periodic review backlog: Estimates of the numbers and location of military subjects
  Office of the Deputy UnderSecretary of Defense for Policy, (PSRP no. 85-10), Aug., 1985. 17 p.

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

- 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.
- Goral, J R
  Most recent DIS investigation and clearance information in the DCII at the beginning of fiscal year 1985
  Office of The Deputy UnderSecretary of Defense for Policy, (PSRP no. 85-5), Mar., 1985. 18 p.
- Goral, J R
  Number and locations of DoD civilian employees likely to require security investigation updates by the end of fiscal year 1986
  Office of the Deputy UnderSecretary of Defense for Policy, (PSRP no. 85-12), Sept., 1985. 14 p.
- Goral, J R
  Pinpointing the location of potential military periodic review subjects
  Office of the Deputy UnderSecretary of Defense for Policy, (PSRP no. 85-14), Sept., 1985. 12 p.

KKKKI ZETETIOVINIO VINIONIO SKISKINIO KKKKKKI KKKKKI KKKKKI BEKKKII BEKKKKI BAATES BAATES KKKKKII BEKK

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.

J

- Goral, J R
  Use of DISCO files to identify and locate potential periodic review subjects
  Office of the Deputy UnderSecretary of Defense for Policy, (PSRP no. 85-13), Sept., 1985. 12 p.
- Greer, W R; Liao, S S
  Cost analysis for dual-source weapons procurement
  Prepared for Office of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-54-83-011), Oct.,
  1983. 130 p.

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

- Gullickson, G G; Chenette, R D; Harris, R T
  Excellence in the Surface Navy: Final report from
  January 1984 to June 1984
  Prepared for Naval Military Personnel Command (N-6),
  Washington, D.C. Naval Postgraduate School,
  (NPS-54-84-026), Oct. 22, 1984. 269 p
- Henderson, D R
  Achieving level-loaded accessions in the Navy: Uniform versus targeted bonuses
  Deputy Chief of Naval Operations for Manpower Personnel and Training, (Technical rep.), Mar., 1985. ll 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.
- 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.

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

- 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, D D; Liao, S S
  Predicting contractor financial stability: New insight for source selection
  Naval Postgraduate School, (NPS-54-86-03), Mar., 1985. 20 p.
- Moses, O D
  Analysts earnings forecasts: An alternative data source for failure prediction
  Naval Postgraduate School, (NPS-54-86-015), Nov.,
  1986. 39 p.
- Moses, O D
  Income smoothing research methodology and models
  Naval Postgraduate School, (NPS-54-86-004), May,
  1986. 53 p.
- Moses, O D
  Income smoothing: Methodology and models
  Naval Postgraduate School, (NPS-54-86-004), May,
  1986. 58 p.
- Moses, O D
  Tests of the usefulness of analyst earnings forecast data in predicting bankruptcy of public corporations
  Naval Postgraduate School, (NPS-54-86-011), Oct., 1986. 124 p.
- 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.

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

- Nieboer-Turpin, N A
  Evaluation of commercial aptitude testing as a supplement to the DoD Student Testing Program
  Office of the Asst. Secty. of Defense for Manpower, Installations and Logistics, Director of Accession Policy, (Technical rep.), July, 1984. 111 p.
- Nieboer-Turpin, N A
  Offering commercial aptitude testing in the Department
  of Defense Student Testing Program: A continuation in
  school year 1983-84
  Office of the Asst. Secty. of Defense for Manpower,
  Installations and Logistics, Director of Accession
  Policy, (Technical rep.), June, 1985. 111 p.
- Pasquier, J; Bui, T ELECTRE 3, a multiple criteria decision method for ranking alternatives Inst. of Econ. and Social Sciences, Fribourg, Switzerland, Nov., 1986.
- Richards, F R; McMasters, A W
  Wholesale provisioning models: Model development
  Prepared for Navy Fleet Material Support Office,
  Mechanicsburg, Pa. Naval Postgraduate School,
  (NPS-55-83-026), Sept., 1983. 60 p.
- Schneidewind
  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.
- Schneidewind, N F; Dolk, D R
  A distributed operating system design and dictionary/directory for the stock point logistics integrated communications environment
  Prepared for Fleet Material Support Office,
  Mechanicsburg, Pa. Naval Postgraduate School,
  (NPS-54-83-015), Nov., 1983. 73 p.
- Sivasankaran; Bui, T Cost-effectiveness Modeling for a DSS in computer security Naval Postgraduate School, (NPS-54-86-008), Jul., 1986. 37 p.

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

- 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.
- Thomas, G W
  Feasibility of modelling the supply of older age accessions: Final report for the period July, 1982 Sept., 1982
  Prepared for Navy Personnel R & D Center, San Diego, Calif. Naval Postgraduate School, (NPRDCTR-83-17), May, 1983. 33 p.
- Thomas, G W
  Organizational following and career orientation of
  military officers
  Naval Postgraduate School, (NPS-54-85-002), May,
  1985. 30 p.
- Thomas, G W; Elster, R S; Euske, K J; Griffin, P
  Attrition-Seventy Index (ADI) for selected Navy ratings:
  Development
  Naval Personnel Res. and Develop. Center,
  (NPRDC-TR-85-1), Oct., 1984. 35 p.
- Thomas, G W; Euske, K J; Smith, D F
  Estimating relationships in simulation models using regression: An application to military retirement costing
  Prepared for UnderSecretary of Defense for Manpower, Installations and Logistics. Naval Postgraduate School, (NPS-54-85-010), Sept., 1985. 25 p.

OF THE STREET STREET, STREET,

- Weitzman, R A
  Racial bias and predictive validity in testing for selection
  Naval Postgraduate School, (NPS-54-83-008), July, 1983. 37 p.
- Weitzman, R A
  Small-sample calibration of Rasch-model items: The
  multiple log method
  Naval Postgraduate School, (NPS-54-83-010), Sept.,
  1983. 27 p.

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

- Weitzman, R A
  The reliability of observed multinomial frequencies and the estimation of true values
  Naval Postgraduate School, (NPS-54-83-009), Sept., 1983. 15 p.
- Whipple, D R; LaPatra, J
  An evaluation of the Defense Productivity Program Office activities and organization: Final report
  Prepared for Office of Ass't Secty. of Defense, (Manpower, Reserve Affairs and Logistics), CIVPER Policy, Washington, D.C., (Tech. rep.), Apr., 1983. 95 p.
- Zimmerman, D; Zimmerman, R; King, W
  Development and validation of preenlistment screening composites for army enlisted personnel
  U.S. Army Recruiting Command, Program Analysis and Evaluation Directorate Res. Studies Div., (USARECSR-85-2), July, 1985. 159 p.
- Zimmerman, R; Zimmerman, D
  Recruitment of college-bound youth through use of the ACT assessment file
  U.S. Army Recruiting Command, Program Analysis and Evaluation Directorate Res. Studies Div., (USAREC SR-85-1), July, 1985. 129 p.
- Zimmerman, R; Zimmerman, D; Lathrop, M
  Study of factors related to Army delayed entry program attrition
  U.S. Army Recruiting Command, Program Analysis and Evaluation Directorate Res. Studies Div. (USAREC SR-85-3), 1985. 112 p.

# DEPARTMENT OF AERONAUTICS

## DEPARTMENT OF AERONAUTICS CONFERENCE PRESENTATIONS

- Abramovich, S; Fuhs, A E Some characteristics of isentropic plumes of underexpanded free jets AIAA Aerospace Sciences Mtg., Reno, Nev., Jan., 1985.
- Ball, R E
  Education in aircraft combat survivability at NPS
  2nd Ann. AAAA Aircraft Survivability Equipment (ASE)
  Symp., Dallas, Tex., Nov. 7-9, 1984.
- 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.
- 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.
- 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.

#### DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS (cont'd)

- Harch, W H; Collins, D J; Platzer, M F
  A description of the velocity field of a vane-excited
  jet
  8th Australasian Fluid Mechanics Conf., Newcastle,
  Australia, Nov. 28 Dec. 2, 1983.
- Harri, R K; Lee, Y S; Hickey, P J; Graham, K J; Powers, J P; Netzer, D W Experimental techniques for obtaining particulate behavior in metallized solid propellant combustion 21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4, 1984.
- Kol, J; Fuhs, A E; Berger, M Experimental investigation of aluminum combustion in steam AIAA Aerospace Sciences Mtg., Reno, Nev., Jan., 1985.
- 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.
- 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.
- Layton, D M; Wrobleski, J J

  The lateral response of an airship to turbulence

  5th Lighter-than-air Technol. Conf., Anaheim, Calif.,
  July, 1983.
- Netzer, D W
  SFRJ combustor modelling
  JANNAF Workshop on Evaluation of Operational and
  Cycle Analysis for the Solid Fuel Ramjet Naval
  Weapons Center, China Lake, Calif., July 16-17, 1985.
- 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.

#### DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS (cont'd)

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

#### DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS (cont'd)

Powers, J P; Shavit, Z; Biblarz, O; Miller, J A
Variable focal length radiometer for particle sizing
ICIASF '85 (11th Int. Cong. on Instrumentation in
Aerospace Simulation Facilities), Stanford Univ.,
Aug. 26-28, 1985.

# 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.

Miller, J A; Morel, T
Aerodynamics of transportation: Vol. II
New York, N. Y., Am. Soc. of Mech. Engrs., 1983. 250
p.

## 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).
- Fuhs, A E; Buck, J A; Hallenbeck, A E; Strott, J B
  Metal combustion in steam
  Am. Soc. of Nav. Engrs. J., vol. 97, no. 3, p. 65-79,
  (Mar., 1985).
- Gany, A; Netzer, D W
  Combustion studies of metallized fuels for solid fuel ramjets
  AIAA/SAE/ASME/ASEE 21st Joint Propulsion Conf.,
  Monterey, Calif., July 8-10, 1985.
  IN Conf. preprint, AIAA-85-1177, (1985).
- Gany, A; Netzer, D W
  Thermochemical evaluation of fuel candidates for ramjet propulsion
  27th Israel Conf. on Aviation and Astronautics, Tel
  Aviv, Israel, Feb. 1985
  IN Proc., p. 210-219, (1985).
- 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
   Combustion studies of metallized fuels for solid-fuel
   ramjets
   J. of Propulsion and Power, vol. 2, no. 5, p.
   423-427, (Sept.-Oct., 1986).

#### DEPARTMENT OF AERONAUTICS

#### PUBLISHED PAPERS

(cont'd)

- Harri, R K; Lee, Y S; Hickey, P J; Graham, K J; Powers, J P; Netzer, D W
  Experimental techniques for obtaining particulate behavior in metallized solid propellant combustion 21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4, 1984.

  IN Proc., C.P.I.A., p. 1-14, (1985).
- Healey, J V
  The effects of non-coherence on energy extraction from a turbulent wind
  Wind Eng., vol. 8, no. 4, p. 221-230, (1984).
- 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).
- 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).
- Layton, D M; Wrobleski, J J

  The lateral response of an airship to turbulence
  5th Lighter-than-air Technol. Conf., Anaheim, Calif.,
  July, 1983.
  IN Proc., AIAA, (1983).

#### DEPARTMENT OF AERONAUTICS

#### PUBLISHED PAPERS

(cont'd)

- Metochianakis, M E; Netzer, D W Modeling solid-fuel ramjet combustion, including radiation to the fuel surface
  J. Spacecraft and Rockets, vol. 20, no. 4, p. 405-406, (July-Aug., 1983).
- 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 W; Katz, U
  Combustion pressure oscillations in solid fuel ramjets
  ONR/AFOSR Workshop on Mechanisms of Instability in
  Liquid-fueled Ramjets, Atlanta, Ga., Mar. 16-18,
  1983.
  IN Proc., (Chem. Propulsion Information Agency
  publication; no. 375), p. 71-87, (Apr., 1983).
- Netzer, D W; Powers, J P
  Combustion/particle sizing experiments at the Naval
  Postgraduate School Combustion Research Laboratory
  Workshop on Automated Reduction of Data from Images
  and Holograms, NASA Ames, Mountain Vi w, 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).

#### DEPARTMENT OF AERONAUTICS

#### PUBLISHED PAPERS

(cont'd)

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).

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).

And posterior account accessor recorded records

## 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.
- Erwin, J R; Phillips, R; Schulz, H D; Shreeve, R P
  Development of a centrifugal diffuser test device
  (CDTD): Part I- Design and construction of low speed
  apparatus. Interim report for period May 1982 April
  1983.
  Naval Postgraduate School, (NPS-67-84-003PR), Sept.,
  1984. 45 p.
- Gany, A; Netzer, D W
  Fuel performance evaluation for the solid-fueled ramjet
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-67-84-012), Oct.,
  1984 35 p.
- Healey, J V
  Helicopter ship interface study
  Sponsored by NAVAIR (Air Vehicle Division), Dept. of
  the Navy, Washington, DC. Naval Postgraduate School,
  (NPS-67-86-003), Sept. 30, 1986. 72 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.
- Schulz, H D; Neuhoff, F; Hirsch, C; Shreeve, R P
  Application of finite element code Q3DFLO-81 to
  turbomachinery flow fields
  Sponsored by Naval Air Systems Command. Naval
  Postgraduate School, (NPS-67-84-003PR), Sept., 1984.
  53 p.
- Schulz, H D; Shreeve, R P
  Development of a centrifugal diffuser test device
  (CDTD): Part II Initial measurements and flow
  analysis. Interim report for period May 1983 April
  1984.
  Naval Postgraduate School (NPS-67-84-004PR), Sept.,
  1984. 50 p.

# DEPARTMENT OF AERONAUTICS TECHNICAL REPORTS AND NOTES (cont'd)

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

## 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.
- Badal, D Z
  Long-lived transactions: Are they a problem or not?
  26th IEEE Computer Soc. Int. Conf., San Francisco,
  Calif., Feb. 28-Mar. 3, 1983.
- Badal, D Z; Gehl, M T
  On deadlock detection in distributed computer systems
  2nd Joint Conf. of IEEE Computer and Communication
  Societies, San Diego, Calif., Apr. 19-21, 1983.
- Badal, D Z; Relue, R
  Database systems in microworld: dBase II and MDBS III
  ACM SIGMOD '83 Int. Conf. on Management of Data, San
  Jose, Calif., May 23-26, 1983.
- Bradley, G H
  Optimization of capital portfolios
  Nat. Communications Forum 1986, Chicago, IL, Sept. 29
   Oct. 1, 1986.
- Bradley, G H; Clemence, R Implementation of structured modeling for optimization 1984 Ann. Am. Inst. of Chemical Engrs., San Francisco, Calif., Nov. 26-30, 1984.
- Bradley, G H; Clemence, R Implementation of structured modeling for optimization ORSA/TIMS Nat. Mtg., Dallas, Tex., Nov. 26-28, 1984.
- Bradley, G H; Clemence, R
  Implementation of a structured modeling language for optimization
  12th Int. Symp. on Mathematical Programming, Boston, Mass., Aug. 5-9, 1985.
- Bradley, G H; Clemence, R A structured modeling language for optimization Inst. for Manage. Sci. and Oper. Res. Soc. Nat. Mtg., Los Angeles, CA, Apr. 14-16, 1986.

# DEPARTMENT OF COMPUTER SCIENCE CONFERENCE PRESENTATIONS (cont'd)

- 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.
- 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; 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; 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.
- 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 A multi-backend data base system 3rd Int. Workshop on Database Machines, Munich, F. R. G., Sept. 26, 1983.

#### DEPARTMENT OF COMPUTER SCIENCE

CONFERENCE PRESENTATIONS (

(cont'd)

- Hsiao, D K
  Benchmarking database machine: A methodology
  3rd Int. Workshop on Database Machines, Munich, F. R.
  G., Sept. 26, 1983.
- Hsiao, D K Database machine research NAVDAC Workshop on Database Machines, NAVDAC, Sept. 16, 1983.
- 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.
- MacLennan, B J
  On the validation of computer science theories
  2nd Symp. on Empirical Foundations of Information and
  Software Sci., Atlanta, Ga., Oct. 3-5, 1984.
- MacLennan, B J
  A simple software environment based on objects and relations
  ACM SIGPLAN '85 Symp. on Language Issues in Programming Environments, Seattle, Wash., June 25-28, 1985.
- 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.

# DEPARTMENT OF COMPUTER SCIENCE CONFERENCE PRESENTATIONS (cont'd)

- 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.
- 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.

## DEPARTMENT OF COMPUTER SCIENCE CONTRIBUTIONS TO BOOKS

- Bogdanowicz, R; Crocker, M; Hsiao, D K; Ryder, C; Stone, V; Strawser, P R
  Experiments in benchmarking relational database machines IN D. K. Hsiao, ed.: Database machines, New York, N.Y., Springer-Verlag, 1983, p. 106-134.
- Boyne, D; Hsiao, D K; Kerr, D S; Orooji, A A message-oriented implementation of a multi-backend database system (MDBS) IN D. K. Hsiao, ed.: Database machines, New York, N.Y., Springer-Verlag, 1983, p. 242-266.
- Bradley, G H; Brown, G G; Graves, G W
  Structural redundancy in large-scale optimization models
  IN M. Karwan, et al., eds.: Redundancy in
  mathematical programming, New York, N. Y.,
  Springer-Verlag, 1983, p. 145-169.
- Bradley, G H; Goeffrion, A
  Production and sales planning with limited shared
  tooling at the key operation
  IN K. Lawrence and S. Zanakis, eds.: Production
  planning and scheduling, Allie Press, Atlanta,
  Ga., 1984.
- Hamming, R W
  Methods of mathematics applied to calculus, probability and statistics
  Englewood Cliffs, N. J., Prentice-Hall, June, 1985.
  857 p.
- He, X G; Higashida, M; Kerr, D S; Orooji, A; Shi, Z Z; Strawser, P R; Hsiao, D K
  The implementation of a multi-backend database system (MDBS): Part II: The design of a prototype MDBS
  IN D. K. Hsiao, ed.: Advanced database machine architecture, Prentice-Hall, 1983, p. 327-385.
- Hsiao, D K
  Future database machine architectures
  G. Ariav and J. Clifford, eds: New directions in database systems, Ablex Pub., (1986).
- Hsiao, D K; ed.
  Advanced database machine architecture
  Englewood Cliffs, N. J., Prentice-Hall, 1983.

#### DEPARTMENT OF COMPUTER SCIENCE

CONTRIBUTIONS TO BOOKS

(cont'd)

- Hsiao, D K; Kerr, D S; Orooji, A; Shi, Z Z; Strawser, P R The implementation of a multi-backend database system (MDBS): Part I: An exercise in software engineering IN D. K. Hsiao, ed.: Advanced database machine architecture, Prentice-Hall, 1983, p. 300-326.
- MacLennan, B J
  Principles of programming languages: Design, evaluation and implementation
  Holt, Rinehart and Winston, 1983. 544 p.
- Menon, M J; Hsiao, D K
  Design and analysis of joint operations of database
  machines
  IN D. K. Hsiao, ed.: Advanced database machine
  architecture, Prentice-Hall, 1983, p. 203-255.
- Schneidewind, N F
  Interconnecting local networks to long-distance networks
  IN Datapro research reports, planning, Datapro
  Res. Corp., Nov., 1984, p. CS-20-475-101:111.

## 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).
- Badal, D Z
  Long-lived transactions: Are they a problem or not?
  26th IEEE Computer Soc. Int. Conf., San Francisco,
  Calif., Feb. 28-Mar. 3, 1983.
  IN Proc., IEEE Computer Soc. Press, 8 p., (1983).
- Badal, D Z; Gehl, M T
  On deadlock detection in distributed computer systems
  2nd Joint Conf. of IEEE Computer and Communication
  Societies, San Diego, Calif., Apr. 19-21, 1983.
  IN Proc., ACM, 15 p., (1983).
- Badal, D Z; Relue, R
  Database systems in microworld: dBase II and MDBS III
  ACM SIGMOD '83 Int. Conf. on Management of Data, San
  Jose, Calif., May 23-26, 1983.
  IN Proc., ACM, 12 p., (1983).
- Bitton, D; DeWitt, D J; Hsiao, D K; Menon, J A taxonomy of parallel sorting ACM Computing Surveys, vol. 16, no. 3, p. 287-318, (Sept., 1984).
- 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).
- 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).

SECONO DE PORTE DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DE

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).

#### DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS

(cont'd)

Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J; Strawser, P R; Tekampe, R C; Watson, R J Performance evaluation of a database system in multiple backend configurations
4th Int. Workshop on Database Machines, Newport, Great Bahama Island, Mar., 1985.
IN Proc., Micro-electronic and Computer Technology Corp., (1985).

Hsiao, D K
Cost-effective ways of improving database computer performance
AFIPS Conf., Los Angeles, Calif., May, 1983.
IN Proc., AFIPS, vol. 52, p. 293-298, (1983).

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

Kodres, U R
Processing efficiency of a class of multicomputer
systems
Int. J. of Mini- and Microcomputers, vol. 5, no. 2,
p. 28-33, (1983).

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).

MacLennan, B J Overview of relational programming SIGPLAN Notices, vol. 18, no. 3, 10 p., (Mar., 1983).

MacLennan, B J
A simple software environment based on objects and relations
ACM SIGPLAN '85 Symp. on Language Issues in Programming Environments, Seattle, Wash., June 25-28, 1985.
IN SIGPLAN Notices 20, (July, 1985).

## DEPARTMENT OF COMPUTER SCIENCE PUBLISHED PAPERS (cont'd)

- Smith, D R
  Random trees and the analysis of branch and bound procedures
  ACM J., 42 p., (1983).
- 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
  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.
- 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 Craphics Asso. Conf., Anaheim, CA, May, 1986.
  IN Proc., Computer Graphics '86 Conf., vol. III, (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.
  IN Proc., 1986 IEEE Int. Conf. on Robotics and Automation, vol. I, (Apr., 1986).

ALLOCATED AND ALLOCATED TO SECURITY TO A SECURITY OF THE SECUR

#### DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS

(cont'd)

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).

POSSESSE TRANSPORTER TO CONTRACT TO SERVICE TO SERVICE

## 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.
- Boyne, R D; Demurjian, S A; Hsiao, D K; Kerr, D S; Orooji, A

  The implementation of a multi-backend database system (MDBS): Part III: The message oriented version with concurrence control and secondary memory based management

  Prepared for Office of Naval Res., Arlington, VA. Naval Postgraduate School. (NPS-52-83-003), Mar., 1983.
- Davis, D L
  A formal method for specifying computer resources in an implementation independent manner
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-52-84-022), Nov., 1984. 37 p.
- 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.
- 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.

#### DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J; Strawser, P R; Tekampe, R C; Watson, R J Performance evaluation of a database system in multiple backend configurations

  Prepared for Chief of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-52-84-019), Oct., 1984.
- Demurjian, S A; Hsiao, D K; Marshall, R G
  The architectural requirements and integration analysis of a database server for office automation
  Sponsored by Office of Naval Res. and DOD STARS
  Program. Naval Postgraduate School, (NPS-52-85-008), May, 1985. 20 p.
- Demurjian, S A; Hsiao, D K; Menon, J
  A multi-backend database system for performance gains, capacity growth and hardware upgrade
  Sponsored by Office of Naval Res. and DOD STARS
  Program. Naval Postgraduate School, (NPS-52-85-002), Feb., 1985. 30 p.
- Demurjian, S A; Hsiao, D K; Strawser, P R
  Design analysis and performance evaluation methodologies
  for database computers
  Sponsored by Office of Naval Res. and DOD STARS
  Program. Naval Postgraduate School, (NPS-52-85-009),
  June, 1985. 117 p.
- Demurjian, S A; Hsiao, D K; Vincent, J R
  A benchmarking methodology for the centralized-database computer with expandable and parallel database processors and stores
  Sponsored by Office of Naval Res. and DOD STARS Program. Naval Postgraduate School, (NPS-52-85-011), Aug., 1985. 46 p.
- Hsiao, D K
  Future database machine architecture
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-52-84-014), Sept.,
  1984. 12 p.
- Hsiao, D K
  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.

# DEPARTMENT OF COMPUTER SCIENCE TECHNICAL REPORTS AND NOTES (cont'd)

Hsiao, D K; Menon, M J
Design and analysis of a multi-backend database system for performance improvement, functionality expansion and capacity growth (Part I)
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-83-006), June, 1983. 175 p.

POSSESSE PROGRAMMA STREET

PROPERTY OF PROPERTY OF THE PR

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

## DEPARTMENT OF COMPUTER SCIENCE TECHNICAL REPORTS AND NOTES (cont'd)

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

# 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.

<u> EEGGESOODES STADIOS ESTERNAS SERVICES SERVICES</u>

ENVINEZ ARRESENS ABSSESS ARRESES

- 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.

# 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; 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.
- 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.
- Ross, A A; Bowers, J
  Computer system design environment software development plan
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-52-83-009), July, 1983. 21 p.
- Rowe, N C
  Antisampling for estimation: An overview
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-52-84-016), 1984. 25
  p.
- Rowe, N C
  Naming in Programming
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-52-84-017), Oct.,
  1984. 18 p.
- Rowe, N C
  Steps toward parsing of query sequences to a database
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-52-84-015), Oct.,
  1984. 12 p.
- Rowe, N C
  Absolute bounds on set intersection and union sizes from distribution information
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-52-85-014), Sept., 1985. 47 p.

### DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- Smith, D R
  The structure of divide and conquer algorithms
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-52-83-002), Mar.,
  1983. 38 p.
- Srivastava, J; Lum, V Y
   A Tree Based Statistics Access Method (TBSAM) for
   univariate analysis
   Int. Business Machines, (IBM, Res. RJ5399), 1986.
- 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; 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.
- 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.
- Zyda, M J
  A decomposable algorithm for contour surface display generation
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-52-84-011), Aug., 1984. 29 p.
- Zyda, M J
  Real-time contour surface display generation
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-51-84-013), Sept.,
  1984. 21 p.

# DEPARTMENT OF COMPUTER SCIENCE TECHNICAL REPORTS AND NOTES (cont'd)

ANALYSIA (ESSESSIO), ESSESSION (ESSESSION ESSESSION ESSESSION (ESSESSION ESSESSION ESSESION ESSESION ESSESION ESSESION ESSESION (ESSESSION ESSESION ESSESION ESSESION ESSESION ESSESION (ESSESSION ESSESION ESSESION ESSESION (ESSESION ESSESION ESSESION (ESSESION ESSESION ESSESION ESSESION ESSESION (ESSESION ESSESION ESSESION ESSESION ESSESION ESSESION (ESSESION ESSESION ESSESION ESSESION ESSESION ESSESION (ESSESION ESSESION ESSESI

- Zyda, M J
  The feasibility of a multiprocessor architecture for real-time contour surface display generation
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-52-84-025), Dec., 1984. 27 p.
- Zyda, M J
  The use of VLSI technology for the real-time generation of graphics displays: A proposal
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-52-85-003), Mar.,
  1985. 14 p.
- 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; 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.
- 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; Hogan, P G
   Surface construction from planar contours
   Naval Postgraduate School, (NPS-52-86-002), Jan.,
   1986. 27 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.
  p.

# DEPARTMENT OF COMPUTER SCIENCE TECHNICAL REPORTS AND NOTES (cont'd)

- Zyda, M J; McGhee, R B; Taylor, G W
  Parametric representation and polygonal decomposition of curved surfaces
  Sponsored by HO, USACDEC, FT Ord, CA. and Naval Ocean Systems Center. Naval Postgraduate School, (NPS-52-86-028), Dec., 1986. 95 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 HO, USACDEC, FT Ord, CA. Naval Postgraduate School, (NPS-52-86-026), Dec., 1986. 129 p.

ĸ\$K\$J\$K**\$K\$**X£**K\$B&£K\$Æ£K\$**Ũ**Ğ**£K**\$W**ŨŴĨĸŶĠĸĨĸĔĸĔĸ**Š**K

# DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

# DEPARTMENT OF ELEC. AND COMPUTER ENG. CONFERENCE PRESENTATIONS

- Abbott, L W
  Test experience on an ultra-reliable computer communication network
  IEEE/IAAA 6th Digital Avionics Systems Conf., Dec. 3-6, 1984.
- Abbott, L W
  A synergistic fault tolerant computer design for an N-version programming environment
  19th Asilomar Conf. on Circuits, Systems, and
  Computers, Pacific Grove, Calif., Nov. 6-8, 1985.
- Abbott, L W; Varma, A; Hariri, S; Smyth, R System design of a nodal communication's processor IEEE Microprocessor Forum, Atlantic City, N. J., Apr. 2-4, 1985.
- Agrawal, A; Wood, R K; Lee, C -H
  Computing source-to-K-terminal reliability in directed
  acyclic networks
  Nat. Sci. Foundation Network Reliability Workshop,
  Stevens Institute, Hoboken, N. J., Aug. 24-26, 1983.
- 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.
- Guyomar, D; Powers, J P Influence of baffle conditions on transient radiation 108th Acoust. Soc. of Am. Mtg., Minneapolis, Minn., Oct. 8-12, 1984.
- Guyomar, D; Powers, J P
  Transient radiation from focused transducers
  IEEE Ultrasonics Symp., Dallas, Tex., Nov. 14-16,
  1984.

State of the state

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.

# DEPARTMENT OF ELEC. AND COMPUTER ENG. CONFERENCE PRESENTATIONS (cont'd)

- Guyomar, D; Powers, J P
  Propagation of transient acoustic waves in lossy and lossless media
  14th Symp. on Acoustical Imaging, The Hague,
  Netherlands, Apr. 22-25, 1985.
- Guyomar, D; Powers, J P
  Transient fields from focused acoustic waves
  14th Symp. on Acoustical Imaging, The Hague,
  Netherlands, Apr. 22-25, 1985.
- 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.
- 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.
- Jaurequi, S
  Radio frequency distribution: Problem areas
  Signal to Noise Enhancement Program, Naval
  Postgraduate School, Monterey, Calif., Nov. 6-7,
  1984.
- Kirk, D E; Verly, J G
  A distributed implementation of fast Fourier transforms 18th Asilomar Conf. on Circuits, Systems and Computers, Pacific Grove, Calif., Nov., 1984.
- Lee, C -H
  Image signal representation at uneven knots
  NAVELEX Program Review, Naval Res. Lab., Washington,
  D.C., Dec. 7, 1984.
- Lee, C -H
  Recursive region splitting at hierarchical scope views
  NAVELEX Program Review, Naval Res. Lab., Washington,
  D.C., Dec. 6, 1984.
- Lee, C -H
  Surface representation of aerial photographs
  DMA Technol. Interchange Conf., DMA Hdqtrs.,
  Washington, D.C., Dec. 11-13, 1984.

# DEPARTMENT OF ELEC. AND COMPUTER ENG. CONFERENCE PRESENTATIONS (cont'd)

- 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.
- Lee, C -H
  AATD segmentation test procedure
  Automatic Target Recognition Working Group, Newport
  Beach, Calif., Feb. 7, 1985.
- 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
  On Wu's electromagnetic missile
  IEEE Symp. on Antenna Technol. and Appl.
  Electromagnetics, Winnipeg, Canada, Aug., 1986.
- Lee, H -M
  Time-domain radiation from an aperture
  IEEE/AP-S Int. Symp., Boston, MA, June, 1986.
- Lee, H -M; Geller, D; Haklay, B; Setiawan, A; Chung, G B Back scattering cross section along the axis of a tubular cylinder of finite length 1985 Int. Symp. on Antennas and Propagation, Kyoto, Japan, Aug. 19-22, 1985.
- Michael, S N; Gariano, P
  Applications of precision, high-slew rate OP AMPS in active networks
  28th Midwest Symp. on Circuits and Systems,
  Louisville, Ky., Aug., 1985.
- Michael, S N; Gariano, P
  Micro and macromodeling of integrated operational
  amplifiers and their use in developing and evaluating
  new composite OPAMPS
  28th Midwest Symp. on Circuits and Systems,
  Louisville, Ky., Aug., 1985.
- 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.

# DEPARTMENT OF ELEC. AND COMPUTER ENG. CONFERENCE PRESENTATIONS (cont'd)

- Michael, S N; Mikhael, W
  High frequency filtering and inductance simulation using new composite generalized immittance converters
  IEEE Symp. on Circuits and Systems, Kyoto, Japan, June, 1985.
- 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.
- 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 in solid propellant combustion
  AGARD Conf. on Smokeless Propellants, Florence, Italy, Sep. 12-13, 1985.
- Netzer, D W; Powers, J P
  Experimental techniques for obtaining particulate behavior in solid propellant combustion
  AGARD Specialists' Mtg. on Smokeless Propellants, Florence, Italy, Sept. 12-13, 1985.
- Netzer, D W; Powers, J P
  Particle sizing in rocket motor studies utilizing
  hologram image processing
  NASA Workshop on Automated Reduction of Data from
  Images on Holograms, Moffett Field, Calif., Jan.
  10-11, 1985
- Netzer, D W; Powers, J P; Glenn, J G; Graham, K J; Harris, R K; Lee, Y
  Solid propellant combustion diagnostics and automated data retrieval from holograms
  21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4, 1984.

### DEPARTMENT OF ELEC. AND COMPUTER ENG.

### CONFERENCE PRESENTATIONS (cont'd)

- Powers, J P; Shavit, Z; Biblarz, O; Miller, J A
  Variable focal length radiometer for particle sizing
  ICIASF '85 (11th Int. Cong. on Instrumentation in
  Aerospace Simulation Facilities), Stanford Univ.,
  Aug. 26-28, 1985.
- 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; Schon, M A; Hahn, S C
  A multiprocessor system for simulation of multisensor distributed decision algorithms
  19th Ann. Asilomar Conf. on Circuits, Systems, and Computers, Pacific Grove, Calif., Nov. 6-8, 1985
- Titus, H A; Jarrell, J
  Use of Kalman filtering to track hurricanes
  16th Conf. on Hurricanes and Tropical Meteorology,
  Houston, Tex., May 14-17, 1985.
- Ziomek, L J
  Underwater acoustic model-based signal processing
  Seminar Dept. of Electrical Eng., Duke Univ., Mar.
  27, 1986.
- Ziomek, L J; Chan, F Frequency domain adaptive beamforming for planar arrays 20th Ann. Asilomar Conf. on Signals, Systems, and Computers, Pacific Grove, CA, Nov. 10-12, 1986.
- 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.

# DEPARTMENT OF ELEC. AND COMPUTER ENG. CONTRIBUTIONS TO BOOKS

- Knorr, J B
   Problems for radar systems: A manual
   J.B. Knorr, 1985. 23 p. (For use with Introduction
   to radar systems, by M. I. Skolnik.)
- Morgan, M A; Mei, K K; Chang, S K Finite methods in electromagnetics IN P. L. E. Uslenghi, ed.: Electromagnetic scattering, USSR, Mir Pubs., 1983?

SECOND PRODUCTION OF THE PRODU

- Strum, R D; Ward, J R
  Electric circuits and networks (2nd ed.)
  Englewood Cliffs, N. J. Prentice-Hall, Inc., 1985.
  535 p.
- Ziomek, L J Underwater acoustics: A linear systems theory approach Orlando, Fla., Academic Press, 1985. 290 p.

# DEPARTMENT OF ELEC. AND COMPUTER ENG. PUBLISHED PAPERS

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

- Guyomar, D; Powers, J P
  Propagation of transient acoustic waves in lossy and lossless media
  14th Symp. on Acoustical Imaging, The Hague,
  Netherlands, Apr. 22-25, 1985.
  IN Acoustical imaging, vol. 14, New York, N. Y.
  Plenum Press, 1985, p. 521-531.
- Guyomar, D; Powers, J P
  Transient fields from focused acoustic waves
  14th Symp. on Acoustical Imaging, The Hague,
  Netherlands, Apr. 22-25, 1985.
  IN Acoustical imaging, vol. 14, New York, N. Y.,
  Plenum Press, 1985, p. 629-633.

### DEPARTMENT OF ELEC. AND COMPUTER ENG.

### PUBLISHED PAPERS

(cont'd)

- 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.
  IN Proc., IEEE Press, p. 692-695, (1986).
- Guyomar, D; Powers, J P
  Transient radiation from axially symmetric sources
  J. Acoust. Soc. of Am., vol. 79, no. 2, p. 273-277,
  (Feb., 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).
- Jaurequi, S
  Radio frequency distribution: Problem areas
  Signal to Noise Enhancement Program, Naval
  Postgraduate School, Monterey, Calif., Nov. 6-7,
  1984.
  IN Proc., NAVELEX, 120 p., (Mar., 1985).
- Knorr, J B
   Guide EM waves with atmospheric ducts
   Microwaves and RF, 4 p., (May, 1985).
- Knorr, J B; Deal, J C
   Scattering coefficients of an inductive strip in a
   finline: Theory and experiment
   IEEE Trans. on Microwave Theory and Techniques, vol.
   33, no. 10, p. 1011-1017, (Oct., 1985).
- Knorr, J B; Karantanas, D T
   Simulation optimizes noise jammer design
   Microwave J., 5 p., (May, 1985).

# DEPARTMENT OF ELEC. AND COMPUTER ENG. PUBLISHED PAPERS (cont'd)

- Lee, C -H
  Surface representation of aerial photographs
  DMA Technol. Interchange Conf., DMA Hdqtrs.,
  Washington, D.C., Dec. 11-13, 1984.
  IN Proc., DMA, 14 p., (1984).
- 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.
  IN Proc., IEEE, (1985).
- Lee, C -H; Keiyu, A
  Image compression using nonuniform samples with
  controlled compression
  19th Asilomar Conf. on Circuits, Systems, and
  Computers, Pacific Grove, CA, Nov. 6-8, 1985.
  IN Proc., IEEE, (1985).
- Lee, H -M
  On Wu's electromagnetic missile
  IEEE Symp. on Antenna Technol. and Appl.
  Electromagnetics, Winnipeg, Canada, Aug. 1986.
  IN Proc. Univ. of Manitoba, Winnipeg, Canada, p. 1-8, (Aug., 1986).
- Lee, H -M
  Time-domain radiation from an aperture
  IEEE/AP-S Int,
  IN Symp. Digest, IEEE Press, p. 1019-1021, (June, 1986).
- Lee, H -M
  Fields from a uniform current source instantaneous
  switch-on
  J. of Appl. Phys., vol. 60, no. 2, p. 514-517, (July, 1986).
- Lee, H -M; Chung, G P; Geller, D; Hakley, B
  H-11 circular waveguide mode and back scattering cross
  section along the axis of a thin walled tubular cylinder
  of finite length
  IEE Proc. H: Microwaves, optics, and antennas, vol.
  133, p. 77-78, (Feb., 1986).
- Lee, H -M; Geller, D; Haklay, B; Setiawan, A; Chung, G B Back scattering cross section along the axis of a tubular cylinder of finite length 1985 Int. Symp. on Antennas and Propagation, Kyoto, Japan, Aug. 19-22, 1985.

  IN Proc., ISAP'85, vol. 3, p. 815-818, (1985).

### DEPARTMENT OF ELEC. AND COMPUTER ENG.

### PUBLISHED PAPERS

(cont'd)

- Lee, H -M; Lee, S -C Spherically symmetric Kaluza-Klein monopoles Phys. Letters, vol. 149B, p. 95-97, (Dec., 1984).
- Lev-Ari, H; Parker, S R
  Lattice modeling of 2-D fields
  IN Proc., IEEE Conf. on Acoustics, Speech and
  Signal Processing (ASSP), 3 p., (Mar., 1985).
- Madan, B B; Parker, S R
  Adaptive beam forming in a correlated noise environment
  IN Proc., IEEE Conf. on Acoustics, Speech and
  Signal Processing (ASSP), 5 p., (Mar., 1985).
- Michael, S N; Gariano, P
  Applications of precision, high-slew rate OP AMPS in active networks
  28th Midwest Symp. on Circuits and Systems,
  Louisville, Ky., Aug., 1985.
  IN Proc., (Aug., 1985).
- Michael, S N; Gariano, P
  Micro and macromodeling of integrated operational
  amplifiers and their use in developing and evaluating
  new composite OPAMPS
  28th Midwest Symp. on Circuits and Systems,
  Louisville, Ky., Aug., 1985.
  IN Proc., (Aug., 1985).
- Michael, S N; Gariano, P Optimization of high-speed, high-accuracy integrated operational AMP 28th Midwest Symp. on Circuits and Systems, Louisville, Ky., Aug., 1985. IN Proc., (1985).
- Michael, S N; Mikhael, W
  High frequency filtering and inductance simulation using new composite generalized immittance converters
  IEEE Symp. on Circuits and Systems, Kyoto, Japan, June, 1985.
  IN Proc., (1985).

### DEPARTMENT OF ELEC. AND COMPUTER ENG.

### PUBLISHED PAPERS

(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.
  IN Proc., NASA, (1985).
- Netzer, D W; Powers, J P
  Experimental techniques for obtaining particulate
  behavior in solid propellant combustion
  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).
- 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).

### DEPARTMENT OF ELEC. AND COMPUTER ENG.

### PUBLISHED PAPERS

- 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).
- 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).
- NAVAL POSMontered

  DEPARTMENT OF PUBLISH

  Powers, J.P.; Shavit, Z.; Bib Variable focal length raticians of the variable focal length raticians and the variable focal length for the variable focal length focal l Therrien, C W Multichannel filtering methods for color image IEEE Computer Soc. Conf. on Computer Vision and Pattern Recognition, San Francisco, Calif., July 19-23, 1985. IN Proc., p. 637-639, (1985).
  - Therrien, C W; Schon, M A; Hahn, S C
    A multiprocessor system for simulation of multisensor distributed decision algorithms
    19th Ann. Asilomar Conf. on Circuits, Systems, and Computers, Pacific Grove, Calif., Nov. 6-8, 1985.
    IN Proc., (1985).
  - Ziomek, L J
    Linear time-invariant space-variant filters and the parabolic equation approximation
    Signal Processing, vol. 8, no. 4, p. 423-439, (July, 1985).
- RADUATE SCHOOL
  California

  ELEC. AND COMPUTER ENG.
  PAPERS (cont'd)

  rz, O; Miller, J A
  Ometer for particle sizing
  ong, on Instrumentation in
  clities), Stanford Univ.,
  (1985).

  vector random fields
  . on Circuits, Systems, and
  e, Calif., Nov. 6-8, 1985.

  hods for color image
  . on Computer Vision and
  n Francisco, Calif., July
  (1985).

  hn, S C
  r simulation of multisensor
  ithms circuits, Systems, and
  e, Calif., Nov. 6-8, 1985.

  e-variant filters and the
  mation
  8, no. 4, p. 423-439, (July,

  e-variant filters and the WKB
  stics, Speech, and Signal
  , Mar. 25-29, 1985.
  184-187, (1985). Ziomek, L J: Vos, J
  Linear time-invariant space-variant filters and the WKB approximation
  IEEE Int. Conf. on Acoustics, Speech, and Signal Processing, Tampa, Fla., Mar. 26-29, 1985.
  IN Proc., vol. 1, p. 184-187, (1985).

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

- Abbott, L W
  Test experience on an ultra-reliable computer communication network
  N. A. S. A., (NASA-TM-85915), Dec., 1984. 6 p.
- Chang, J F
  The queueing model of a packet switch subject to routing in computer networks
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-62-85-027), Sept., 1985.
- 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).
- Lee, C -H
  Similarity counting architecture for object detection
  Naval Postgraduate School, (NPS-62-86-007), June,
  1986. 25 p.
- Moose, P H
  Evolution equations of C3I: Cannonical forms and their properties: Research for the period 1 Jan. 1983 1
  Aug. 1983
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-62-83-059), Oct., 1983. 40 p.
- 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.
- Ziomek, L J
  Linear time-variant space-variant filters and the WKB
  approximation: Interim report for the period Oct., 1982
   Oct., 1983
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-62-83-058), Oct.,
  1983. 93 p.

THE PARTY OF THE PROPERTY OF T

# DEPARTMENT OF MATHEMATICS

# DEPARTMENT OF MATHEMATICS CONFERENCE PRESENTATIONS

- Cantin, G; Hartmann, M
  On the solution of big problems with microcomputers
  PVP (Pressure Vessel and Piping) Conf., Chicago, IL,
  Summer 1986.
- Franke, R H
  Data sets
  Int. Symp. on Surface Approximation, Gargnano, Italy,
  June 11-18, 1983.
- Franke, R H
  Global basis function methods for scattered data
  Int. Symp. on Surface Approximation, Gargnano, Italy,
  June 11-18, 1983.
- Franke, R H
  Interpolation by minimum norm networks of curves
  Int. Symp. on Surface Approximation, Gargnano, Italy,
  June 11-18, 1983.
- Franke, R H
  Introduction to interpolation of scattered data
  Int. Symp. on Surface Approximation, Gargnano, Italy,
  June 11-18, 1983.
- Franke, R H
  Moving averages and related methods
  Int. Symp. on Surface Approximation, Gargnano, Italy,
  June 11-18, 1983.

- Franke, R H
  Scattered data interpolation
  SIAM Conf. on Mathematical and Computational Methods
  in Computer Aided Design, Renssalaer Polytechnic
  Inst., July 18-22, 1983.
- Franke, R H
  Summary on scattered data interpolation
  Int. Symp. on Surface Approximation, Gargnano, Italy,
  June 11-18, 1983.
- Franke, R H
  Smoothing splines with GCV for weather problems
  Approximation Theory Workshop, Univ. of Florence,
  Italy, July 2-3, 1986.
- Jayachandran, T; Larson, H J
  The CEMS IV statistical diagnostics algorithm
  JOAP Int. Symp., Pensacola, Fla., May 17-18, 1983.

### DEPARTMENT OF MATHEMATICS

CONFERENCE PRESENTATIONS (cont'd)

- Kovach, L D
  Eigenvalues with minimal effort
  Univ. Math. Educ. Delegation to the PRC, Beijing,
  Peoples Republic of China, June 3, 1983.
- Larson, H J; Jayachandran, T CEMS IV algorithm AF Command HQ OAP Conf., Bossier City, La., Mar., 1983.
- Larson, H J; Jayachandran, T CEMS IV statistical diagnostics algorithm Int. Oil Analysis Workshop, Pensacola, Fla., May, 1983.
- Mason, J T; Mills, G B; Garrett, S L; Wayman, J L Comparison of impedance measurement techniques 106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov. 8-11, 1983.
- 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.
- Nielson, G M; Franke, R H
  Some practical aspects regarding Kriging and related methods for interpolation of scattered data
  AMS Mtg., Salt Lake City, Utah, Apr. 29-30, 1983.
- Owen, G
  Values of graph-restricted games
  Math. Games Theory Conf., Oberwolfach Math. Inst., F.
  R. G., Mar. 18-24, 1984.
- Owen, G
  Application of game theory to social networks
  Math. Assoc. of America, No. Calif. Chapter, Ann.
  Mtg., San Francisco State Univ., Feb. 24, 1984.

# DEPARTMENT OF MATHEMATICS

CONFERENCE PRESENTATIONS (cont'd)

- Owen, G
  Fair indirect majority rules
  Econometric Soc. 5th Ann. Latin American Mtg.,
  Bogota, Colombia, July 23-27, 1984.
- Owen, G
  Fair indirect majority rules
  Public Choice Soc. Ann. Mtg., Phoenix, Ariz, Mar.
  28-30, 1984.
- Owen, G
  Values of graph-restricted games
  Math. Games Theory Conf., Oberwolfach Math. Inst., F.
  R. G., Mar. 18-24, 1984.
- Weir, M D
  Mathematical modeling: A nuclear arms race
  California Mathematics Council, College Division
  Conf., Holiday Inn, Monterey, Calif., Dec., 1984.
- 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.
- 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.

# DEPARTMENT OF MATHEMATICS CONTRIBUTIONS TO BOOKS

- Finney, R L; Hoffman, D T; Schwartz, J L; Wilde, C O Calculus toolkit (Apple)
  Reading, Pa., Addison-Wesley, 1984.
- Finney, R L; Hoffman, D T; Schwartz, J L; Wilde, C O Calculus student's toolkit (Apple)
  Reading, Pa., Addison, Wesley, 1985.
- Finney, R L; Hoffman, D T; Schwartz, J L; Wilde, C O Calculus student's toolkit (IBM-PC)
  Reading, Pa., 1985. Addison-Wesley, 1985.
- Finney, R L; Hoffman, D T; Schwartz, J L; Wilde, C O Calculus toolkit (IBM-PC)
  Reading, Pa., 1985. Addison-Wesley, 1985.
- Grofman, B; Owen, G; eds.
  Aggregation of opinions and group decisions
  Reidel Publ., 1984. 250 p.
- Grofman, B; Owen, G; Feld, S L
  Evaluating the competence of experts
  IN R. Geyer and J. V. D. Zouwen, eds.:
  Dependence and inequality, Pergamon Press,
  1983, p. 221-238.
- 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
  Fair indirect majority rules
  IN B. Grofman and G. Owen, eds.: Aggregation of opinions and group decisions, Reidel Publ., 1984.
- 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).

# DEPARTMENT OF MATHEMATICS

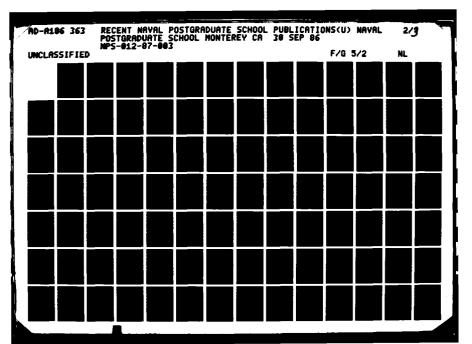
CONTRIBUTIONS TO BOOKS

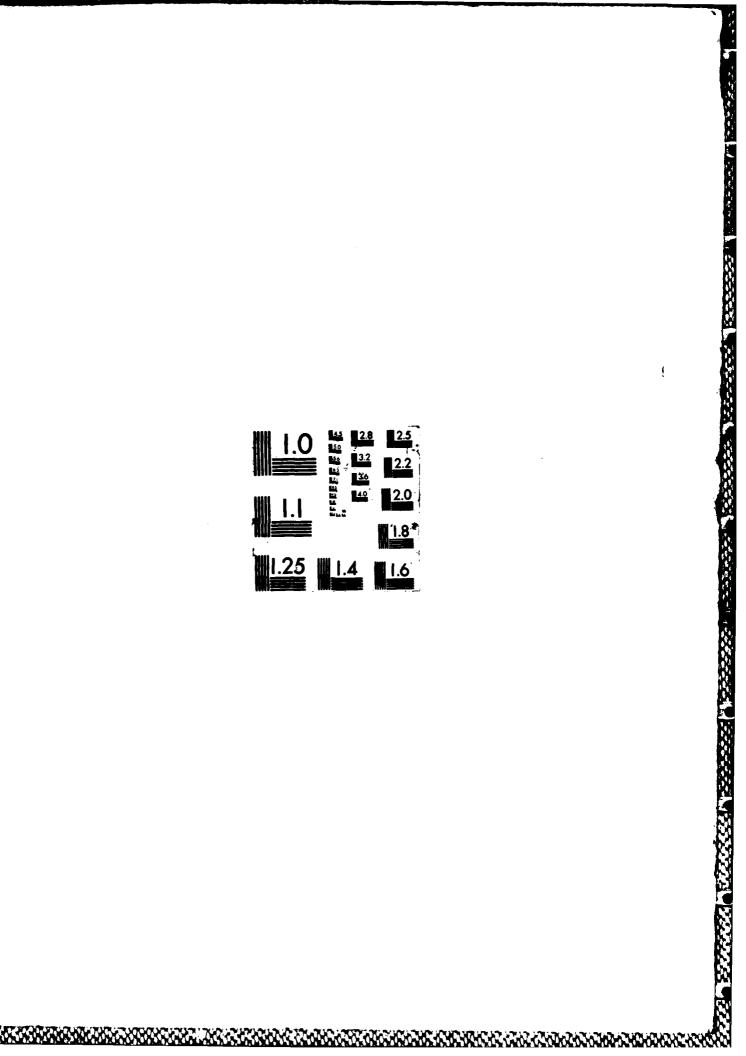
(cont'd)

- Owen, G; Grofman, B
  Coalitions and power in political situations
  IN M. Holler, ed.: Coalitions and collective
  action, Wuerzburg, F. R. G., Physika-Verlag,
  1984, p. 137-144.
- Owen, G; Grofman, B; eds.
  Information pooling and group decision making
  JAI Press, 1986. 280 p.
- Schoenstadt, A L; Birkhoff, G B; eds.
  Elliptic problem solvers IINew York, N. Y., Academic Press, 1984. 572 p.
  New York, N. Y., Academic Press, 1984. 572 p.
- Weir, M D
  Self-study manual for calculus and analytic geometry
  (2nd ed.)
  Reading, Mass., Addison-Wesley Publ. Co., 1984. 393
  p.
- Weir, M D; 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
   A first course in mathematical modeling
   Monterey, Calif., Brooks-Cole Publ. Co., 1984. 382
  p.
- Weir, M D; Giordano, F R
   Instructor's manual for a first course in mathematical
   modeling
   Brooks/Cole Pub. Co., Monterey, Calif., 1985. 186 p.

# DEPARTMENT OF MATHEMATICS PUBLISHED PAPERS

- Alexander, G; Wilde, C O A conversation with Garrett Birkhoff Two Year College Math. J., (Apr., 1983).
- 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).
- 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; Jayachandran, T An empirical investigation of the properties of a new goodness-of-fit test J. Stat. Computation and Simulation, vol. 16, p. 175-187, (1983).
- 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 J
  An algorithm for generating necklace of beads in two colors
  Discrete Mathematics, vol. 61, nos. 2-3, p. 181-188, (1986).
- Grofman, B; Owen, G; Feld, S L
  Thirteen theorems in search of the truth
  Theory and Decision, vol. 15, p. 261-278, (Dec., 1983).
- Grofman, B; Owen, G; Feld, S L
  Group size and the performance of a composite group
  majority: Statistical truths and empirical results
  Organizational Behavior and Human Performance, vol.
  33, p. 350-359, (1984).
- Hartman, J K; Parry, S H; Schoenstadt, A L Airland research model IN Proc., 52nd MORS, (1984).





### DEPARTMENT OF MATHEMATICS

PUBLISHED PAPERS

(cont'd)

- Jayachandran, T A note on a prediction interval for a first-order Gauss Markov process Nav. Res. Logistics Q., vol. 30, p. 505-508, (1983).
- Jayachandran, T
  On prediction intervals for normal samples
  Nav. Res. Logistics Q., vol. 30, p. 461-463, (1983).
- Larson, H J; Jayachandran, T CEMS IV statistical diagnostics algorithm Int. Oil Analysis Workshop, Pensacola, Fla., May, 1983. IN Proc., JOAP Tech. Support Ctr., (1983).
- Mason, J T; Mills, G B; Garrett, S L; Wayman, J L Comparison of impedance measurement techniques 106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov. 8-11, 1983. IN J. Acoust. Soc. Am., vol. 74, S63, (1983).
- Mendez, R
  Numerical study of incompressible flow about immersed elastic boundaries
  SIAM J. of Statistics and Scientific Computing, (Mar., 1983).
- Neta, B: Hinsman, D E; Williams, R T
  Studies in a shallow water fluid model with topography
  11th IMAC World Cong., Oslo, Norway, Aug. 5-9, 1985.
  IN Proc., IMAC, p. 209-213, (1985).
- 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).
- Nielson, G M; Franke, R
  A method for construction of surfaces under tension
  Rocky Mountain J. of Math., vol. 14, no. 1, p.
  203-221, (1984).
- Owen, G
  Values of graph-restricted games
  SIAM J. of Algebraic and Descrete Methods, vol. 7,
  no. 2, p. 210-220, (Apr., 1986).

<mark>እናያዋሰራቸውና የመመመመ የመመመመ የተመ</mark>ለከተለው የሚያለው የመመመመ የተመለከት የተመለከ

### DEPARTMENT OF MATHEMATICS

### PUBLISHED PAPERS

(cont'd)

- Owen, G; Grofman, B
  To vote or not to vote: The paradox of nonvoting Public Choice, vol. 42, p. 311-325, (1984).
- Weir, M D; 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).
- Wu, C T
  Data organization method for the parallel execution of relational operation
  Int. Conf. on Foundations of Data Organization,
  Kyoto, Japan, May, 1985.
  IN Proc., (May, 1985).
- Wu, C. T.
  Concurrency in linear and interpolation hashing
  19th Ann. Conf. on Information Sciences and Systems,
  Baltimore, Md., Mar., 1985.
  IN Proc., John Hopkins Univ., (Mar., 1985).

# 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.
- Boger, D C; Jayachandran, T Evaluating alternative long range forecasts of inflation Prepared for Office of the Assistant Secretary of Defense (Comptroller), Washington, D.C. Naval Postgraduate School, (NPS-54-84-0021), July, 1984
- Carreras, F; Owen, G Evaluation of the Catalonian Parliament, 1980-1984 Naval Postgraduate School, (NPS-53-86-010), July, 1986. 6 p.
- Franke, R H
  Sources of error in objective analysis
  Prepared for Naval Environmental Prediction Res.
  Facility, Monterey, Calif. Naval Postgraduate
  School, (NPS-53-84-0003), May, 1984. 50 p.
- Franke, R H
  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.
- Franke, R H; Gordon, W J
  The structure of optimum interpolation functions
  Prepared for Naval Environmental Res. Facility,
  Monterey, Calif. Naval Postgraduate School,
  (NPS-53-83-005), Feb., 1983. 23 p.
- Franke, R H; Jayachandran, T
  Tables for a new multivariate goodness-of-fit test
  Naval Postgraduate School, (NPS-53-83-006), Feb.,
  1983.
- Fredricksen, H M
  A generalization of Mykkeltveit's solution to Golomb's problem
  Inst. for Defense Analyses Communications Res.
  Div./SCAMP, (Tech. rep.), Sept. 2, 1983. 8 p.
- Fredricksen, H M
  A new look at the deBruijn graph
  Naval Postgraduate School, (NPS-53-83-007), Feb.,
  1983. 11 p.

### DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Fredricksen, H M; Hales, A W; Sweet, M M
  A generalization of Swan's theorem
  Inst. for Defense Analyses Communications Res.
  Div./SCAMP, (Tech. rep.), Sept. 2, 1983. 36 p.
- Goldstein, A; Russak, I B
  High accuracy determination of submarine hull mounted
  transducers
  Prepared for Naval Undersea Warfare Eng. Station.
  Naval Postgraduate School, (NPS-53RU-84-0008), Sept.,
  1984 9 p.
- 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.
- Gonen, A
  Evaluating A (superscript T) \*D\*A for sparse matrices:
  Analysis
  Sponsored by Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-53-84-0006), June,
  1984. 23 p.
- Hartman, M
  A user friendly mesh generator using the C programming language
  Naval Postgraduate School, (NPS-53-86-0005), Feb., 1986. 44 p.
- Jayachandran, T
  An evaluation of the performance of a new storm tracking methodology
  Prepared for Naval Environmental Prediction Res.
  Facility, Monterey, Calif., Naval Postgraduate School, (NPS-53-84-0007),
- Jayachandran, T; Franke, R H
  Properties of a new multivariate goodness-of-fit test
  Naval Postgraduate School, (NPS-53-83-001), 1983.
- Jayachandran, T; Larson, H J CEMS IV OAP algorithm Prepared for Kelly AFB, Tex. Naval Postgraduate School, (NPS-55-83-013), May, 1983.

### DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Jayachandran, T; Larson, H J
  Statistical analysis for the Nondestructive Inspection
  (NDI) Technician Proficiency Measurement Program
  Prepared for Kelly AFB, Tex. Naval Postgraduate
  School, (NPS-53-83-008), June, 1983.
- 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.
- Owen, G
  Pari-mutuel as a system of aggregation of information
  Sponsored by NPS Foundation Res. Program. Naval
  Postgraduate School, (Tech. rep.), Sept., 1984. 23
  p.
- Owen, G; 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; Landa, J; Grofman, B
  Equilibrium prices and expected profit shares among a
  small spatially arrayed ring of traders
  Univ. of Calif. Irvine, (Tech. rep.), June 6, 1984.
- 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).

### DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

- 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.
- Wayman, J L
  New methods of measuring normal acoustic impedance
  Sponsored by NPS Foundation Res. Program. Naval
  Postgraduate School, (NPS-53-84-0005), Jan. 1, 1984.
  15 p.
- Wayman, J.L.
  A variance detector for signal-gap discrimination in noisy speech channel
  Naval Postgraduate School, (NPS-53-85-0007), May, 1985. 18 p.
- 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.

# DEPARTMENT OF MATHEMATICS TECHNICAL REPORTS AND NOTES (cont'd)

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

## 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.
- Cantin, G; Hartmann, M
  On the solution of big problems with microcomputers
  PVP (Pressure Vessle and Piping) Conf., Chicago, IL,
  Summer, 1986.
- Challenger, K
  Evevated temperature fatigue of 2.25Cr-1Mo steel
  Int. Congress on Fracture, New Delhi, India, Dec.,
  1984.
- Challenger, K D; Brucker, R B; Elger, W M; Sorek, M J Microstructure-thermal history correlations for HY-130 steel weldments Am. Welding Soc. Ann. Technical Mtg., Philadelphia, Pa., Apr., 1983.
- Challenger, K D; Mason, B J
  Comparison of hydrogen cracking susceptibility of cast
  and rolled HY-130 steel
  Am. Welding Soc. Ann. Technical Mtg., Philadelphia,
  Pa., Apr., 1983.
- Challenger, K D; Mullican, J; Sanford, G
  The effect of prestrain of fracture resistance: A
  predictive model
  Fracture Prevention in Energy and Transport Systems,
  Rio de Janeiro, Brazil, Nov., 1983.
- Culbreth, W G
  Computer-aided data acquisition and instruction for
  Naval engineers
  ASEE-PSW Computer Aided Processing in Instruction and
  Research, Phoenix, Ariz., Oct. 29-30, 1984.
- Daube, F G; Shin, Y S
  Postprocessing of UNDEX responses of submerged
  cylindrical shell using PATRAN-G
  2nd PATRAN Users Conf., Newport Beach, Calif., May
  21-22, 1984.

<del>ባለተው የሚያው የተመርቀስ ተመረሳ ተመን የተመርቀር የተመርቀር የተመርቀር የተመርቀር የመስተመርቀር የመስተመርቀር የመስተመርቀር የመስ</del>ተመለው የተመርቀር የተመርቀር የመስተመርቀር

# DEPARTMENT OF MECHANICAL ENGINEERING CONFERENCE PRESENTATIONS (cont'd)

- 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; Balasubramanian, N R
  On the use of linearized boundary conditions in the computation of flow over wavy walls
  Energy Source Technology Conf., New Orleans, Feb. 12-16, 1984.
- Knott, G A; Shin, Y S
   Vibrating violin
   PATRAN Users Conf., Newport Beach, CA, June 3-5,
   1986.
- Lee, E W: McNelley, T R

  Effects of thermomechanical processing of high-Mg,
  Al-Mg-X alloys on superplastic behavior

  Ann. Fall Mtg. of the Metallurgical Soc. of AIME,
  Detroit, Mich., Sept. 16-20, 1984.
- 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.
- 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.
- Marto, P J
  Heat transfer and two phase flow during shell-side condensation
  ASME-JSME Thermal Eng. Joint Conf., Honolulu, Hawaii, Mar., 1983.
- Marto, P J
  Improving the thermal performance of large condenser tube bundles
  EPRI Symp. on State-of-the-art Condenser Technology, Orlando, Fla., June, 1983.

# DEPARTMENT OF MECHANICAL ENGINEERING CONFERENCE PRESENTATIONS (cont'd)

- 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; Nunn, R H
  The potential of heat transfer enhancement in surface condensers
  Int. Conf. on Surface Condensers: Theory and practice; Inst. of Sci. and Technol., Univ. of Manchester England, Mar. 22-23, 1983.
- 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
  Development of microstructure and mechanical properties
  in thermomechanical processing of high-Mg, Al-Mg alloys
  Naval Air Syst. Command, Washington, D.C., Sept.
  11-12, 1984.
- 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; 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.

# DEPARTMENT OF MECHANICAL ENGINEERING CONFERENCE PRESENTATIONS (cont'd)

- McNelley, T R; Garg, A
  Development of microstructure and mechanical properties
  in thermomechanical processing of high Mg, Al-Mg alloys
  WESTEC-84, Am. Soc. for Metals and Soc. for Mfg.
  Engrs., Los Angeles, Calif., Mar. 19-22, 1984.
- 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
  Development of high strength in high-Mg, Al-Mg-X alloys by thermomechanical processing
  Ann. Fall Mtg. of the Metallurgical Soc. of AIME, Detroit, Mich., Sept. 16-20, 1984.
- McNelley, T R; Lee, E W
  Effect of TMP variables on 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.

# DEPARTMENT OF MECHANICAL ENGINEERING CONFERENCE PRESENTATIONS (cont'd)

- Nunn, R H; Linsell, D Liquid crystal thermography study of jet-crossflow surface interactions AIAA/AHS/ASEE Aircraft Design Systems and Operations Mtg., San Diego, Calif., Oct. 31 - Nov. 2, 1984.
- 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

  Martensitic transformation cycling and the phenomenon of two-way shape memory training
  Int. Conf. on Phase Transformations in Solids, Chania, Crete, Greece, June, 1983.
- Perkins, A J
  The two-way shape memory effect
  Int. Symp. on Shape Memory Alloys, Guilin, China,
  Sept. 6-9, 1986.
- Petroka, R 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 Symp., New Orleans, LA, Oct. 14-16, 1986.
- Sarpkaya, T
  The rise and demise of trailing vortices in a homogeneous and density stratified media
  Int. Conf. on Advanced Topics in Aeron. and Astronautics, Stanford Univ., Stanford, Calif., Aug., 1983.
- Sarpkaya, T
  Effect of orbital motion on resistance in harmonic flow
  16th Int. Cong. of Theoretical and Applied Mechanics,
  Copenhagen, Denmark, Aug. 19-25, 1984.
- Sarpkaya, T
  Resistance in combined wave and current flow
  16th Int. Cong. of Theoretical and Applied Mechanics,
  Copenhagen, Denmark, Aug. 19-25, 1984.
- Sarpkaya, T; Cakal, I A comprehensive sensitivity analysis of the OTS data Offshore Technol. Conf., Houston, Tex., May 2-5, 1983.

BUTCH THE TANK THE STATE OF THE

# DEPARTMENT OF MECHANICAL ENGINEERING CONFERENCE PRESENTATIONS (cont'd)

- Sarpkaya, T; Johnson, S K Evolution of aircraft trailing vortices in a stratified fluid 21st AIAA Aerospace Sci. Mtg., Jan., 1983.
- Sarpkaya, T; Storm, M A
  Hydrodynamic forces from combined wave and current flow
  on smooth and rough circular cylinders at high Reynolds
  numbers
  Offshore Technol. Conf., Houston, Tex., May, 1984.
- Sarpkaya, T; Wilson, J
  Pressure distribution on smooth and rough cylinders in harmonic flow
  Ocean Structural Dynamic Symp., Oregon State Univ. Corvallis, Sept. 11-13, 1984.
- Shin, Y S; Lukins, R W
  Probility-based high-cycle fatigue life predictions
  ASME 4th Nat. Cong. on Pressure Vessel and Piping
  Conf., Portland, Ore., June 19-24, 1983.
- Shin, Y S; Lukins, R W
  Reliability-based fatigue damage predictions under random vibration environment
  AIAA/ASME/ASCE/AHS 24th Structures, Structural Dynamics, and Materials Conf., Lake Tahoe, Nev., May 2-4, 1983.
- 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.
- Vanderplaats, G N
  A robust feasible directions algorithm for design synthesis
  AIAA/ASME/ASCE/AHS 24th Structures, Structural Dynamics and Materials Conf., Lake Tahoe, Nev., May, 1983.
- Vanderplaats, G N
  ADS-1: A new general-purpose optimization program
  AIAA/ASME/ASCE/AHS 24th Structures, Structural
  Dynamics and Materials Conf., Lake Tahoe, Nev., May,
  1983.

## DEPARTMENT OF MECHANICAL ENGINEERING CONFERENCE PRESENTATIONS (cont'd)

Vanderplaats, G N
Numerical optimization techniques: Basic concepts
Am. Helicopter Soc. Ann. Mtg. and Technical Display,
St. Louis, Mo., May, 1983.

Vanderplaats, G N
Numerical optimization techniques for structural synthesis
China-U.S. Workshop on Advances in Computational Eng. Mech., Dallian, Peoples Republic of China, Sept., 1983.

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.

## DEPARTMENT OF MECHANICAL ENGINEERING CONTRIBUTIONS TO BOOKS

- Gebhart, B; Hilder, D S; Kelleher, M D
  The diffusion of turbulent buoyant jets
  IN Advances in heat transfer, (vol. 16), Academic
  Press, 1983.
- Kelleher, M D
  The diffusion of turbulent buoyant jets
  IN B. Gebhart and D. S. Hilder, eds.: Advances
  in heat transfer, vol. 16, New York, N. Y.,
  Academic Press, Inc., 1984, p. 1-57.
- Marto, P J; Hernandez, B Nucleate pool boiling characteristics of a GEWA-T surface in freon-113 AICHE Symp. series, no. 225, 1983, p. 1-10.
- Perkins, A J
  Shape memory alloys
  IN Encyclopedia of Sci. and Technol., 16th ed.,
  McGraw Hill, 1985.
- Vanderplaats, G N
  Numerical methods for shape optimization: An assessment of the state of the art
  IN R. G. Gallagher et al., eds.: Optimum structural design, vol. 2, John Wiley & Sons, 1983, p.

## 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
  Elevated temperature fatigue of 2.25Cr-1Mo steel
  Advances in Fracture Res., vo. 3, p. 2239-2248,
  (Dec., 1984).
- 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).

# 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 D; Vining, P G
  Substructure and back stress changes resulting from the cyclic loading of 2 1/4 CR 1 MO steel at 755 degrees K Materials Sci. and Eng., vol. 58, p. 257-267, (1983).
- Challenger, K D; Vining, P G
  The effects of hold time on the fatigue crack growth rate of 2 1/4 CR 1 MO steel
  J. Eng. Materials and Technol. vol. 105, p. 280-285, (Oct., 1983).
- Culbreth, W G: Marschall, E
  Heat transfer phenomenon in the region of dispersed
  phase injection in a direct-contact liquid-liquid heat
  exchanger
  Int. Communication in Heat and Mass Transfer, vol.
  10, no. 3, p. 211-223, (May-June, 1983).
- Daube, F G; Shin, Y S
  Postprocessing of UNDEX responses of submerged
  cylindrical shell using PATRAN-G
  2nd PATRAN Users Conf., Newport Beach, Calif., May
  21-22, 1984.
  IN Conf. Proc., PDA Eng., (May, 1984).
- 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).
- Kelleher, M D; Balasubramanian, N R On the use of linearized boundary conditions in the computation of flow over wavy walls Energy Source Technology Conf., New Orleans, Feb. 12-16, 1984. IN ASME Symp., vol. FED-11, Laminar Turbulent Boundary Layers, p. 73-77, (1984).
- 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.

# DEPARTMENT OF MECHANICAL ENGINEERING PUBLISHED PAPERS (cont'd)

- Kraus, A D

  Efficiency of extended surface

  ASME Symp.: Heat transfer in electronic equipment,

  HTD-v. 57, p. 23-29, (June, 1986).
- 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).
- 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).

Contract Con

- 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; 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).
- Marto, P J
  Heat transfer and two phase flow during shell-side condensation
  ASME-JSME Thermal Eng. Joint Conf., Honolulu, Hawaii, Mar., 1983.
  IN Proc., I. Chem. E., London, Symp. Series, no. 75, p. 561-591, (1983).

# DEPARTMENT OF MECHANICAL ENGINEERING PUBLISHED PAPERS (cont'd)

- Marto, P J
  Improving the thermal performance of large condenser tube bundles
  EPRI Symp. on State-of-the-art Condenser Technology, Orlando, Fla., June, 1983.
  IN Proc., (1983).
- Marto, P J
  Rotating heat pipes
  14th Int. Centre for Heat and Mass Transfer Symp.,
  Dubrovnik, Yugoslavia, Sept., 1982.
  IN Proc., Hemisphere Publ. Co., (1983).
- Marto, P J
  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; 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; Nunn, R H
  The potential of heat transfer enhancement in surface condensers
  Int. Conf. on Surface Condensers: Theory and practice, Inst. of Sci. and Technol., Univ. of Manchester England, Mar. 22-23, 1983.
  IN Proc., I. Chem. E., London, Symp. Series, no. 75, p. 23-40, (1983).
- Marto, P J; Wanniarachchi; Pulido, R J Augmenting the nucleate pool boiling characteristics of GEWA-T finned tubes in R-113 IN Augmentation of Heat Transfer in Energy Systems, ASME HTD, vol. 52, p. 67-73, (1985).

**የሁር ታርያ የያዘመተው ተመታወድ እንደነገር ተመለው እንደነገር እንደነገር እንደነገር እንደነገር ተመመር እንደነገር እና እንደነገር እና እንደነገር እንደነገር እንደነገር እንደ** 

## DEPARTMENT OF MECHANICAL ENGINEERING PUBLISHED PAPERS (cont'd)

- 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; Edwards, M R; Doig, A; Boone, D H; Schultz, C W

  The effect of prior heat treatments on the structure and properties of warm-rolled AISI 52100 steel

  Metallurgical Trans. A, vol. 14, p. 1427-1434, (July, 1983).
- McNelley, T R; Garg, A
  Development of structure and mechanical properties in A1-10.2 wt. pct. Mg by thermomechanical processing Scripta metallurgica, vol. 18, no. 9, p. 917-922, (Sept., 1984).
- 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).

ACCUSACION ACCUSATOR RESEARANCE (ACCUSACION IN POR

<u>ႽჿႽჿຨჁຨຆຑຏຨຏຓຏຨຨຑຩຩຆຩຏຑຩຐ</u>ຎຨຬຬຩຑຉຑ*ຩ*ຑຒຑຨ

# DEPARTMENT OF MECHANICAL ENGINEERING PUBLISHED PAPERS (cont'd)

- Nunn, R H Vorticity growth and decay in the jet in cross flow AIAA J., vol. 23, no. 3, p. 473-476, (Mar., 1985).
- Nunn, R H; Bry, W A
  Drag of a tubular projectile with internal blockage
  J. of Spacecraft and Rockets, vol. 21, no. 2, p.
  216-219, (Mar.-Apr., 1984).
- Nunn, R H; Linsell, D Liquid crystal thermography study of jet-crossflow surface interactions AIAA/AHS/ASEE Aircraft Design Systems and Operations Mtg., San Diego, Calif., Oct. 31 - Nov. 2, 1984. IN Proc., Paper no. AIAA-84-2432, (1984).
- 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).
- Perkins, A J
  Martensitic transformation cycling and the phenomenon of two-way shape memory training
  Int. Conf on Phase Transformations in Solids, Chania, Crete, Greece, June, 1983.
  IN Proc., (1983).
- Perkins, A J
  The microstructure of rapidly solidified beta-phase Cu-Zn-Al alloys
  Metallurgical Trans. A, vol. 14, no. 11, p. 2229-2234, (Nov., 1983).
- Perkins, A J
  Martensitic transformation cycling and the phenomenon of two-way shape memory
  Int. Conf. on Phase Transformations in Solids, Crete, Greece, June, 1983.
  IN Materials Research Soc. Symp., p. 669-674, (1984).
- Perkins, A J
  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).

# DEPARTMENT OF MECHANICAL ENGINEERING PUBLISHED PAPERS (cont'd)

- 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; Muesing, W E
  Martensitic transformation cycling effects in Cu-Zn-Al
  shape memory alloys
  Metallurgical Trans. A, vol. 14, no. 1, p. 33-36,
  (Jan., 1983).
- Perkins, A J; Sponholz, R O
  Stress-induced martensite, transformation cycling and two-way shape memory training in Cu-Zn-Al alloys Metallurgical Trans. A, vol. 13, p. 313-321, (Feb., 1984).
- Sarpkaya, T
  The rise and demise of trailing vortices
  IN Proc. of the Int. Conf. of Advanced Topics in
  Aerodynamics and Aeroacoustics, vol. 1, p. 1-3,
  (1983).
- Sarpkaya, T
  Trailing vortices in homogeneous and density-stratified media
  J. Fluid Mech., vol. 136, p. 85-109, (Nov., 1983).
- Sarpkaya, T

  Effect of orbital motion on resistance in harmonic flow
  16th Int. Cong. of Theoretical and Applied Mechanics,
  Copenhagen, Denmark, Aug. 19-25, 1984.
  IN Proc., Univ. of Denmark, p. 1-3, (1984).
- Sarpkaya, T
  Resistance in combined wave and current flow
  16th Int. Cong. of Theoretical and Applied Mechanics,
  Copenhagen, Denmark, Aug. 19-25, 1984.
  IN Proc., Univ. of Denmark, p. 4-6, (1984).
- Sarpkaya, T
  Discussion of quasi-2-d forces on a vertical cylinder in waves
  J. of Waterway, Port, Coastal and Ocean Eng., (ASCE), vol. 110, no. 1, p. 120-123, (Feb., 1984).

# DEPARTMENT OF MECHANICAL ENGINEERING PUBLISHED PAPERS (cont'd)

- 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. 1985).
- 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; Cakal, I A comprehensive sensitivity analysis of the OTS data Offshore Technol. Conf., Houston, Tex., May 2-5, 1983. IN Proc., p. 317-326, (1983).
- Sarpkaya, T; 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; Storm, M In-land force on a cylinder translating in oscillatory flow Applied Ocean Res., vol. 7, no. 4, p. 178-190, (Oct., 1985).
- Sarpkaya, T; Storm, M A
  Hydrodynamic forces from combined wave and current flow
  on smooth and rough circular cylinders at high Reynolds
  numbers
  Offshore Technol. Conf., Houston, Tex., May, 1984.
  IN Proc., p. 324-348, (1984).

## DEPARTMENT OF MECHANICAL ENGINEERING PUBLISHED PAPERS (cont'd)

- Sarpkaya, T; Wilson, J
  Pressure distribution on smooth and rough cylinders in harmonic flow
  Ocean Structural Dynamic Symp., Oregon State Univ. Corvallis, Sept. 11-13, 1984.
  IN Proc., p. 341-355, (1984).
- Shin, Y S; Chargin, M K
  Acoustic responses of couple fluid-structure system by acoustic-structural analogy
  53rd Shock and Vibration Bull., Part 2, (May, 1983).
- Shin, Y S; Lukins, R W
  Probability-based high-cycle fatigue life predictions
  ASME 4th Nat. Congr. on Pressure Vessel and Piping
  Conf., Portland, Ore., June 19-24, 1983.
  IN Special ASME publication, PVP-72, (June, 1983).
- Shin, Y S; Lukins, R W
  Reliability-based fatigue damage predictions under random vibration environment
  AIAA/ASME/ASCE/AHS 24th Structures, Structural Dynamics, and Materials Conf., Lake Tahoe, Nev., May 2-4, 1983.
  IN Proc., AIAA, part 2, p. 22-27, (May, 1983).
- 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).
- Vanderplaats, G N
  A robust feasible directions algorithm for design synthesis
  AIAA/ASME/ASCE/AHS 24th Structures, Structural Dynamics and Materials Conf., Lake Tahoe, Nev., May, 1983
  IN Proc., AIAA, (1983).

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

# DEPARTMENT OF MECHANICAL ENGINEERING PUBLISHED PAPERS (cont'd)

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

## DEPARTMENT OF MECHANICAL ENGINEERING TECHNICAL REPORTS AND NOTES

- Challenger, K
  An assessment of welding research in Scandinavia
  Prepared for Office of Naval Res., (ONRL-R-2-86),
  1986. 6 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
  Material science research in Europe
  Prepared for Office of Naval Res., (ONRL-R-4-86),
  1986. 11 p.
- 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
  Subminiature hot-wire sensor construction
  Naval Postgraduate School, (NPS-69-84-010), Nov.,
  1984. 15 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.
- 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.
- Nunn, R H; Wright, R J
  Modeling and simulation of a fin actuation system
  Prepared for Naval Weapons Center China Lake, Calif.
  Naval Postgraduate School, (NPS-69-84-001), Dec.,
  1984. 30 p.
- Sarpkaya, T
  Oscillating flow about yawed cylinders
  Prepared for National Science Foundation, Washington,
  D.C. Naval Postgraduate School, (NPS-69-83-001),
  Mar., 1983. 125 p.

## DEPARTMENT OF MECHANICAL ENGINEERING TECHNICAL REPORTS AND NOTES (cont'd)

- Sarpkaya, T
  Pressure measurements about cylinders in oscillating flow
  Prepared for Nat. Sci. Foundation, Washington, D.C.
  Naval Postgraduate School, (NPS-69-83-003), OCt., 1983. 123 p.
- Sarpkaya, T
  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; 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; Daly, J J
   Effects of ambient turbulence and stratification on the demise of trailing vortices
   Sponsored by DARPA, Arlington, VA. Naval Postgraduate School, (NPS-69-86-006), July 11, 1986. 147 p.
- Sarpkaya, T; Henderson, D O
  Surface disturbances due to trailing vortices
  Prepared for DARPA, Arlington, Va. Naval
  Postgraduate School, (NPS-69-84-004), Mar., 1984. 157
  p.
- 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; Knouse, S T; Milster, P F
  Effect of boundary conditions on the damping
  characteristics of a randomly excited cast nickel
  aluminum bronze specimen
  Prepared for David W. Taylor Naval Ship R&D Center,
  Annapolis, Md. Naval Postgraduate School,
  (NPS-69-84-002), Mar., 1984.

# DEPARTMENT OF MECHANICAL ENGINEERING TECHNICAL REPORTS AND NOTES (cont'd)

- Shin, Y S; Milster, P F
  Effect of temperature on the damping characteristics of randomly excited metal plate specimens in a salt water environment
  Naval Postgraduate School, (NPS-69-84-007), Sept., 1984.
- Smith, D L
  An automatic control specialty for the Mechanical
  Engineering Department
  Prepared for Naval Sea Systems Command, Washington,
  D.C. Naval Postgraduate School, (NPS-69-84-012),
  Nov., 1984. 20 p.
- Smith, D L; 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.
- 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.
- Wanniarachchi, A S; Marto, P J
  An evaluation of Liquid and two-phase cooling techniques
  for use in electrical machinery: Final report from Oct.
  1, 1983 to Sept. 30, 1984.
  Prepared for David W. Taylor Naval Ship R & D Center,
  Annapolis, Md. Naval Postgraduate School,
  (NPS-69-84-013), Dec., 1984. 52 p.

PROPERTY PROPERTY DESCRIPTION OF THE PROPERTY OF THE PROPERTY

# DEPARTMENT OF METEOROLOGY

## DEPARTMENT OF METEOROLOGY CONFERENCE PRESENTATIONS

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

BOODDAY ASSESSED ADVISOR AND SOUR

#### DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS

(cont'd)

- Chang, C P
  A review of midlatitude-tropical interactions over East
  Asia during cold surges
  AIT-CCNAA Joint Seminar on Monsoon and Tropical
  Meteorology, Taipei, Taiwan, Apr. 17-22, 1983.
- Chang, C P
  Large-scale effects of cold surges
  U. S. -PRC Workshop on Monsoon Res., Beijing, Peoples
  Republic of China, July, 3-14, 1983.
- Chang, C P
  Midlatitude-tropical interactions during winter monsoons
  Nat. Academy of Sciences Workshop on FGGE, Woods
  Hole, Mass., July 9-20, 1984.
- Chang, C P
  Planetary scale circulation: Observation and theory
  Nat. Academy of Sciences on TOGA, La Jolla, Calif.,
  Feb. 13-15, 1984.
- Chang, C P
  Planetary scale Rossby wave response to tropical heat sources
  Commemorization of the 60th Anniversary of the Chinese Meteorological Soc., Nanjing, People's Republic of China, Oct. 10-15, 1984.
- Chang, C P: Lau, K M W: Lim, H
  Midlatitude-tropical interaction associated with the
  winter monsoon
  FGGE Sem. on Progress in Tropical Meteorology,
  Tallahassee, Fla., Oct., 1984.
- Chang, C P; Peng, M S
  Variations of Mei-Yu fronts over China
  2nd U.S.-P.R.C. Cooperative Workshop on Monsoon
  Research, Monterey, Calif., June 10-13, 1985.
- 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
  Scientific meteorological issues of the marginal ice
  zone
  2nd Alfred-Wegener-Conf. on Air-Sea Interactions,
  Alfred Wegener Inst., Bremerhaven, F. R. G., Nov.
  14-18, 1983.

#### DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- 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.
- 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; Boyle, P J
  Surface stress measurements during STREX 1980
  IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug. 5-16, 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.
- Davidson, K L; Garwood, R W
  Coupled oceanic and atmospheric mixed layer model
  18th General Assembly of the Int. Union of Geodesy
  and Geophysics, Symp. on Sea-Ice Modeling, Hamburg,
  F. R. G., Aug. 17-19, 1983.
- 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.

#### DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

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

#### DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Elsberry, R L
  Review of recent research on oceanic cyclones
  4th Extratropical Cyclone Project Workshop, Madison,
  Wisc., Nov. 2-4, 1983.
- Elsberry, R L
  Numerical prediction of tropical cyclone tracks (lecture notes)
  Workshop on Numerical Weather Prediction, Dept. of Atmos. Sciences, National Taiwan Univ., Apr., 1984.
- Elsberry, R L
  Results of a short course on the Advanced Tropical
  Cyclone Model
  U.S. Pacific Command Tropical Cyclone Conf., Guam,
  Marianas Islands, 1985.
- Elsberry, R L; Adamec, D D Sensitivity studies with an upper ocean prediction model Workshop on the Predictability of Fluid Motions, La Jolla, Calif., Feb., 1983.
- Elsberry, R L; Adamec, D D
  Role of momentum mixing in upper ocean circulations
  IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,
  1985.
- Elsberry, R L; Lage, T D; Peak, J E
  Two evaluations of the operational forecast guidance at
  JTWC
  15th Tech. Conf. on Hurricanes and Tropical
  Meteorology, Miami, Fla., Jan. 9-13, 1984.
- Elsberry, R L; Peak, J E
  Feasibility test of dynamical model forecasts of
  Southern Hemisphere tropical cyclones
  lst Int. Conf. on Southern Hemisphere Meteorology,
  Aug., 1983.
- Elsberry, R L; Sandgathe, S A; Winninghoff, F J
  Development tests for a coupled oceanic-atmospheric
  model for short-term forecasting
  IUGG 18th General Assembly, Hamburg, F. R. G., Aug.
  15-27, 1983.
- Fairall, C W; Markson, R; Davidson, K L Aircraft measurements of surface fluxes in the marginal ice zone AGU Fall Mtg., San Francisco, Calif., Dec., 1984.

#### DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- 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.
- Gallacher, P C; Garwood, R W
  The interaction of planetary rotation and turbulent vorticity in the upper ocean mixed layer at mid-latitudes
  5th Conf. on Ocean-Atmosphere Interaction of the Am. Meteorological Soc., Miami, Fla., Jan., 1984.
- 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.
- Geernaert, G L; Davidson, K L On the behavior of the drag coefficient in frontal regions 1984 Ocean Sciences Mtg., AGU, New Orleans, La., Jan 23-27, 1984.
- Guest, P S; Davidson, K L
  Drag coefficients obtained during MIZEX-83
  1984 Ocean Sciences Mtg., AGU, New Orleans, La., Jan
  23-27, 1984.

**ነበር ትርዕፍ በ**ስር እንዲያቸው እንዲያቸው እስከ እንዲያቸው እንዲያቸው እና እነር እንዲያቸው እና ለሚፈርፈ መፈርፈ መፈርፈ መፈርፈ መመስፈርፈር እና እና ለመ

#### DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Guest, P S; Davidson, K L
  Variation of the drag coefficient and wind wave coupling in the vicinity of a storm front
  10th Ann. Mtg., European Geophysical Soc.,
  Louvain-La-Neuve, Belgium, July 30 Aug. 3, 1984.
- Guest, P S; Davidson, K L
  Wind stress as a function of ice characteristics in the marginal ice zone
  AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Guest, P S; Davidson, K L Wind temperature profiles and turbulence on a large flat floe in the East Greenland Sea marginal ice zone AGU Spring Mtg., Baltimore, Md., May 27, 1985.
- 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.
- Haney, R L
  A ten-year hindcast of large-scale sea surface
  temperature anomalies in the midlatitude North Pacific
  Ocean
  18th General Assembly of the Int. Assoc. for the
  Physical Sciences of the Ocean, Hamburg, F. R. G.,
  Aug. 15-27, 1983.
- Haney, R L
  Some SST anomalies I have known, thanks to Jerome Namias
  Namias Symp., Scripps Inst. of Oceanography, La
  Jolla, CA, Oct. 22, 1985.
- 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
  Some SST anomalies I have known, thanks to Jerome Namias
  Namias Symp., Scripps Inst. of Oceanography, La
  Jolla, CA, Oct. 22, 1985.
- Haney, R L; Chan, J C H
  On the 1982/83 warm event in the Equatorial Pacific
  5th Conf. on Ocean-Atmosphere Interaction of the Am.
  Meteorological Soc., Miami, Fla., Jan. 9-13, 1984.

# DEPARTMENT OF METEOROLOGY CONFERENCE PRESENTATIONS (cont'd)

- Haney, R L; Rennick, M A
   Air-sea interaction in coupled shallow water models of
   the equatorial atmosphere and ocean
   AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
- Haney, R L; Rutsch, A H
  Rossby waves in a model simulation of the North Pacific
  Ocean
  Fall Mtg. of Am. Geophysical Union, San Francisco,
  Calif., Dec. 4-8, 1983.
- Hayes, J L; Williams, R T
  Numerical simulation of Lee Cyclogenesis
  6th Conf. on Numerical Weather Prediction of the Am.
  Meteorological Soc., Omaha, Neb., June 6-9, 1983.
- Hayes, J L; Williams, R T; Rennick, M A
  Numerical studies of Atmospheric Lee Cyclogenesis
  4th Conf. on Atmospheric and Oceanic Waves and
  Stability of the Am. Meteorological Soc., Boston,
  Mass., Mar. 22-25, 1983.
- Hayes, J L; Williams, R T; Rennick, M A
  Numerical study of lee cyclogenesis
  Int. Conf. for Alpine Meteorology, Opatiga,
  Yugoslavia, Sept. 25-29, 1984.
- Hinsman, D E; Elsberry, R L; Hovermale, J B
  Development of Navy Advanced Tropical Cyclone Model
  16th Technical Conf. on Hurricanes and Tropical
  Meteorology, Houston, Tex., May, 1985.
- 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.
- Monahan, E C; Spiel, D E; Davidson, K L
  Model of marine aerosol generation vs. white-caps and
  wave disruption
  AMS Conf. on Aerospace and Aeronautical Meteorology,
  Omaha, Neb., June 6-9, 1983.

#### DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Neta, B; Hinsman, D E; Williams, R T Studies in a shallow water fluid model with topography 11th IMAC World Cong., Oslo, Norway, Aug. 5-9, 1985.
- Peak, J E; Elsberry, R L
  Prediction of tropical cyclone turning and acceleration
  using empirical orthogonal function representations
  15th Tech. Conf. on Hurricanes and Tropical
  Meteorology, Miami, Fla., Jan. 9-13, 1984.
- Peak, J E; Elsberry, R L
  Objective selection of optimum tropical cyclone guidance using a decision-tree methodology
  16th Technical Conf. on Hurricanes and Meteorology,
  Houston, Tex., May, 1985.
- Peak, J E; Wash, C H; Ebersole, K A; Elsberry, R L A study of Glas and UCLA model forecasts of explosive cyclogenesis
  7th Conf. on Numerical Weather Prediction, Montreal, Canada, June, 1985.
- Peng, M S; Chang, C P
  On the Mei-Yu front of the East Asian summer monsoon
  IAMAP/IAPSO Joint Symp. on Monsoon Circulation in
  Oceans and Atmospheres, Honolulu, Hawaii, Aug., 5-16,
  1985.

STATE OF THE PARTY OF THE PARTY

かんか かんしょうしょ

- Peng, M S; Williams, R T
  Application of multiple-scale technique to barotropic and baroclinic instability of a current with slow zonal variation
  SIAM Summer Mtg., Seattle, Wash., 1984.
- Peng, M S; Williams, R T
  Spatial instability of parallel and nonparallel flows in the two-layer baroclinic model
  5th Conf. on Atmos. and Oceanic Waves and Stability of the Am. Meteorological Soc., New Orleans, La., Mar. 4-7, 1985.
- Peng, M S; Williams, R T; Chang, C P
  Barotropic instability in a slowly varying easterly jet
  Joint Conf. of the 18th Ann. Cong. of the Canadian
  Meteorological and Oceanogr. Soc. and the 11th Ann.
  Mtg. of the Canadian Geophys. Union, Halifax, Nova
  Scotia, Canada, May 28-June 1, 1984.

#### DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Ranelli, P H; Elsberry, R L; Liou, C-S E; Sandgathe, S A Effects of ranging sea-surface temperature on 10 day atmospheric model forecasts

  16th Int. Liege Colloquium on Ocean Hydrodynamics, Liege, Belgium, May 7-11, 1984.
- Ranelli, P H; Sandgathe, S A; Elsberry, R L Response of an atmospheric prediction model to time-dependent sea-surface temperatures AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.
- Renard, R J
  Use of AWS data in forecasting vicinity of McMurdo,
  Antarctica
  NSF Antarctic Automatic Weather Station (AWS) Conf.,
  Univ. of Wisc. Madison, Apr. 6-8, 1983.
- Renard, R J
  Climatology and weather forecasting for the Ross Ice
  Shelf Area of Antarctica using AWS data and standard
  observations
  NSF Antarctic Automatic Weather Station (AWS) Conf.,
  NOAA, Boulder, Colo., Mar. 22, 1984.
- Renard, R J; Sounders, C G
  The visibility climatology of McMurdo/Williams Field,
  Antarctica
  Am. Meteorological Soc. 10th Conf. on Weather
  Forecasting and Analysis, Clearwater Beach, Fla.,
  June 25-29, 1984.
- Renard, R J; Thompson, W J
  Use of remote site automatic weather station data for analysis and forecasting in the Western Ross Sea / Ice Shelf Area
  IUGG 18th General Assembly, Hamburg, F. R. G., Aug. 15-27, 1983.
- Renard, R J; Thompson, W J; Hervey, S P
  Analysis of pressure, temperature and wind data from
  remote site automatic weather stations near McMurdo,
  Anstarctica
  AMS 1st Int. Conf. on Southern Hemisphere
  Meteorology, Sao Jose dos Campos, Brazil, July 31-Aug
  6, 1983.
- Rennick, M A; Haney, R L A model of oceanic response to anomalous wind forcing in the Equatorial Pacific IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug. 5-17, 1985.

#### DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Rennick, M A; Williams, R T
  Representation of the tropopause using sigma coordinates
  6th Conf. on Numerical Weather Prediction of the Am.
  Meterological Soc., Omaha, Neb., June 6-9, 1983.
- Rovero, P J; Liou, C -S; Elsberry, R L
  Effects of time-dependent sea-surface temperature on atmospheric model predictions to 10 days
  7th Conf. on Numerical Weather Prediction, Montreal, Canada, June, 1985.
- Shaffer, A R; Chang, C P; Elsberry, R L Long-wave forcing of equatorial penetrating winter monsoon cold surges 15th Tech. Conf. on Hurricanes and Tropical Meteorology, Miami, Fla., Jan. 9-13, 1984.
- Shaw, W J
  Intermittency and the organization of turbulence in the near-neutral marine atmospheric boundary layer
  6th Symp. on Turbulence and Diffusion, Boston, Mass., Mar. 22-25, 1983.
- Shaw, W J
  Mesoscale variability of the marine boundary layer
  related to sea surface temperature
  Workshop on Air-Sea Interaction, Boulder, Colo., Feb.
  14-18, 1983.
- Shaw, W J; Tillman, J E
  A correction for different wet-bulb and dry-bulb response in thermocouple psychrometry
  1985 Int. Symp. on Moisture and Humidity, Washington, D.C., Apr. 15-18, 1985.
- Shay, L K; Elsberry, R L
  Observations of inertio-gravity waves in the wake of
  hurricane Frederic
  AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.
- 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.

#### DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Stringer, G L: Elsberry, R L: Gallacher, P C
  Some examples of cold anomaly development and evolution
  in the central North Pacific
  AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.
- Swaykos, J W; Davidson, K L; Boyle, P A; Garwood, R W Mixed layer results from MILDEX AGU Fall Ann. Mtg., San Francisco, Calif., Dec., 1984.
- Uccellini, L; Keyser, D; Wash, C H; Brill, K
  The role of a tropopause fold on the rapid deployment of an intense cyclone
  Int. Conf. on Mesoscale Meteorology, Melbourne, Australia, 1984.
- Uccellini, L; Keyser, D; Wash, C H; Brill, K
  The President's Day cyclone of 18-19 February 1979:
  Influence of a tropopause fold on rapid cyclogenesis
  10th Conf. on Weather Analysis and Forecasting,
  Clearwater, Fla., June 25-29, 1984.
- Uccellini, L; Kocin, P; Petersen, R; Brill, K; Wash, C H
  Aspects of supergradient motion in a subtropical jet
  streak and implications for the development of locally
  heavy precipitation
  lst Conf. on Mesoscale Meteorology, Norman, Okla.,
  June, 1983.
- 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; Calland, W
  Diagnostic study of explosive oceanic cyclogenesis during FGGE
  10th Conf. on Weather Analysis and Forecasting, Clearwater, Fla., June 25-29, 1984.
- Wash, C H; Chou, L C; Nelsen, C; Moren, C; Spray, L Satellite cloud and precipitation analysis using interactive computer system Conf. on Satellite/Remote Sensing Applications, Clearwater, Fla., June 25-29, 1984.

#### DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Wash, C H; Chou, L C; Spray, L
  Geostationary satellite cloud and precipitation analysis using an interactive computer system
  Newscasting-II Symp., Norrikoping, Sweden, Sept. 3-7, 1984.
- Williams, R T
  Numerical methods and mountain treatments (lecture notes)
  Workshop on Numerical Weather Prediction, Dept. of Atmos. Sciences, National Taiwan Univ., Apr., 1984.
- Williams, R T
  Lectures in numerical schemes and effects of topography
  Workshop on Numerical Weather Prediction, Dept. of
  Atmospheric Sciences, National Taiwan Univ., Taipei,
  Taiwan, Apr., 1985. 139 p.
- Wilson, W E; Elsberry, R L; Peak, J E; Chan, J C Prediction of tropical cyclone motion based on an EOF representation of the environmental wind fields 16th Technical Conf. on Hurricanes and Meteorology, Houston, Tex., May, 1985.
- 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.

THE PROPERTY OF THE PROPERTY O

## DEPARTMENT OF METEOROLOGY CONTRIBUTIONS TO BOOKS

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

# DEPARTMENT OF METEOROLOGY CONTRIBUTIONS TO BOOKS

- 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.
- 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.

# DEPARTMENT OF METEOROLOGY PUBLISHED PAPERS

- Adamec, D D; Elsberry, R L
  Sensitivity of mixed layer predictions at Ocean Station
  Papa to atmospheric forcing parameters
  J. Phys. Oceanogr., vol. 14, no. 4, p. 769-780,
  (Apr., 1984).
- Adamec, D D; Elsberry, R L
  The use of mean atmospheric forcing in an ocean mixed layer model
  J. Phys. Oceanogr., vol. 14, no. 10, p. 1670-1676, (Oct., 1984).
- Adamec, D D; Elsberry, R L Response of an intense oceanic current system to cross-stream cooling events AGU Fall Mtg., San Francisco, Calif., Dec., 1984. IN EOS, vol. 65, no. 45, p. 935, (1984).
- Adamec, D D; Elsberry, R L
  Response of an intense oceanic current system to cross-stream cooling events
  J. Phys. Oceanogr., vol. 15, no. 3, p. 273-287, (Mar., 1985).
- Adamec, D D; Elsberry, R L
  The response of intense oceanic current systems entering regions of strong cooling
  J. Phys. Oceanogr., vol. 15, no. 10, p. 1284-1295, (Oct., 1985).
- Adamec, D D; Garwood, R W
  The simulated response of an upper-ocean density front to local atmpospheric forcing
  J. Geophys. Res., vol. 90, no. Cl, 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).
- Boyle, P J; Davidson, K L; Schacher, G E
  Evaluation of an integrated mixed layer model for single
  station prediction in a marine regime
  Newscasting -II Symp., Norrkoping, Sweden, Sept. 3-7,
  1984.
  IN Proc., p. 323-327, (1984).

#### DEPARTMENT OF METEOROLOGY

#### PUBLISHED PAPERS

(cont'd)

- 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).
- Businger, J A; Shaw, W J
  The response of the marine boundary layer to mesoscale variations in sea-surface temperature
  Dynamics of Atmospheres and Oceans, vol. 8, p. 267-281, (1984).
- Chang, C P
  A review of midlatitude-tropical interactions over East
  Asia during cold surges
  AIT-CCNAA Joint Seminar on Monsoon and Tropical
  Meteorology, Taipei, Taiwan, Apr. 17-22, 1983.
  IN Proc., Nat. Taiwan Univ., p. 59-65, (1983).
- Chang, C P
  Midlatitude-tropical interactions during winter monsoons
  Nat. Academy of Sciences Workshop on FGGE, Woods
  Hole, Mass., July 9-20, 1984.
  IN Proc., (1984).
- Chang, C P
  A review of midlatitude tropical interactions over East
  Asia during cold surges
  Papers in Meteorological Res., vol. 7, (1984).
- Chang, C P; 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: Lum, K G
Tropical-midiatitude 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).

#### DEPARTMENT OF METEOROLOGY

#### PUBLISHED PAPERS

- Chang, C P; Millard, J E; Chen, G T J
  Gravitational character of cold surges during Winter
  MONEX
  Mon. Weather Rev., vol. 111, no. 2, p. 293-307,
  (Feb., 1983).
- 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.
- 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; Fairall, C W; Boyle, P J; Schacher, G E Verification of an atmospheric mixed layer model for a coastal region
  J. Climate and Appl. Meteorology, vol. 23, no. 4, p. 617-636, (Apr., 1984).
- Davidson, K L; Fairall, C W
  Dynamics and modeling of aerosols in the marine
  atmospheric boundary layer
  Whitecap Workshop, Univ. College, Galway, Ireland,
  Sept., 1983.
  IN Proc., (1983).
- Davidson, K L; Garwood, R W
  Coupled oceanic and atmospheric mixed layer model
  18th General Assembly of the Int. Union of Geodesy
  and Geophysics, Symp. on Sea-Ice Modeling, Hamburg,
  F. R. G., Aug. 17-19, 1983.
  IN Proc., IUGG Inter-Disciplinary Symposia, vol.
  2, 1983.

# DEPARTMENT OF METEOROLOGY PUBLISHED PAPERS

(cont'd)

- Davidson, K L; Garwood, R W
  Coupled oceanic and atmospheric mixed layer model
  Dynamics of Atmospheres and Oceans, vol. 8, p.
  783-796, (Nov., 1984).
- Davidson, K L; 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; Schutz, L
  Observational results on the influence of surface layer stability and inversion entrainment on surface layer marine aerosol number density (1 m)
  Optical Eng., vol. 22, 45-59, (1983).
- Durkee, P A
  The vertical distribution of marine aerosols inferred from dual-wavelength radiance measurements
  Tropical Mtg. on Optical Remote Sensing of the Atmosphere, Incline Village, Nev., Jan. 15-18, 1985.
  IN Proc., Optical Soc. of America, 4 p., (1985).
- 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; Hindman, E E; Jensen, D R; Von Der Haar, T H
  Marine aerosol optical depth from satellite detected
  radiance
  Conf. on Satellite/Remote Sensing and Applications,
  Clearwater Beach, Fla., June 25-29, 1984.
  IN Proc., AMS, p. 11-14, (1984).
- 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
  Recent developments in tropical cyclone track
  forecasting
  CCNAA-AIT Joint Seminar on Monsoon and Tropical
  Meteorology, Taipei, Taiwan, Apr., 1983.
  IN Proc., Coordination Council for No. Am. Affairs
  and Am. Inst. in Taiwan, p. 89-98, (1983).

#### DEPARTMENT OF METEOROLOGY

#### PUBLISHED PAPERS

- Elsberry, R L
  Results of a short course on the Advanced Tropical
  Cyclone Model
  U.S. Pacific Command Tropical Cyclone Conf., Guam,
  Marianas Islands, 1985.
  IN Proc., Environmental Group, Pacific Command, p.
  204-217, (1985).
- Elsberry, R L; Adamec, D D; Sensitivity studies with an upper ocean prediction model Workshop on the Predictability of Fluid Motions, La Jolla, Calif., Feb., 1983. IN Proc., Am. Inst. of Physics, p. 473-488, (1983).
- Elsberry, R L; Peak, J E
  Feasibility test of dynamical model forecasts of
  Southern Hemisphere tropical cyclones
  1st Int. Conf. on Southern Hemisphere Meteorology,
  Aug., 1983.
  IN Proc., AMS, p. 355-358, (1983).
- Elsberry, R L; Peak, J E
  Dynamical-statistical model forecasts of Southern
  Hemisphere tropical cyclones
  Mon. Weather Rev., vol. 122, no. 4, p. 717-724,
  (Apr., 1984).
- 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; Sandgathe, S A; Winninghoff, R J
  Short-term oceanic response predicted by a mixed layer
  model forced with a sector atmospheric model
  J. Phys. Oceanogr., vol. 14, no. 1, p. 79-91, (Jan.,
  1984).
- Fairall, C W: Davidson, K L: Schacher, G E An analysis of the surface production of sea salt aerosol Tellus, vol. 35B, p. 31-39, (1983).
- Fairall, C W; Davidson, K L; Schacher, G E
  Application of a mixed layer model to aerosol in the
  marine boundary layer
  Tellus, Part B, vol. 36, no. 3, p. 203-211, (1984).

#### DEPARTMENT OF METEOROLOGY

#### PUBLISHED PAPERS

- 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).
- 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; 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).
- 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).
- Geernaert, G L; Davidson, K L
  On the behavior of the drag coefficient in frontal
  regions
  1984 Ocean Sciences Mtg., AGU, New Orleans, La., Jan.
  23-27, 1984.
  IN EOS Trans., vol. 64, no. 52, (1983).

#### DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

- Guest, P S; Davidson, K L
  Drag coefficients obtained during MIZEX-83
  1984 Ocean Sciences Mtg., AGU, New Orleans, La., Jan.
  23-27, 1984.
  IN EOS Trans., vol. 64, no. 52, (1983).
- Guymer, T H; Businger, J A; Katsaros, K B; Shaw, W J; T vlor, P K; Large, W G; Payne, R E
  Transfer processes at the air-sea interface
  Philosophical Trans., R. Soc. London, vol. 308, no. 1503, p. 253-273, (Feb., 1983).
- 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
  A ten-year hindcast of large-scale sea surface temperature anomalies in the midlatitude North Pacific Ocean
  18th General Assembly of the Int. Assoc. for the Physical Sciences of the Ocean, Hamburg, F. R. G., Aug. 15-27, 1983.
  IN 18th Gen. Assembly IAPSO Programme and Abstracts, p. 325, (May, 1983).
- Haney, R L
  Comment on Seasonality in the associations between surface temperatures over the United States and the North Pacific Ocean
  Mon. Weather Rev., vol. 112, no. 4, p. 868-870, (Apr., 1984).
- Haney, R L
  Midlatitude sea-surface temperature anomalies: A
  numerical hindcast
  J. Phys. Oceanogr., vol. 15, no. 6, p. 787-799,
  (June, 1985).
- Haney, R L
  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).

#### DEPARTMENT OF METEOROLOGY

#### PUBLISHED PAPERS

(cont'd)

- Haney, R L: Chan, J C H
  On the 1982/3 warm event in the equatorial Pacific Ocean Modeling, vol. 52, p. 1-3, (Sept., 1983).
- Haney, R L; Houtman, B H; Little, W H
  The relationship between wind and sea surface
  temperature anomalies in the midlatitude North Pacific
  Ocean
  Atmosphere-Ocean, vol. 21, no. 2, p. 163-186, (1983).
- Haney, R L; Rennick, M A
  Air-sea interaction in coupled shallow water models of
  the equatorial atmosphere and ocean
  AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
  IN EOS, vol 65, no. 45, p. 845, (1984).
- 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
  Numerical study of lee cyclogenesis
  Int. Conf. for Alpine Meteorology, Opatiga,
  Yugoslavia, Sept. 25-29, 1984.
  IN Zbornik, Meteoroloskih i Hidroloskih Radova,
  vol. 10, p. 80-83, (1984).

THE CONTRACT OF THE PARTY OF TH

- 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).
- Lau, K M W; Boyle, J S; Chang, C P
  Anomalous diabatic heating and large-scale circulation in the tropics during the 1976-77 and 1982-83 ENSO's Tropical ocean-atmosphere newsletter, vol. 24, p. 12-13, (1984).
- Lau, K M W; Chang, C P; Chan, P H
  Short-term planetary-scale interactions over the tropics
  and midlatitudes: Part II: Winter MONEX periods
  Mon. Weather Rev., vol. 111, no. 7, p. 1372-1388,
  (July, 1983).

#### DEPARTMENT OF METEOROLOGY

#### PUBLISHED PAPERS

- Lim, H; Chang, C P
  Dynamics of teleconnections and Walker circulations forced by equatorial heating
  J. Atmos. Sciences, vol. 40, no. 8, p. 1897-1915, (Aug., 1983).
- Lim, H; Chang, C P
  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).
- Martin, B J; Poock, G K
   An initial implied look at stress and voice recognition
   J. of Am. Voice Input/Output Soc., vol. 1, no. 1, 10
   p., (June, 1984).
- Monahan, E C; Fairall, C W; Davidson, K L; Boyle, P J Observed inter-relationships amongst 10 m winds, ocean whitecaps and marine aerosol Q. J. R. Meteorological Soc., vol. 109, no. 460, p. 379-392, (Apr., 1983).
- Monahan, E C; Spiel, D E; Davidson, K L
  Model of marine aerosol generation vs. white-caps and
  wave disruption
  AMS Conf. on Aerospace and Aeronautical Meteorology,
  Omaha, Neb., June 6-9, 1983.
  IN Proc., AMS, p. 152-174, (1983).
- Neta, B; Hinsman, D E; Williams, R T
  Studies in a shallow water fluid model with topography
  11th IMAC World Cong., Oslo, Norway, Aug. 5-9, 1985.
  IN Proc., IMAC, p. 209-213, (1985).
- 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).

#### DEPARTMENT OF METEOROLOGY

#### PUBLISHED PAPERS

- Nicholls, S; Shaw, W J; Hauf, T An intercomparison of aircraft turbulence measurements made during JASIN J. Climate and Appl. Meteorology, vol. 22, no. 9, p. 1637-1648, (Sept., 1983).
- Nicholls, S; Brummer, B; ; Grant, A; Hauf, T; Jenkins, G; Readings, C; Shaw, W J

  The structure of the turbulent atmospheric boundary layer

  Philosophical Trans., R. Soc. London, vol. 308, no. 1503, p. 291-309, (Feb., 1983).
- Peak, J E; Elsberry, R L
  Prediction of tropical cyclone turning and acceleration
  using empirical orthogonal function representations
  15th Tech. Conf. on Hurricanes and Tropical
  Meteorology, Miami, Fla., Jan. 9-13, 1984.
  IN Proc., AMS, p. 45-50, (1984).
- Peak, J E; Elsberry, R L
  Objective selection of optimum tropical cyclone guidance using a decision-tree methodology
  16th Technical Conf. on Hurricanes and Meteorology,
  Houston, Tex., May, 1985.
  IN Preprint, Am. Meteorological Soc., p. 97-98,
  (1985).
- Peak, J E; 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. Atmos. Sciences, vol. 43, Nov., 1986.

#### DEPARTMENT OF METEOROLOGY

#### PUBLISHED PAPERS

- Ranelli, P H; Sandgathe, S A; Elsberry, R L
  Response of an atmospheric prediction model to
  time-dependent sea-surface temperatures
  AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.
  IN EOS, vol. 64, no. 45, p. 671, (1983).
- Renard, R J; Souders, C G
  The visibility climatology of McMurdo/Williams Field,
  Antarctica
  Am. Meteorological Soc. 10th Conf. on Weather
  Forecasting and Analysis, Clearwater Beach, Fla.,
  June 25-29, 1984.
  IN Proc., AMS, p. 98-101, (1984).
- Renard, R J; Thompson, W J Estimating visibility over the North Pacific Ocean using model output statistics Nat. Weather Digest, vol. 9, no. 2, p. 18-25, (1984).
- Renard, R J; Thompson, W J; Hervey, S P
  Analysis of pressure, temperature and wind data from remote site automatic weather stations near McMurdo, Antarctica

  AMS 1st Int. Conf. on Southern Hemisphere Meterology, Sao Jose dos Campos, Brazil, July 31-Aug. 6, 1983.

  IN Proc., Am. Meteorological Soc., p. 234-237, (1983).
- Rovero, P J; Liou, C -S; Elsberry, R L

  Effects of time-dependent sea-surface temperature on atmospheric model predictions to 10 days

  7th Conf. on Numerical Weather Prediction, Montreal, Canada, June, 1985.

  IN Proc., Am. Meteorological Soc., p. 362-368, (1985).
- Saha, K R; Chang, C P
   The baroclinic process of monsoon depressions
   Mon. Weather Rev., vol. 111, no. 7, p. 1506-1514,
   (July, 1983).
- 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).

#### DEPARTMENT OF METEOROLOGY

#### PUBLISHED PAPERS

- Shaffer, A R; Chang, C P; Elsberry, R L
  Long-wave forcing of equatorial penetrating winter
  monsoon cold surges
  15th Tech. Conf. on Hurricanes and Tropical
  Meteorology, Miami, Fla., Jan. 9-13, 1984.
  IN Proc., AMS, p. 427-432, (1984).
- Shaw, W J
  Mesoscale variability of the marine boundary layer
  related to sea surface temperature
  Workshop on Air-Sea Interaction, Boulder, Colo., Feb.
  14-18, 1983.
  IN Meeting report, ONR, (1983).
- Shaw, W J
  Intermittency and the organization of turbulence in the near-neutral marine atmospheric boundary layer
  6th Symp. on Turbulence and Diffusion, Boston, Mass.,
  Mar. 22-25, 1983.
  IN Extended Abstracts, AMS, p. 356-359, (1983).
- Shaw, W J; Businger, J A
  Intermittency and the organization of turbulence in the
  near-neutral marine atmospheric boundary layer
  J. Atmos Sciences, vol. 42, no. 23, p. 2563-2584,
  (Dec., 1985).
- Shaw, W J; Tillman, J E
  A correction for different wet-bulb and dry-bulb response in thermocouple psychrometry
  1985 Int. Symp. on Moisture and Humidity, Washington, D.C., Apr. 15-18, 1985.
  IN Proc., Moisture and humidity 1985: Measurement and control in science and industry, (1985).
- Shay, L K; Elsberry, R L
  Observations of inertio-gravity waves in the wake of
  hurricane Frederic
  AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.
  IN EOS, vol. 64, no. 45, p. 739, (1983).
- 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.

#### DEPARTMENT OF METEOROLOGY

#### PUBLISHED PAPERS

- 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).
- Stringer, G L; Elsberry, R L; Gallacher, P C Some examples of cold anomaly development and evolution in the central North Pacific AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983. IN EOS, vol. 64, no. 45, p. 737, (1983).
- Swaykos, J W; Davidson, K L; Boyle, P A; Garwood, R W Mixed layer results from MILDEX AGU Fall Ann. Mtg., San Francisco, Calif., Dec., 1984.

  IN EOS, vol. 65, p. 942, (1984).
- Uccellini, L; Keyser, D; Wash, C H; Brill, K
  The President's Day cyclone of 18-19 February 1979:
  Influence of a tropopause fold on rapid cyclogenesis
  10th Conf. on Weather Analysis and Forecasting,
  Clearwater, Fla., June 25-29, 1984.
  IN Preprint vol., AMS, p. 614-622, (1984).
- Uccellini, L; Keysor, C; Wash, C H; Brill, K
  The President's Day Cyclone of 18-19 February 1979:
  Influence of the upstream trough amplification and associated tropopause fold on cyclogenesis
  Mon. Weather Rev., vol. 113, no. 6, p. 962-988, (June, 1985).
- Uccellini, L; Koçin, P; Peterson, R; Wash, C H; Brill, K
  The President's Day cyclone of 18-19 February 1979:
  Synoptic overview and analysis of the subtropical jet
  streak influencing the pre-cyclogenetic period
  Mon. Weather Rev., vol. 112, no. 1, p. 31-55, (Jan., 1984).
- Wash, C H; Calland, W
  Diagnostic study of explosive oceanic cyclogenesis during FGGE
  10th Conf. on Weather Analysis and Forecasting, Clearwater, Fla., June 25-29, 1984.
  IN Preprint vol. AMS, p. 608-613, (1984).
- Wash, C H; Chou, L C; Nelsen, C; Moren, C; Spray, L Satellite cloud and precipitation analysis using interactive computer system Conf. on Satellite/Remote Sensing Applications, Clearwater, Fla., June 25-29, 1984. IN Preprint vol., AMS, p. 155-159, (1984).

#### DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

- Wash, C H
  Geostationary satellite cloud and precipitation analysis using an interactive computer system
  Newscasting-II Symp., Norrikoping, Sweden, Sept. 3-7, 1984.
  IN Proc., European Space Agency, p. 123-127, (1984).
- Wash, C H; Spray, L
  Weather analysis programs using hand calculator
  Nat. Weather Digest, vol. 10, no. 4, (Nov., 1985).
- Williams, R T; Lim, H; Chang, C P
  Nonlinear and linear effects in an easterly jet with downstream variation
  J. of Atmos. Sciences, vol. 41, no. 4, p. 621-636, (1984).
- Wilson, W E; Elsberry, R L; Peak, J E; Chan, J C
  Prediction of tropical cyclone motion based on an EOF
  representation of the environmental wind fields
  16th Technical Conf. on Hurricanes and Meteorology,
  Houston, Tex., May, 1985.
  IN Proc., Am. Meteorological Soc., p. 180-181,
  (1985).
- 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).
- 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).

# DEPARTMENT OF METEOROLOGY TECHNICAL REPORTS AND NOTES

- Boyle, J S; Chang, C P
  Monthly and seasonal climatology over the global tropics and subtropics for the decade 1973 to 1983: Vol. 1: 200 mb winds
  Prepared for N. O. A. A., Washington, D.C. Naval Postgraduate School, (NPS-63-84-006), Oct., 1984. 172 p.
- Boyle, J S; 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; Lau, K M W
  Monthly and seasonal climatology over the global tropics and subtropics for the decade 1974 to 1983: Vol. 2: Outgoing longwave radiation
  Sponsored by Climate Analysis Center/NMC, NOAA, Washington, DC Naval Postgraduate School, (NPS-63-84-007), Aug., 1984. 58 p.
- Boyle, J S; Wash, C H
  Evaluation of the Navy Operational Global Analysis and Prediction System (NOGAPS), 2.1 systematic error -Winter, 1983/84
  Sponsored by Naval Environmental Prediction Res.
  Facility, Monterey, Calif. Naval Postgraduate School, (NPS-63-85-002), Nov., 1985. 69p.
- Chang, C P
  Report of a Workshop for the Winter Monsoon Experiment,
  14-15 June 1982, Monterey, California
  Sponsored by the Nat. Academy of Sciences,
  Washington, D.C. Naval Postgraduate School,
  (NPS-63-83-002), 1983. 55 p.
- Chang, C P; Lau, K M W
  Large-scale ocean-atmosphere coupling
  Prepared for Nat. Sci. Foundation, Washington, D.C.
  Naval Postgraduate School, (NPS-63-84-004), May,
  1984. 99 p.

#### DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

- Daniels, A; Shaw, W J
  Calibration standards
  IN Nat. Center for Atmospheric Res.,
  (NCAR/TN-237+IA), 1984.
- Davidson, K L; Geernaert, G L R/V Haakon Mosby meteorological measurements/conditions IN CRREL, (Special rep. 84-29), 1984, p. 93-95.
- Elsberry, R L
  A synoptic case study analysis of the ocean temperature
  Prepared for NORDA, Bay St. Louis, Miss. Naval
  Postgraduate School, (NPS-63-84-003), Jan., 1984. 75
  p.
- Elsberry, R L
  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; 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.
- 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.

ESSESSO DE LOS DESERVATORES DE LA COMPANSA DEL COMPANSA DEL COMPANSA DE LA COMPANSA DEL COMPANSA DEL COMPANSA DE LA COMPANSA DE LA COMPANSA DE LA COMPANSA DE LA COMPA

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.

#### DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

- Gallacher, P C; Bird, A A; Garwood, R W; Elsberry, R L A determination of the constants for a second-order closure turbulence model from geophysical data Prepared for Naval Ocean R & D Activity, NSTL Station, Miss. Naval Postgraduate School, (NPS-63-83-004), Sept., 1983. 35 p.
- 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.

- 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; Daley, C; Wells, G Astronaut's guide for observing meteorological phenomena NASA, (Tech. rep. JSC-83127), 1983. 68 p.
- Wash, C H; Spray, L; Chou, L C
  Satellite cloud and precipitation analysis using a minicomputer
  Sponsored by Naval Environmental Prediction Res. Facility, Monterey, Calif. Naval Postgraduate School, (NPS-63-85-003), Nov., 1985. 90p.
- Wash, C H; Spray, L A
  Weather analysis programs using HP-41CV
  Prepared for Naval Oceanographic Office, Bay St.
  Louis, Miss. Naval Postgraduate School,
  (NPS-63-84-008), Nov., 1984. 40 p.

#### DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

- Williams, R T; Elsberry, R E; Haltiner, G J; Chang, C P; Rosmond, T E
  Report to the Institute of Information Industry on the Development of Numerical Weather Prediction at the Central Weather Bureau: Vol. 2: Evaluation of major existing operational NWP models and consideration of the present state of R&D
  Monterey Atmos. Sciences Lab., (Tech. rep.), Apr., 1983. 78 p.
- Winninghoff, F J; Elsberry, R L
  Some aspect of post-frontal convective areas along the
  west coast of the United States
  Prepared for NASA, Washington, D.C. Naval
  Postgraduate School, (NPS-63-84-005), Dec., 1983. 38
  p.
- Winninghoff, F J; Williams, R T
  Further studies in the application of dynamic
  initialization for global prediction models with special
  attention to equatorial waves
  Naval Postgraduate School, (NPS-63-83-001), Apr.,
  1983. 43 p.

# DEPARTMENT OF NATIONAL SECURITY AFFAIRS

# DEPARTMENT OF NATIONAL SECURITY AFFAIRS CONFERENCE PRESENTATIONS

- Amos, J W
  Assyrians in the Middle East: Search for national identity
  MESA Conf., Chicago, Ill., Nov., 1983.
- Amos, J W
  Assyrians in the Middle East: Structural conditions of nationalism
  MESA Conf., Chicago, Ill., Nov., 1983.
- Amos, J W
  Gobal strategy and atomic violence: Beirut and beyond ISA Conf., Mexico City, Mexico, Apr., 1983.
- Amos, J W
  Libyan tribal strategy: The rural dimension of foreign policy
  MESA Conf., Chicago, Ill., Nov., 1983.
- 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.

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

- 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
  China's regularized ground forces in People's war under modern conditions
  Modern China Res. Colloquium, Univ. of Washington Seattle, Feb. 24, 1983.
- Jencks, H W
  Regularization of PLA ground forces
  Chinese Defense Policy in the Eighties, Garmisch, F.
  R. G., May 2-5, 1983.
- Jencks, H W
  The current state of Chinese military studies.
  Colloquium of Center for Chinese Studies, Univ. of California, Berkeley, CA, Feb. 7, 1986.
- Looney, R E
  Analysis of the 1983 IMF Mexican stabilization program
  Eastern Econ. Assoc. Conf., Boston, Mass., Mar. 10,
  1983.
- Looney, R E
  Impact of the world oil glut on the Saudi Arabian third
  five-year-plan 1980-85
  Middle East Studies Assoc., Chicago, Ill., Nov. 7,
  1983.
- Looney, R E
  Saudi Arabia's recent economic performance; An optimal control assessment
  Eastern Econ. Assoc. Conf., Boston, Mass., Mar. 9, 1983.
- Looney, R E
  Monetary policy, industrialization and religion: The case of the Gulf States
  Middle East Econ. Assoc. Conf., Dallas, Tex., Dec. 28-30, 1984.
- Looney, R E
  Optimal growth paths for the Jamaican economy, 1983-90
  No. Am. Economics and Finance Assoc. Conf., Dallas,
  Tex., Dec. 28-30, 1984.

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

- Looney, R E
  Rules vs. authorities in the conduct of Saudi Arabian
  monetary policy
  Middle East Econ. Assoc. Conf., Dallas, Tex., Dec.
  28-30, 1984.
- Looney, R E
  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; 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.

፟ጜኇዀቔዹቔዹቔዹቔዹቔዀቔዀ፟ጜጜጜኯቝቔዹፚኯቜዄጜኯቜዹቔዹቔፙቝቔዹጜጜጜጜጜጜጜጜዄዄቜዿቜዹዄዾዀፘኯዄዹጜ

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

- Looney, R E; Frederiksen, P C
  The impact of public enterprises on economic growth in Latin America: The case of defense industries
  3rd Int. Mtg., North Am. Economics and Finance
  Assoc., Mexico City, Mexico, July, 1985.
- 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
  Afghanistan: The regional perspective
  Heritage Foundation Conf. on Afghanistan, Washington,
  DC, Jan. 17, 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.
- Olsen, E A
  US-Japan defense cooperation
  U.S. Strategy in East Asia, Naval War College, Mar.,
  1985.

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

- Olsen, E A US-USSR Balance in N.E. Asia Korean Assoc. of I.R., Seoul, Korea, Aug., 1986.
- Tritten J J
  The relationship of non-nuclear and nuclear warfare
  Int. Studies Asso., Anaheim, CA, Mar., 1986.
- 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
  Suggestions for useful scenarios
  Scenario Planning Conf. Rand Corp., Washington, DC,
  July, 1986.
- 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
- Valenta, J
  Soviet aims, policies and alternatives
  Int. Conf. on Afghanistans's Alternatives, Monterey
  Inst. of Int. Studies, Monterey, Calif., Nov. 15-18,
  1983.
- Valenta, J
  Soviet decision making for national security
  Int. Summer Course on Nat. Security, Inst. of
  Political Sci., Christian Albrehets Univ., Kiel, F.
  R. G., July 3, 1983.
- Valenta, J
  Soviet strategy in the Caribbean Basin: Avoidance of conflicts between the superpowers
  ISA Congr., Mexico City, Mexico, Apr. 5-10, 1983.
- Valenta, J
  Warsaw Treaty Organization: Strategies and policies
  Int. Summer Course on Nat. Security, Inst. of
  Political Sci., Christian Albrechts Univ., Kiel, F.
  R. G., July 1, 1983.

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

- Valenta, J; Valenta, V Soviet strategy and policies in the Caribbean Basin AEI Public Policy Week, Washington, D.C., Dec. 7-8, 1983.
- Winterford, D
  Security, sovereignty and economics: Armaments
  limitation in Asia
  Am. Polictical Sci. Asso. Annual Mtg., Washington,
  DC, Aug., 1986.
- Yost, D S
  Arms control and European security: An overview of problems and prospects in START, INF, MBER, and CSCE/CDE Conf. on Quantitative Approaches to Arms Control, Hochschule der Bundeswehr, Munich, F. R. G., Apr. 15, 1983.
- Yost, D S
  France's potential contributions in conventional contingencies in Central Europe
  European American Workshop on Evolving Soviet
  Nonnuclear Options and the Scope for NATO Responses, Washington, D.C., Oct. 29-30, 1983.

recesses and successive accordance and control and con

# DEPARTMENT OF NATIONAL SECURITY AFFAIRS CONTRIBUTIONS TO BOOKS

- Amos, J W; Magnus, R H; Darius, R G
  Responding to crisis in Southwest Asia: the RDJTF and
  its alternatives
  IN R. H. Magnus and J. W. Amos: Regional
  reaction to the RDJTF, Syracuse Univ. Press, N.
  Y., 1983.
- Amos, J W; Magnus, R H; Darius, R G
  The Iraq-Iran war: Conflict, linkage and spillover
  IN Amos, J. W., Darius, R. G., and Magnus, R. H.,
  eds.: Gulf security into the 1980's:
  Perceptual and strategic dimensions, Hoover
  Inst. Press, 1983.
- 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
- Looney, R E
  Economic policy making in Mexico
  Durham, N. C., Duke Univ. Press, 1983.
- Looney, R E
  The impact of petroleum exports on the Saudi Arabian economy
  IN R. W. Stookey, ed.: The Arabian peninsula:
  Contemporary politics, 1983.
- Looney, R E
  The political economy of Latin American defense expenditures
  Lexington Books, 1986. 325 p.
- Looney, R E
  The Jamaican Economy in the 1980s
  Westview Press, 1986. 225 p.
- Looney, R E; Frederiksen, P C
  An optimal Mexican stabilization program for the 1980's
  IN E. Ortiz, ed.: Current economic and financial
  issues of the North American and Caribbean
  countries, Mexico City, Mexico, No. Am. Econ.
  and Finance Assoc., 1983, p. 205-210.

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

Magnus, R H
Afghanistan and gulf security
IN Amos, J. W., Darius, R. G., and Magnus, R. H.,
eds.: Gulf security into the 1980's:
Perceptual and strategic dimensions, Hoover
Inst. Press, 1983.

Magnus, R H
Conclusion: Gulf security into the 1980's
IN Amos, J. W., Darius, R. G., and Magnus, R. H.,
eds.: Gulf security into the 1980's:
Perceptual and strategic dimensions, Hoover
Inst. Press, 1983.

Magnus, R H
Problems and prospects for United States policy toward
Iran and Saudi Arabia in the 1980s
IN K. A. Barlow and R. G. Darius, eds.: Iran and
Saudi Arabia: Problems and prospects for
United States policy in the mid-range, U.S.
Gov't. Printing Office, 1983, p. 89-102.

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
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, Odhaya, khayarat, siyasat. Cairo, Egypt, Maktabat al-wa'i, 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.

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

- Magnus, R H; ed.

  Afghan alternatives: Issues, options and policies

  New Brunswick, N. J., Transaction Books, 1985. 221
  p.
- Olsen, E A
  Democracy in Far East
  IN R. Wesson, ed: Democracy: Global assessment,
  Hoover/Praeger, 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.
- 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; Jurika, S Armed Forces in contemporary Asia Westview, Boulder, CO, 1986.

- Tritten, J J
  Soviet naval forces and nuclear warfare: Weapons, employment, and policy
  Boulder, CO, Westview, 1986. 282 p.
- Valenta, J
  Soviet decision-making and crisis in Hungary, 1956
  IN B. Kiraly, ed.: Repercussions of the
  Hungarian revolution, Boulder, Colo. Westview
  Press, 1983.

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

- Valenta, J Soviet strategy and policies in the Caribbean Basin IN A. Adelman, ed.: Crisis in the Caribbean basin, Pittsburgh Univ. Press, 1984.
- Valenta, J Soviet strategy and policies in the Caribbean Basin IN H. Wiarda, ed.: Rift and revolution: The Central American embroglio, Am. Enterprise Inst., 1984, p. 197-252.
- Yost, D S
  British and French strategic nuclear targeting
  IN D. Ball and J. Richelson, eds.: Strategic
  nuclear targeting, Cornell Univ. Press, 1983.
- Yost, D S
  Die zukunft atomarer rustungskontrolle in Europa: von
  SALT zu START und INF
  Koblenz, F. R. G., Bernard und Graefe Verlag, 1984.
  220 p.
- Yost, D S
  France and conventional defense in Central Europe
  European-American Inst. for Security Research, 1984.
  132 p.
- Yost, D S
  Arms control and European security: An overview of START, INF, MBFR, and CSCE/CDE
  IN R. Huber and R. Avenhaus, eds.: Quantitative assessment in arms control, Plenum Publ. Co., New York, N. Y., 1984, p. 13-47.
- Yost, D S
  Rustungskontrolle im KSZE-prozess: Zum stand der verhandlungen uber ein mandat fur eine Konferenz uber Abrustung in Europa auf dem Madrider Flogetreffen IN H. Volle and W. Wagner, eds.: Das madrider KSZE-folgetreffen: Der fortgang des KSZE-prozesses in Europa, Verlag fur Internationale Politik, Bonn, F. R. G., 1984, p. 37-44.
- Yost, D S
  France and conventional defense in central Europe
  Boulder, CO, Westview, 1985. 132 p.

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

- Yost, D S
  La France et la securite europeenne
  Presses Universitaires de France, 1985. 346 p.
- Yost, D S
  French nuclear targeting
  IN D. Ball and J. Richelson, eds.: Strategic
  nuclear targeting, Cornell Univ. Press, 1985.
- 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, 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, C.E. Farmer, eds.:
  Strategic defense and the western alliance,
  Center for Strategic and Int. Studies,
  Georgetown, 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.

AND THE PROPERTY OF THE PROPER

# DEPARTMENT OF NATIONAL SECURITY AFFAIRS PUBLISHED PAPERS

- Amos, J W Libya in Chad: Soviet surrogate or nomadic imperialist Conflict, vol. 5, no. 1, p. 69-83, (1983).
- 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).
- 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).
- 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).

# 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
  Mexican economic performance during the Echeverria
  administration
  Bull. Latin Am. Res., vol. 2, no. 2, (May, 1983).
- Looney, R E
  Mexican policy dilemmas during the de la Madrid
  presidency
  Inter-American Econ. Affairs. vol. 37, no. 1,
  (Summer, 1983).
- Looney, R E
  Mexico economic future
  Futuries, vol. 1. no. 7, (1983).
- 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).
- Looney, R E
  A monetarist interpretation of inflation in pre-revolutionary Iran
  J. of Social, Political and Econ. Studies, vol. 10, no. 1, p. 87-102, (Spring, 1985).
- Looney, R E
  Impact of oil revenues on the pre-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)

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

- 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
  Austerity and military expenditures in developing countries: The case of Venezuela
  Socio-Economics Planning Sciences, vol. 20, no. 3, p. 161-164, (1986).
- Looney, R.E Factor's underlying Venezuelan defense expenditures Arms Control, vol. 7, no. 1, (May, 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
  Scandinanvian J. of Development Alternatives, no. 4,
  p. 81-94, (Dec., 1986).
- Looney, R E; Frederiksen, P
  Defense expenditures external public debt and growth in
  developing countries
  J. of Peace Res., vol. 23, no. 4, (1986).

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

- 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 C
  An optimal stabilization program for the 1980s
  No. Am. Econ. Assoc. Conf., New York, N. Y., Dec. 28,
  1982.
  IN Proc., No. Am. Econ. Assoc., (1983).
- Looney, R E; Frederiksen, P C
  Defense expenditures and economic growth in developing countries
  Armed Forces and Soc., vol. 9, no. 4, (Summer, 1983).
- Looney, R E; Frederiksen, P C
  Prospects for economic stability in Mexico during the de
  la Madrid presidency
  Texas Business Rev., vol. 34, no. 3, (May, 1983).
- Looney, R E; Frederiksen, P C
  The feasibility of alternative IMF-type stabilization programs in Mexico 1983-87
  J. Policy Modeling, vol. 5, no. 3, (Oct., 1983).
- Looney, R E; Frederiksen, P C
  The impact of public enterprises on economic growth in Latin America: The case of defense industries
  3rd Int. Mtg., North Am. Economics and Finance
  Assoc., Mexico City, Mexico, July, 1985.
  IN Proc., (1985).
- Magnus, R H
  Arafat on the road to Damascus
  San Jose Mercury News (Newspaper), (July 18, 1983).
- Magnus, R H
  Oil politics
  San Jose Mercury News (Newspaper), Perspective Section, (Mar. 20, 1983).
- Magnus, R H
  Tribal Marxism: The Soviet encounter with Afghanistan Conflict, vol. 4, p. 339-368, (June, 1983).
- Magnus, R H
  Non-governmental medical aid to the Mujahidin
  1985 The Year of Decision, A Conf. on AFghanistan,
  Marymount College, Arlington, Va., May 30-31, 1985.
  (Sponsored by the Federation for American Afghan
  Action.)
  IN Proc., (1985).

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

- Magnus, R H
  The communist coup and background to the Soviet invasion of Afghanistan
  Afghanistan Day 1985, Old Senate Office Bldg.,
  Washington, D.C., Mar. 21, 1985.
  IN Public diplomacy on Afghanistan, (Committee transcript), Congressional Task Force on Afghanistan, June 17, 1985, p. 40-76.
- Magnus, R H
  The Afghan stalemate: Commentary and reply
  Parameters, vol. 15, no. 2, p. 80-81, (Summer, 1985).
- Magnus, R H; Amos, J W
  Regional perceptions of the American Central Command (CEMTCOM)
  Conflict, vol. 5, no. 4, p. 337-353, (1985).
- Olsen, E A
  An American catalyst for Korean democracy
  Mon. Rev. of Korean Affairs, (Jan/Feb 1983).
- Olsen, E A
  Does anyone really want Korean reunification?
  Asian Wall Street J., (May 16, 1983).
- Olsen, E A
  Human rights and U. S. national security policy
  Ripon Forum, (July, 1983).
- Olsen, E.A Korea's image in U. S.: A mish M\*A\*S\*H Asian Wall Street J., (Feb. 21, 1983).
- Olsen, E A Nich-bei-kan sogo anpo o nozomu Chuo Koron, (Feb., 1983).
- Olsen, E A
  The American and Japanese stake in Korean unification
  J. East Asian Affairs, (Spring/Summer 1983).
- Olsen, E A
  Why not let South Korea help?
  Christian Sci. Monitor, (June 2, 1983).
- Olsen, E A
  Chiipu Raida e no fuman
  Chuo Koron (Japan), (Dec., 1985).

PARANASONIS SIRRIYA BAZAZA ZAZAZA ZAKARAKA KAKARAKA

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

- 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; Morse, R.A Japan's bureaucratic edge Foreign Policy, (Fall, 1983).
- 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)
- Tritten, J J
  Soviet amphibious, mine and coastal patrol forces
  1985 Center for Naval Analyses Sea Power Forum,
  Washington, DC, Nov., 1985.
  IN Soviet and other communist navies: The view
  from the mid-1980's, U.S. Naval Inst., p.
  153-170, (1986).
- Tritten, J J
  Ideology: The bears's carrot
  U.S. Naval Inst. Proc., vol. 112, no. 7, p. 38-44,
  (Jul, 1986)
- Tritten, J J
  The Soviet's Bastion strategy
  Submarine Rev., p. 82-83, (Oct., 1985).
- Valenta, J
  Soviet decision making for national security
  Int. Summer Course on Nat. Security, Inst. of
  Political Sci., Christian Albrechts Univ., Kiel, F.
  R. G., July 3, 1983.
  IN Proc., (1983).

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

- Valenta, J
  Soviet strategy and policies in the Caribbean Basin
  Stability/Instability in the Caribbean Basin, Center
  for Latin Am. Studies, Pittsburgh University, Oct.
  18, 1982.
  IN Proc., Univ. of Pittsburgh, 30 p., (1983).
- Valenta, J
  Warsaw Treaty Organization: Strategies and policies
  Int. Summer Course on Nat. Security, Inst. of
  Political Sci., Christian Albrechts Univ., Kiel, F.
  R. G., July 1, 1983.
  IN Proc., (1983).
- Valenta, J
  Abnormalization of the Eastern Bloc
  New York Times (Newspaper), editorial page, (Aug. 19, 1983).
- Valenta, J
  Eastern detente?
  New York Times (Newspaper), editorial page, (May 16, 1983).
- Valenta, J Grenada: A friend the Russians couldn't protect Boston Globe (Newspaper), editorial page, (Nov. 14, 1983).
- Valenta, J Soviet strategy and tactics in the Caribbean Basin Survey, vol. 26, no. 4, p. 287-303, (Autumn, 1983).
- Valenta, J
  The explosive Soviet periphery
  Foreign Policy, no. 51, p. 84-110, (Summer, 1983).
- Valenta, J
  To halt the Afghan war
  New York Times (Newspaper), editorial page, (Dec. 29, 1983).
- Valenta, J
  Toward U.S.-Soviet prevention of crisis at the Soviet periphery
  Peaceful Coexistence (Glasgow, U.K.), vol. 21, p. 1-13, (Oct., 1983).

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

- Valenta, J
  Revolutionary change, Soviet intervention and normalization in East-Central Europe
  Comparative Politics, vol. 16, no. 2, p. 127-150, (Jan., 1984).
- Yost, D S
  Frankreichs politique in Tschad und die herausforderung durch Libyen
  Beitrage zur Konfliktforschung, vol. 13, no. 3, p. 53-86, (Fall, 1983).
- Yost, D S
  French policy in Chad and the Libyan challenge
  Orbis (J. of World Affairs), vol. 27, p. 965-997,
  (Winter, 1983).
- Yost, D S START, INF and european security World Today, vol. 39, no. 11, p. 417-428, (Nov., 1983).
- Yost, D S START, INF et la securite europeenne Politique Etrangere, vol. 49, no. 4, (Dec., 1983).
- Yost, D S
  France's potential contributions in conventional contingencies in Central Europe
  European American Workshop on Evolving Soviet
  Nonnuclear Options and the Scope for NATO Responses,
  Washington, D.C., Oct. 29-30, 1983.
  IN European-Am. Inst. for Security Res. France and conventional defense in Central Europe, 132 p., (1984).
- Yost, D S
  Die sorgen der Europaer gegenuber den Amerikanischen planen fur eine raketenabwehr
  Europa-Archiv, Zeitschrift fur Internationale Politik, vol. 39, no. 14, p. 427-436, (July 25, 1984).
- Yost, D S
  European anxieties about ballistic missile defense
  Washington Q., vol. 7, no. 4, p. 112-129, (Fall, 1984).

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

- Yost, D S
  European-American relations and NATO's initial missile deployments
  Current History, vol. 83, no. 492, p. 145-148, 184-186, (Apr., 1984).
- Yost, D S
  Les inquietudes europeennes face aux systemes de defense anti-missiles
  Politique etrangere, vol. 49, no. 2, p. 381-399, (Summer, 1984).
- Yost, D S Soviet ballistic missile defense and NATO NATO Rev., vol. 33, no. 5, p. 10-18, (Oct., 1985).

gessi " Lesector" describe despribe despribe despribe despribe describe despribe des despribe despribe despribe despribe despribe despribe despribe

Yost, D S
Radical change in French defense policy? A review essay Survival, vol. 28, p. 53-58, (Jan./Feb., 1986).

# DEPARTMENT OF NATIONAL SECURITY AFFAIRS TECHNICAL REPORTS AND NOTES

- 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.
- Looney, R E
  A flow of funds analysis of the Jamaican economy
  Inter-American Develop. Bank, Dept. of Statistics,
  Kingston, Jamaica, (Tech. rep.) 1983. 57 p.
- Magnus, R H
  The Arab Gulf Cooperation Council: Threat analysis and strategic implications
  Int. Defense Intermetrics, (Res. report), 1983.
- Yost, D S
  Policy implications of West European reactions to the March 1983 U. S. proposals for ballistic missile defense Sponsored by Pan Heuristics, Marina del Rey, Calif. Technical report, (MDA-903-83-C-0210), 1984. 72 p.

# DEPARTMENT OF OCEANOGRAPHY

# 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.
- Aranavachapun, S; Thornton, E B Spatial and temporal variation of shallow water waves AGU Mtg., San Francisco, Calif., Dec. 8-10, 1984.
- Arnone, R A; Tucker, S P; Hilder, F A
  Secchi depth atlas of the world's coastlines
  SPIE Ocean Optics VII, Naval Postgraduate School,
  Monterey, Calif., June 25-28, 1984.
- Batteen, M
  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; Haney, R L; Mooers, C N K Coastal and bathymetric influences on eddy generation in the California Current System IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug. 5-17, 1985.
- Blanchard, J L; Dunlap, C R
  Environmental acoustic studies of acoustic signal
  transmission in the wavenumber domain
  DARPA Workshop on Fixed Distribution Systems, Austin,
  Tex., Sept., 1983.
- Bourke, R H
  Determination of sea-ice freeboard
  Sea-Ice Thickness Workshop, Albuquerque, NM, Dec 2-5,
  1985.
- 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; 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.

#### DEPARTMENT OF OCEANOGRAPHY

- Bourke, R H; Paquette, R G; Newton, J L; Tunnicliffe, M D Oceanographic observations on the ice-covered Greenland shelf
  AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
- Bourke, R H; Tunnicliffe, M D; Paquette, R G; Newton, J I Oceanographic observations on the Northeast Greenland Shelf
  Ocean Sciences Mtg. of Am. Geophysical Union, New Orleans, LA, Jan. 13-14, 1986.
- Breaker, L C; Lewis, P A W; Mooers, C N K
  Detection of an approximate 46-day cycle in SST off
  Central California Coast
  AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Breaker, L C; McLain, D; Brainard, R On the representativeness of coastal SSTs off Central California Coast AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- 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.
- Davidson, K L; Garwood, R W
  Coupled oceanic and atmospheric mixed layer model
  18th General Assembly of the Int. Union of Geodesy
  and Geophysics, Symp.on Sea-Ice Modeling, Hamburg, F.
  R. G., Aug. 17-19, 1983.
- Dunlap, C R
  NPS-EARG Drifting Buoy Studies
  ONR Drifting WOTAN Workshop, Nat. Center for Atmos.
  Res., Boulder, Colo., Mar. 13-14, 1985.
- Dunlap, C R
  Bering Sea issues, status of analyses, plans
  Operational Performance Improvement Program (OPIP)
  Workshop, McLean, Va., Nov. 29-30, 1983.
- Dunlap, C R
  Naval Postgraduate School environmental acoustic studies
  CNO Conf. on Fleet Oceanography Training Requirements
  for ASW, CINCLANTFLT Headquarters, Norfolk, VA, Feb.
  20-21, 1986.

#### DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- 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.
- Dunlap, C R; Andersen, K Presentation of acoustic measurements of ambient sea noise during ocean storm IAMAP/IAPSO Assembly, Honolulu, Hawaii, Aug. 5-16, 1985.
- Dunlap, C R; Browning, D G; Powell, J W
  Shallow sound characteristics in the North Pacific:
  Causes, characteristics and durations
  108th Mtg., Acoustical Soc. of Am., Minneapolis,
  Minn., Oct. 8-12, 1984.
- Dunlap, C R; Jung, G H; Leipper, D F
   Depiction of year to year changes in Bering Sea surface
   temperatures
   AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
- Dunlap, C R; Lipscombe, C D Environmental effects on ASW modelling and wargaming Use of Simulation, Models and Wargames for Training, Naval Training Equipment Center, Orlando, Fla., Apr. 16-18, 1985.
- 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.

#### DEPARTMENT OF OCEANOGRAPHY

- Gallacher, P C; Garwood, R W
  The interaction of planetary rotation and turbulent vorticity in the upper ocean mixed layer at mid-latitudes
  5th Conf. on Ocean-Atmosphere Interaction of the Am. Meteorological Soc., Miami, Fla., Jan., 1984.
- 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.
- Guza, R T; Thornton, E B Swash observations on natural beaches AGU Mtg., San Francisco, Calif., Dec., 1984.
- Haderlie, E C
  Possible mechanisms used by marine bivalves in
  penetrating siliceous stone
  6th Int. Cong. on Marine Corrosion and Fouling,
  Athens, Greece, Sept., 1984.
- Hochevar, A R; Bourke, R H; Hendricks, R
  Topographic signal stripping in the Norwegian Sea
  35th Naval Symp. on Underwater Acoustics, Washington,
  D.C., Oct. 31 Nov. 3, 1983.
- Jung, G H; Cox, S A
   Satellite indicators of subsurface thermal features
   important to acoustics transmission in the ocean
   AGU Spring Mtg., Baltimore, Md., May 30 June 3,
   1983.

#### DEPARTMENT OF OCEANOGRAPHY

- 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.
- McManus, J J; Garwood, R W; Dunlap, C R Coupled mixed layer-acoustic model Ocean Sciences Mtg., New Orleans, LA, Jan., 1986.
- Mooers, C N K; Breaker, L C
  Several aspects of interannual variability in the
  California current
  9th Climate Diagnostics Workshop, Corvallis, Oregon,
  Oct. 23, 1984.
- Mooers, C N K; Rienecker, M M
  Data assimilation studies of the synoptic/mesoscale eddy
  field in the California current system
  IAPSO/IAMAP Symp., Honolulu, Hawaii, Aug. 5-16, 1985.
- 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.
- Mueller, J L
  Optical, physical biological and chemical structures of the mid-latitude NE Pacific Ocean during ODEX (Oct Nov 1982)

  18th General Assembly of the Int. Union of Geodesy and Geophysics, Symp. on Sea-Ice Modeling, Hamburg, F. R. G., Aug. 17-19, 1983.
- Mueller, J L
  Effects of water reflectance at 670 nm on Coastal Zone
  Color Scanner (CZCS) aerosol radiance estimates off the
  coast of Central California
  SPIE Ocean Optics VII, Naval Postgraduate School,
  Monterey, Calif., June 25-27, 1984.
- Mueller, J L
  Optical variability in the eastern North Pacific Ocean
  as measured by the Nimbus-7 Coastal Zone Color Scanner
  Pacific Cong. on Marine Technol., Honolulu, Hawaii,
  Apr. 24-27, 1984.

#### DEPARTMENT OF OCEANOGRAPHY

- Muller, P; Garwood, R W
  The effect of interior motions on sea surface temperature, mixed layer depth, and structure of the seasonal thermocline

  18th General Assembly of the Int. Union of Geodesy and Geophysics, Symp. on Sea-Ice Modeling, Hamburg, F. R. G., Aug. 17-19, 1983.
- Newton, J L; Bourke, R H; Paquette, R G
  Mesoscale structure of the East Greenland polar front
  18th General Assemply of the Int. Union of Geodesy
  and Geophysics, Symp. on Sea-Ice Modeling, Hamburg,
  F. R. G., Aug. 18-19, 1983.
- Oltman-Shay, J; Guza, R T; Thornton, E B Surf beat and edgewave modes resolved on a natural beach AGU Mtg., San Francisco, Calif., Dec., 1985.
- Osborn, T R
  Turbulence in the upper layer
  NATO Advance Res. Inst., Paris, France, July, 1983.
- Osborn, T R; Lueck, R G; Sullivan, T C
  Diapycnal mixing in the central gyre
  Hawaiian Winter Workshop, University of Hawaii Manoa, Jan., 1985.
- Paquette, R G; Bourke, R H; Newton, J L
  Finestructure and double-diffusion in the East Greenland
  polar front
  Ocean Sciences Mtg. of the Am. Geophysical Union, New
  Orleans, La., Jan. 23-27, 1984.
- 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.
- Rienecker, M M; Mooers, C N K Comparative spectrum analyses of surface wind stress field based on NDBC buoy winds and FNOC wind analyses 1983 Symp. on Buoy Technology, New Orleans, La., Apr. 27-29, 1983.
- Rienecker, M M; Mooers, C N K; Feliks, Y
  Dynamical forecast/hindcasts for OPTOMA11
  AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.

#### DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Rienecker, M M; Mooers, C N K; Hagan, D E; Robinson, A R Investigation, using IR imagery and in situ data, of smaller mesoscale features off Northern California AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983.
- 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.
- Smith, D C
  The behavior of isolated eddies in a regional mesoscale numerical model
  Spring Mtg., Am. Geophysical Union, Baltimore, MD, Apr., 1986.
- 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.

AND REPORTED TO A CONTROL OF THE PROPERTY OF T

- 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.
- Swaykos, J W; Davidson, K L; Boyle, P A; Garwood, R W Mixed layer results from MILDEX AGU Fall Ann. Mtg., San Francisco, Calif., Dec., 1984.
- Thornton, E B
  Longshore sand transport distribution across surf zone
  due to random waves
  Soc. of Econ. Paleontologists and Mineralogists, San
  Jose, Calif., Aug., 1984.
- Thornton, E B; Guza, R T
  Longshore current generated by random waves
  AGU Mtg., San Francisco, Calif., Dec., 1984.
- 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.

#### DEPARTMENT OF OCEANOGRAPHY

- Thornton, E B; Wu, C -S; Guza, R T
  Breaking wave design criteria
  19th Int. Conf. of Coastal Eng., Houston, Tex., Sept.
  3-7, 1984.
- Traganza, E D; Redalje, D G; Began, M; Garwood, R W Dynamics and chemistry of chlorophyll blooms at upwelling fronts AGU Fall Ann. Mtg., San Francisco, Calif., Dec. 1984.
- Tucker, S P
  Bioluminescence in ASW: Stimulation of organisms by pressure change
  Ocean Optics VII Classified Sessions, Naval
  Postgraduate School, Monterey, Calif., June 29, 1984.

#### DEPARTMENT OF OCEANOGRAPHY CONTRIBUTIONS TO BOOKS

Gallacher, P C; Elsberry, R L; Garwood, R W; Bird, A A A mixed layer model simulation of the three-dimensional upper ocean temperature field in the Central North Pacific

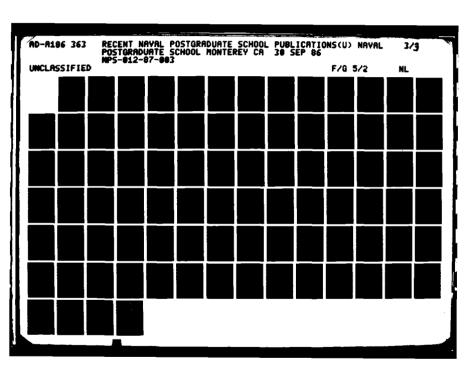
IN I. D. Rutherford, ed.: Research activities in atmospheric and oceanic modeling, Geneva, Switzerland, WMO, 1983, p. 8.12-8.14.

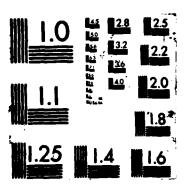
Haderlie, E C
Monitoring growth rates in wood- and rock-boring marine bivalves using radiographic techniques
IN T. A. Oxley and S. Berry, eds.:
Biodeterioration V, John Wiley & Sons, 1983, p. 304-318.

Haderlie, E C
A brief overview of the effects of fouling
IN Costlow and Tipper, eds.: Marine
biodeterioration, an interdisciplinary study,
Naval Inst. Press, Mar., 1984, p. 163-166.

# DEPARTMENT OF OCEANOGRAPHY PUBLISHED PAPERS

- Adamec, D D; Garwood, R W
  The simulated response of an upper-ocean density front to local atmospheric forcing
  J. Geophys. Res., vol. 90, no. C1, p. 917-928, (Jan., 1985).
- Aranavachapun, S; Thornton, E B
  Spatial and temporal transformation of shallow water
  waves
  J. Geophys. Res., vol. 89, no. C4, p. 6453-6465,
  (July, 1984).
- Aranuvachapun, S
  On the variation of atmospheric optical depth for remote sensing radiance calculations
  Remote Sensing of Environment, vol. 13, (1983).
- Arnone, R A; Tucker, S P; Hilder, F A
  Secchi depth atlas of the world's coastlines
  SPIE Ocean Optics VII, Naval Postgraduate School,
  Monterey, Calif., June 25-28, 1984.
  IN Proc., Int. Soc. for Optical Eng., SPIE, vol
  489, p. 195-201, (1984).
- Bourke, R H; 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; Newton, J L; Paquette, R G; Weigel, A M Oceanographic observations of the Marginal Ice Zone in Fram Strait Ocean Sciences Mtg. of Am. Geophysical Union, New Orleans, LA, Jan, 13-14, 1986. IN EOS, Trans. Am. Geophys. Union 66(51), p. 1262, (1985).
- Bourke, R H; Paquette, R G; Newton, J L; Tunnicliffe, M D Oceanographic observations on the ice-covered Greenland shelf
  AGU Fall Mtg., San Francisco, Calif., Dec. 3-7 1 64
  IN EOS, vol. 65, no. 45, p. 936, (1984).
- Bourke, R H; Tunnicliffe, M D; Paquette, R G; Newton Oceanographic observation on the Northeast Green and Shelf
  Ocean Sciences Mtg. of Am. Geophysical Modern Orleans, LA, Jan. 13-14, 1956.
  IN EOS, Trans. Am. Grephys Union 600 (1985).





PROPERTY PROFESSION (CONTRACTOR OF SECURIOR (PROFESSION ASSOCIATED ASSOCIATED DESCRIPTION (CONTRACTOR DESCRIPTION ASSOCIATED DESCRIPTION

#### DEPARTMENT OF OCEANOGRAPHY

#### PUBLISHED PAPERS

- Breaker, L C; Lewis, P A W; Mooers, C N K
  Detection of an approximate 46-day cycle in SST off
  Central California Coast
  AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
  IN EOS, (1984).
- Breaker, L C; McLain, D; Brainard, R On the representativeness of coastal SSTs off Central California Coast AGU Fall Mtg., San Francisco, Calif., Dec., 1984. IN EOS, (1984).
- 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).
- Davidson, K L
  Coupled oceanic and atmospheric mixed layer model
  18th General Assembly of the Int. Union of Geodesy
  and Geophysics, Symp. on Sea-Ice Modeling, Hamburg,
  F. R. G., Aug. 17-19, 1983.
  IN Proc. IUGG Inter-Disiplinary Symposia, vol. 2,
  (1983).
- Davidson, K L; Garwood, R W
  Coupled oceanic and atmospheric mixed layer model
  Dynamics of Atmospheres and Oceans, vol. 8, p.
  783-796, (Nov., 1984).
- Dunlap, C R
  Bering Sea issues, status of analyses, plans
  Operational Performance Improvement Program (OPIP)
  Workshop, McLean, Va., Nov. 29-30, 1983.
  IN Proc., Naval Electronics Systems Command, (PDE 124-60), p. 42-58, (Jan. 27, 1984).
- Dunlap, C R
  NPS-EARG Drifting Buoy Studies
  ONR Drifting WOTAN Workshop, Nat. Center for Atmos.
  Res., Boulder, Colo., Mar. 13-14, 1985.
  IN Drifting WOTAN Workshop Report, Nat. Center for Atmos. Res., p. 15-16, (1985).

#### DEPARTMENT OF OCEANOGRAPHY

#### PUBLISHED PAPERS

- Dunlap, C R; Andersen, K
  Presentation of acoustic measurements of ambient sea
  noise during ocean storm
  IAMAP/IAPSO Assembly, Honolulu, Hawaii, Aug. 5-16,
  1985.
  IN IAMAP/IAPSO Abstracts, p. 38, (1985).
- Dunlap, C R; Browning, D G; Powell, J W
  Shallow sound channels in the Pacific: Causes,
  characteristics and durations
  108th Mtg. of the Acoust. Soc. of Am., Minneapolis,
  Minn., Oct. 8-12, 1984.
  IN J. Acoust. Soc. Am., vol. 76, p. S84, (Fall,
  1984).
- Dunlap, C R; Jung, G H; Leipper, D F
  Depiction of year to year changes in Bering Sea surface
  temperatures
  AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
  IN EOS, vol. 65, no. 45, p. 966, (Nov. 6, 1984).
- Dunlap, C R; Leipper, D F A Bering Sea forecast from Oceanographic Monthly Summary (OMS) data Oceanogr. Mon. Summary, vol. 5, no. 3, p. 12-13, (Mar., 1985).
- 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.

#### DEPARTMENT OF OCEANOGRAPHY

#### PUBLISHED PAPERS

- Garwood, R W; Gallacher, P C; Muller, P.
  Wind direction and equilibrium mixed layer depth:
  General theory
   J. of Phys. Oceanogr., vol. 15, no. 10, p. 1325-1331,
   (Oct., 1985)
- Garwood, R W; Muller, P; Gallacher, P C
  Wind direction and equilibrium mixed layer depth in the
  Tropical Pacific
  IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,
  1985.
  IN Proc., IUGG, p. 122, (Aug., 1985).
- Garwood, R W; Muller, P; Gallacher, P C
  A model for the equilibrium mixed layer depth in the Tropical Pacific
  Tropical Ocean-Atmosphere Newsletter, no. 30, p. 10-11, (Mar., 1985).
- Garwood, R W; Muller, P; Gallacher, P C
  Wind direction and equilibrium mixed layer depth in the tropical Pacific
  J. of Phys. Oceanogr., vol. 15, no. 10, p. 1332-1338, (Oct., 1985).
- Guza, R T; Thornton, E B
  Observations of surf beat
  J. Geophys. Res., vol. 89, no. C2, p. 3161-3172,
  (Mar., 1985).
- Guza, R T; Thornton, E B
  Velocity moments in nearshore
  J. of Waterway, Port, Coastal and Ocean Eng., vol. 3, no. 2, p. 235-256, (Mar., 1985).
- Guza, R T; Thornton, E B; Holman, R
  Swash on steep and shallow beaches
  19th Int. Coastal Eng. Conf., Houston, Tex., Sept.,
  1984.
  IN Proc., ASCE, p. 708-723, (1985).
- Haderlie, E C
  Depth distribution and settlement times of the molluscan wood borers, Bankia setacea and Xylophaga washingtona, in Monterey Bay
  Veliger, Vol. 25, no. 4, p. 339-342, (Apr., 1983).

#### DEPARTMENT OF OCEANOGRAPHY

#### PUBLISHED PAPERS

- Haderlie, E C
  Long-term natural resistance of some Central American hardwoods to attacks by the shipworm Bankia setacea and the gribble Limnoria quadripunctata
  Veliger, vol. 25, no. 3, p. 182-185, (Jan., 1983).
- Haderlie, E C A report on the 6th International Congress on Marine Corrosion and Fouling, Athens, Sept., 1984. European Scientific Notes, (ONRL-ESN), 1984.
- Haderlie, E C
  Possible mechanisms used by marine bivalves in penetrating siliceous stone
  6th Int. Cong. on Marine Corrosion and Fouling, Athens, Greece, Sept., 1984.
  IN Proc., Nat. Tech. Univ. of Athens, (1985).
- 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).
- Jung, G H; Cox, S A
   Satellite indicators of subsurface thermal features
   important to acoustics transmission in the ocean
   AGU Spring Mtg., Baltimore, Md., May 30 June 3,
   1983.
   IN EOS, vol. 64, no. 18, p. 232, (May 3, 1983).
- Koike, I; Redalje, D G; Ammermann, J W; Holm-Hansen, O High-affinity uptake of an ammonium analogue by two marine microflagellates from the oligotrophic Pacific Marine Biology, vol. 74, p. 161-168, (1983).
- Lueck, R G; Osborn, T R
  Turbulence measurements in a submarine canyon
  Continental Shelf Res., vol. 4, p. 681-698, (1985).
- 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).

#### DEPARTMENT OF OCEANOGRAPHY

#### PUBLISHED PAPERS

- Mooers, C N K; Breaker, L C
  Several aspects of interannual variability in the
  California current
  9th Climate Diagnostics Workshop, Corvallis, Oregon,
  Oct. 23, 1984.
  IN Proc., (1984).
- Moum, J N; Lueck, R G
  Causes and implications of noise in oceanic dissipation
  measurements
  Deep-Sea Res., vol. 32, p. 379-390, (1985).
- Mueller, J L
  Optical, physical, biological and chemical structures of
  the mid-latitude NE Pacific Ocean during ODEX (Oct Nov
  1982)
  18th General Assembly of the Inst. Union of Geodesy
  and Geophysics, Symp. on Sea-Ice Modeling, Hamburg,
  F. R. G., Aug. 17-19, 1983.
  IN Proc., IUGG Inter-Displinary Symposia, (1983).
- Mueller, J L

  Effects of water reflectance at 670 nm on Coastal Zone
  Color Scanner (CZCS) aerosol radiance estimates off the
  coast of Cental California

  SPIE Ocean Optics VII, Naval Postgraduate School,
  Monterey, Calif., June 25-27, 1984
  IN Proc., SPIE, vol 489, p. 179-186, (1984).
- Mueller, J L
  Optical variability in the eastern North Pacific Ocean
  as measured by the Nimbus-7 Coastal Zone Color Scanner
  Pacific Cong. on Marine Technol., Honolulu, Hawaii,
  Apr. 24-27, 1984.
  IN Proc., 2 p., (Apr., 1984).
- Mueller, J L Nimbus-7 CZCS: Confirmation of its radiometric decay rate through 1982 Appl. Optics, vol. 24, p. 1043-1047, (1985).
- Muller, P; Garwood, R W
  The effect of interior motions on sea surface temperature, mixed layer depth, and structure of the seasonal thermocline
  18th General Assemply of the Int. Union of Geodesy and Geophysics, Symp. on Sea-Ice Modeling, Hamburg, F. R. G., Aug. 17-19, 1983.
  IN Proc., IUGG Inter-Disciplinary Symposia, vol. 1, (1983).

#### DEPARTMENT OF OCEANOGRAPHY

#### PUBLISHED PAPERS

- Muller, P; Garwood, R W; Garner, J P Effect of vertical advection on the dynamics of the oceanic surface mixed layer Annales Geophysicae, vol. 2, no. 4, p. 387-398, (Nov., 1984).
- Newton, J L; Bourke, R H; Paquette, R G
  Mesocale structure of the East Greenland polar front
  18th General Assembly of the Int. Union of Geodesy
  and Geophysics, Symp. on Sea-Ice Modeling, Hamburg,
  F. R. G., Aug. 18-19, 1983.
  IN Proc., IUGG Inter-Disciplinary Symposia,
  (1983).
- Osborn, T R; Lueck, R G
  Turbulence measurements from a submarine
  J. of Phys. Oceanogr., vol. 15, p. 1501-1520, (1985).
- Osborn, T R: Lueck, R G; Sullivan, T C
  Diapycnal mixing in the central gyre
  Hawaiian Winter Workshop, University of Hawaii Manoa, Jan., 1985.
  IN Proc., (1985).
- Paquette, R G; Bourke, R H; Newton, J L
  Finestructure and double-diffusion in the East Greenland
  polar front
  Ocean Sciences Mtg. of the Am. Geophysical Union, New
  Orleans, La., Jan. 23-27, 1984.
  IN EOS, vol. 64, no. 52, p. 1059, (Dec. 27, 1983).
- Paquette, R G; Bourke, R H; Newton, J L; Perdue, W F
  The East Greenland polar front in autumn
  J. Geophys. Res., vol. 90, no. C3, p. 4866-4882,
  (May, 1985).
- Redalje, D G
  Phytoplankton carbon biomass and specific growth rates determined with the labeled chlorophyll A technique Marine ecology-Progress series, vol. 11, p. 217-225, (Mar., 1983).
- Redalje, D G; Laws, E A
  The effects of environmental factors on the chemical and biochemical composition of marine diatoms: Part I:
  Light and temperature effects
  J. of Experimental Marine Biology and Ecology, vol. 68, p. 57-79, (1983).

### DEPARTMENT OF OCEANOGRAPHY

#### PUBLISHED PAPERS

(cont'd)

- Rienecker, M M; Mooers, C N K
  Comparative spectrum analyses of surface wind stress
  field based on NDBC buoy winds and FNOC wind analyses
  1983 Symp. on Buoy Technology, New Orleans, La., Apr.
  27-29, 1983.
  IN Proc., Marine Technol. Soc., p. 281-285,
  (1983).
- Rienecker, M M; Mooers, C N K; Hagan, D E; Robinson, A R Investigation, using IR imagery and in situ data, of smaller mesoscale features off Northern California AGU Fall Mtg., San Francisco, Calif., Dec. 5-9, 1983. IN EOS, (1983).
- Rienecker, M M; Mooers, C N K; Hagan, D E; Robinson, A R A cool anomaly off Northern California: An investigation using IR imagery and in situ data J. Geophys. Res. -- Oceans, vol. 90, p. 4807-4818, (1985).
- Robinson, A R; Carton, J A; Mooers, C N K; Walstad, L J; Carter, E F; Rienecker, M M; Smith, J A; Leslie, W G A real-time dynamical forecast of ocean synoptic mesoscale eddies
  Nature, vol. 309, no. 5971, p. 781-783, (June, 1984).
- Smith, D C
  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).
- Swaykos, J W; Davidson, K L; Boyle, P A; Garwood, R W Mixed layer results from MILDEX AGU Fall Ann. Mtg., San Francisco, Calif., Dec., 1984.

  IN EOS, vol. 65, p. 942, (1984).
- Thornton, E B: Guza, R T
  Surf zone longshore currents and random waves: Field
  data and models
  J. of Phys. Oceanogr., vol. 16, no. 7, p. 1165-1178,
  (July, 1986).

#### DEPARTMENT OF OCEANOGRAPHY

#### PUBLISHED PAPERS

- Thornton, E B; Guza, R T
  Transformation of wave height distribution
  J. Geophys. Res., vol. 88, no. Cl0, p. 5925-5938,
  (July, 1983).
- 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).
- 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; Began, M; Garwood, R W Dynamics and chemistry of chlorophyll blooms at upwelling fronts
  AGU Fall Ann. Mtg., San Francisco, Calif., Dec. 1984.
  IN EOS, vol. 65, p. 958, (1984).
- Wu, C -S; Liu, P L
  Finite element modeling of coastal currents
  J. of Waterway, Port, Coastal and Ocean Eng., vol.
  111, no. 2, p. 417-432, (Mar., 1985).
- Wu, C -S; Liu, P L-F

  Effects of nonlinear forces on nearshore currents

  Int. J. of Coastal Eng., vol. 8, p. 430-445, (Dec., 1983).
- Wu, C -S; Thornton, E B
  Wave number of linear water waves
  J. of Waterways, Port, Coastal and Ocean Eng., vol.
  112, no. 4, p. 536-540, (July, 1986).
- 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).
- 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).

# DEPARTMENT OF OCEANOGRAPHY PUBLISHED PAPERS

(cont'd)

Yamazaki, H; Herbich, J B
Determination of wave height spectrum by means of a
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).

# DEPARTMENT OF OCEANOGRAPHY TECHNICAL REPORTS AND NOTES

- Betts, G E; Bourke, R H; Schaefer, G E
  A comprehensive compilation of Northwestern Greenland
  Sea bathymetry
  Prepared for Arctic Submarine Lab. Naval
  Postgraduate School, (NPS-68-85-024), Sept., 1985.
- Bird, A A; Koob, R J; Wickham, J B; Mooers, C N K
  Hydrographic data from the slope waters off Central
  California: Final report from 26 November 1978 to 26
  June 1980
  Prepared for Minerals Management Service, Dept. of
  the Interior, Los Angeles, Calif. Naval Postgraduate
  School, (NPS-68-84-010), July, 1984. 88 p.
- Bird, A A; Wickham, J B; Bottero, J S; Pittock, G; Smith, R L; Mooers, C N K
  Current meter data from the slope waters off Central California: Final report from 25 July 1978 to 1 June 1980
  Prepared for Minerals Management Service, Dept. of the Interior, Los Angeles, Calif. Naval Postgraduate School, (NPS-68-84-012), Aug., 1984. 324 p.
- Bourke, R H
  Preliminary results of the oceanographic cruise of USCGC
  NORTHWIND to the Greenland Sea, August-September 1984
  Prepared for Arctic Submarine Lab. Naval
  Postgraduate School, (NPS-68-84-019), Dec., 1984.
- Bourke, R H
  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; 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.

#### DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

- 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.
- 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.
- Eagle, J N; Jung, G H; Wilson, O B
  A brief study of problems relevant to acoustics in shallow water ASW scenarios
  Prepared for Naval Research Lab., Washington, D.C. Naval Postgraduate School, (NPS-61-84-003), Jan., 1984. 20 p.

#### DEPARTMENT OF OCEANOGRAPHY

- Gallacher, P C; Bird, A A; Garwood, R W; Elsberry, R L A determination of the constants of a second-order closure turbulence model from geophysical data Prepared for Naval Ocean R & D Activity, NSTL Station, Miss. Naval Postgraduate School, (NPS-63-83-004), Sept., 1983. 35 p.
- Garrett, R P; Bourke, R H
  Temporal and spatial distributions of Arctic Sea ice
  thickness and pressure ridging statistics
  Prepared for Naval Surface Weapons Center, Silver
  Spring, Md. Naval Postgraduate School,
  (NPS-68-85-009), Mar., 1985.
- Howell, T A; Jung, G H; Dunlap, C R
  A statistical approach for determining subsurface
  thermal structure from sea surface temperature in the
  Northeast Pacific Ocean
  Prepared for Naval Ocean Systems Center, San Diego,
  Calif. Naval Postgraduate School, (NPS-68-83-003),
  June, 1983. 193 p.
- 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.
- Jung, G H
  Open-ocean fog forecasting: Use of Leipper and Clark
  fog indices at Ocean Station Victor (34N, 134E) during
  July-August 1968, 1970 and 1971
  Prepared for Naval Environmental Res. Facility,
  Monterey, Calif. Naval Postgraduate School,
  (NPS-63-83-003), June, 1983. 78 p.
- Lovelace, R M; Dunlap, C R; Bourke, R H
  Comparison of narrow-band and one-third octave ambient
  noise measurements
  Prepared for Space and Naval Warfare Systems Command
  (SPAWAR 6124), Washington, D.C. Naval Postgraduate
  School, (NPS-68-85-019), June, 1985.
- Murray, C W; Mueller, J L; Zqwally, H J
  Matrix partitioning and EOF/principal component analysis
  of antarctic sea ice brightness temperatures
  N. A. S. A., Goddard Space Flight Ctr., (NASA-TM-83916),
  Apr., 1984. 46 p.

#### DEPARTMENT OF OCEANOGRAPHY

- Paquette, R G; Bourke, R H; Newton, J L; Perdue, W F
  The East Greenland polar front in autumn
  Prepared for Arctic Submarine Lab. Naval
  Postgraduate School, (NPS-68-85-021), June, 1985.
- Rienecker, M M; Mooers, C N K; Colton, M C; Wittmann, P A
  Hydrographic data from the OPTOMA program, OPTOMA1, Mar.
  8-13, 1982
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-68-84-005), Apr.,
  1984. 31 p.
- Rienecker, M M; Mooers, C N K; Colton, M C; Wittmann, P A
  Hydrographic data from the OPTOMA program, OPTOMA2, Legs
  I and II, July 31 Aug. 14, 1982
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-68-84-002), Mar.,
  1984. 65 p.
- Rienecker, M M; Wittman, P A; Kelley, E A; Colton, M C; Mooers, C N K
  Hydrographic data from the OPTOMA Program, OPTOMA4, Legs
  I and II, 26 March 10 April, 1983
  Prepared for Office of Naval Res., (Code 420),
  Arlington, Va. Naval Postgraduate School,
  (NPS-68-85-001), Jan., 1985. 69 p.
- Schacher, G E; Stanton, T P
  Mean flow and turbulence in complex terrain
  NPS/Vandenberg measurement system
  Prepared for USAF Space Div., (Code SD/CFA), Los
  Angeles, Calif., Naval Postgraduate School,
  (NPS-61-83-005), Mar., 1984. 118 p.
- Sleichter, W T; Bourke, R H; Paquette, R G Modeling acoustic propagation across the East Greenland polar front Prepared for Arctic Submarine Lab. Naval Postgraduate School, (NPS-68-84-018), Dec. 1984.
- 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.

#### DEPARTMENT OF OCEANOGRAPHY

- 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.
- 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, OPTOMA7, 17-20 November, 1983 Prepared for Office of Naval Res., (Code 420), Arlington, Va. Naval Postgraduate School, (NPS-68-85-005), Jan., 1985. 26 p.
- Wittman, P A; Rienecker, M M; Kelley, E A; Mooers, C N K Hydrographic data from the OPTOMA Program, OPTOMA6, 1-5 October, 1983 Prepared for Office of Naval Res., (Code 420), Arlington, Va. Naval Postgraduate School, (NPS-68-85-004), Jan., 1985. 31 p.
- Wittman, P A; Rienecker, M M; Kelley, E A; Mooers, C N K
  Hydrographic data from the OPTOMA Program, OPTOMA5, Legs
  D, AI, AII, and AIII, 12 June 20 July, 1983
  Prepared for Office of Naval Res., (Code 420),
  Arlington, Va. Naval Postgraduate School,
  (NPS-68-85-003), Jan., 1985. 99 p.
- Wittmann, P A: 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.

#### DEPARTMENT OF OCEANOGRAPHY

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

# DEPARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS

- Agrawal, A; Wood, R K; Lee, C -H
  Computing source-to-K-terminal reliability in directed
  acyclic networks
  Nat. Sci. Foundation Network Reliability Workshop,
  Stevens Institute, Hoboken, N. J., Aug. 24-26, 1983.
- Barr, D R
  A practical application of utility assessment
  Northern Operational Res. Conf., Sheffield, England,
  Oct., 1983.
- Barr, D R
  The T&E endgame: New directions
  Int. Test and Evaluation Asso., Monterey, CA, Sept. 18, 1986.
- Battilega, J A; Grange, J K; Taylor, J G
  Soviet innovations in combat analysis: Some implications for the Army of the future
  50th MORS Conf., Annapolis, Md., Mar. 9, 1983.
- Breaker, L C; Lewis, P A W; Mooers, C N K
  Detection of an approximate 46-day cycle in SST off
  Central California Coast
  AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Brown, G G
  Optimization in the military
  TIMS/ORSA Conf., Orlando, Fla., Nov. 7-8, 1983.
- Brown, G G
  Mathematical programming systems: Where do we go from here?
  TIMS/ORSA, Dallas, Tex., Nov. 27, 1984.
- Brown, G G; Bausch, D; Graves, G W; McBride, R M Solving large-scale covering and set partitioning problems TIMS/ORSA Conf., Orlando, Fla., Nov. 7-8, 1983.
- 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; Graves, G W; McBirde, R M Real-time tank dispatching using integer generalized network programming TIMS/ORSA Conf., Orlando, Fla., Nov. 7-8, 1983.

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# DEPARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS (cont'd)

- Brown, G G; Graves, G W; McBride, R M
  Real-time dispatch of petroleum tank trucks
  TIMS/ORSA Conf., Chicago, Ill., Apr. 25-26, 1983.
- Brown, G G; Graves, G W; Ronen, D Scheduling crude tankers TIMS/ORSA Conf., Chicago, Ill., Apr. 25-26, 1983.
- Brown, G G; Magoun, R; Toprak, A Integrated production and distribution planning in large-scale optimization NCPDM (Nat. Council on Phys. Distribution Manage.), New Orleans, La., Oct. 3, 1983.
- Brown, G G; McBride, R; Wood, K Extracting embedded generalized network problems from general LP problems TIMS/ORSA, San Francisco, Calif., May 14, 1984.
- 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; Rosenthal, R E Solving multicommodity network optimization problems TIMS/ORSA Conf., Orlando, Fla., Nov. 7-8, 1983.
- Brown, G G; Rosenthal, R E; Staniec, C Shipment planning with multi-commodity optimization TIMS/ORSA, Dallas, Tex., Nov. 28, 1984.
- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J; Strawser, P R; Tekampe, R C; Watson, R J Performance evaluation of a database system in multiple backend configurations 4th Int. Workshop on Database Machines, Newport, Great Bahama Island, Mar., 1985.
- 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.

# DEPARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS (cont'd)

- Gaver, D P; Jacobs, P A
  Data analysis and modeling of Arctic Sea ice subsurface roughness: A summary
  23rd Mine Develop. Conf., Naval Surface Weapons Ctr., White Oak, Md., May, 1983.
- Gaver, D P; Jacobs, P A
  Low-level stratus prediction using binary statistical
  regression: A summary of results using Moffet Field
  data
  8th Conf. on Probability and Statistics in
  Atmospheric Sciences, Hot Springs, Ark., Nov., 1983.
- Gaver, D P; Jacobs, P A
  Waiting time distributions in processor-shared computing systems
  TIMS/ORSA Joint Nat. Mtg., Orlando, Fla., Nov., 1983.
- Gaver, D P; Jacobs, P A
  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.
- 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.
- Ingher, L
  Applications of biological intelligence to command, control and communications
  Computer Simulation in Brain Science, Copenhagen, Denmark, Aug. 20-22, 1986.

# DEPARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS (cont'd)

- 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.
- Jayachandran, T; Larson, H J
  The CEMS IV statistical diagnostic algorithm
  JOAP Int. Symp., Pensacola, Fla., May 17-18, 1983.
- Larson, H J
  How much is enough?
  Naval Res. Advisory Comm. Panel on Evaluation of OT & E Requirements and Facilities, Naval Postgraduate School, Monterey, Calif., July 9, 1984.
- Larson, H J; Jayachandran, T CEMS IV statistical diagnostics algorithm Int. Oil Analysis Workshop. Pensacola, Fla., May, 1983.
- Larson, H J; Jayachandran, T CEMS IV Algorithm AF Command HQ OAP Conf., Bossier City, La., Mar., 1983.
- Lewis, P A W
  A residual analysis for time series with autoregressive structure
  Statistics Sem., The Technion, Haifa, Israel, May 5, 1983.
- Lewis, P A W
  Exponential time series: Extensions and a residual analysis
  Statistics Sem., Univ. of Tel-Aviv Israel, May 9, 1983.

# DEPARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS (cont'd)

- Lewis, P A W
  Exponential time series: Extensions and a residual analysis
  Inter-College Statistics Colloquium, Univ. of London England, Apr. 29, 1983.
- Lewis, P A W
  Simple time series models for positive-valued random variables
  Undersea Surveillance Symp., Monterey, Calif., July 20, 1983.
- Lewis, P A W
  Some models for positive valued time series
  Stochastic Processes Sem., The Technion, Haifa,
  Israel, May 3, 1983.
- Lewis, P A W
  Some simple approximations to point processes
  ORSA Mtg., Chicago, Ill., Apr. 25, 1983.
- Lewis, P A W
  SIMTBED: A graphical testbed for the analysis of
  simulation experiments
  ASA/IMS Joint Ann. Mtg., (Poster Session), Toronto,
  Can., Aug. 16, 1983.
- Lewis, P A W
  SIMTBED: A graphical testbed for the analysis of simulation experiments
  Computer Sci./Statistics Interface Conf., Houston, Tex., Mar. 18, 1983.
- Lewis, P A W; Orav, E J
  Multivariate analysis of large sets of oceanographic data
  Statistics Sem., IBM Res. Ctr., Tel-Aviv, Israel, May 9, 1983.
- Lewis, P A W; Orav, E J
  Multivariate analysis of large sets of oceanographic data
  ONR Mtg. on Image Processing and Statistical
  Graphics, Arlington, Va., May 16, 1983.
- Lindsay, G F
  Effectiveness measurements for an intelligence system
  52nd MORS, Ft. Leavenworth, Kans., Sept., 1984.

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# DEPARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS (cont'd)

- 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
  A construct for models to support joint analysis
  The Role of Combat Simulations in National Defense,
  Lawrence Livermore Nat. Labs., Livermore, Calif., May
  12-13, 1983.
- Parry, S H
  Network methodology for the AirLand Research Model
  54th Military Operations Res. Symp., Ft. McNair,
  Washington, DC. June 24, 1986.
- Poock, G K
  Human factors to consider when people speak to computers
  13th Ann. Virginia Computer Users Conf., Blacksburg,
  Va., Apr. 15-16, 1983.
- Poock, G K
  Voice recognition/input in Command and Control Centers
  NAVELEX Command and Control Conf. Review, Washington,
  D.C., Aug. 12, 1983.
- Poock, G K
  Voice recognition: State of the art
  Computer Education Forum, Monterey Peninsula Unified
  School District, Monterey, Calif., Mar. 29, 1983.
- Poock, G K
  Whoa! You want me to talk to a computer?
  Western Psychological Assoc., San Francisco, Calif.,
  Apr. 28, 1983.
- Poock, G K
  Experimental evidence about what factors influence recognizer performance
  Toward robustness in speech recognition, Santa Barbara, Calif., Nov., 1984.

#### DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Poock, G K
  A statistical analyses of retinal blood vessel pattern
  parameters
  Biometrics Conf., Sandia Labs, Albuquerque, NM, 1986.
- 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.
- Poock, G K; Woodard, J; Crane, C Full day workshop on speech recognition Am. Voice Input/Output Soc. Ann. Conf., Washington, D.C., Sept., 1984.
- Richards, F R
  A survey of multi-echelon inventory models
  Multi-echelon Inventory Systems, Naval Postgraduate
  School, Monterey, Calif., Mar. 12-13, 1984.
- 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.
- Satyanarayana, A; Wood, R K
   Computing the reliability of normal form graphs in
   polynomial time
   TIMS/ORSA Joint Nat. Mtg., Chicago, Ill., Apr. 25-27,
   1983.
- Taylor, J G
  Some Soviet combat-modelling developments
  51st MORS Conf., AFIT, Wright-Patterson AFB, Ohio,
  Sept. 28, 1983.
- Taylor, J G
  Annihilation prediction for Lanchester-type models of modern warfare with logistic constraints
  TIMS/ORSA Joint Nat. Mtg., Chicago, Ill., Apr. 26, 1983.

# DEPARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS (cont'd)

- Taylor, J G
  Soviet approaches to C3 analysis
  FTD/NPS C3I Symp., Monterey, Calif., June 9, 1983.
- Taylor, J G
  Soviet methodological advances in combat modelling
  TIMS/ORSA Joint Nat. Mtg., Chicago, Ill., Apr. 26,
  1983.
- 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-Like Equations, NASA-CALTECH
  Jet Propulsion Laboratories, Pasadena, CA, Aug.
  15-17, 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.
- Washburn, A R
  Benefits of bell-shaped actuation curves
  23rd Mine Develop. Conf., Naval Surface Weapons Ctr.,
  June, 1983.
- 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, R K
  Reducing the complexity of computing network reliability using polygon-to-chain reductions
  TIMS/ORSA Joint Nat. Mtg., Chicago, Ill., Apr. 25-27, 1983.

## DEPARTMENT OF OPERATIONS RESEARCH CONTRIBUTIONS TO BOOKS

- Bradley, G H; Brown, G G; Graves, G W
  Structural redundancy in large-scale optimization models
  IN M. Karwal et al., eds: Redundancy in
  mathematical programming, New York, N. Y.,
  Springer-Verlag, 1983, p. 145-169.
- Gaver, D P; Jacobs, P A
  Data analysis and modeling of Arctic Sea ice subsurface roughness: A summary in statistical signal processing IN E. J. Wegman and J. G. Smith, eds.:
  Statistical signal processing; New York, N. Y., M. Dekker, 1984, p. 199-210.
- 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.
- Taylor, J G
  Lanchester models of warfare: Vol. 2
  Military Applications Section, ORSA, 1983. 814 p.
- Taylor, J G
  Lanchester models of warfare: Vol. 1
  Military Applications Section, ORSA, 1983. 587 p.
- Taylor, J G
  An introduction to Lanchester-type models of warfare
  IN L. G. Callahan, ed.: Modeling and simulation
  of land combat, Georgia Tech. Res. Inst., 1983,
  p. 34-66.
- Taylor, J G
  Lanchester-type models that reflect continuous spatial distribution of forces
  IN L. G. Callahan, ed.: Modeling and simulation of land combat, Georgia Tech. Res. Inst., 1983, p. 302-312.
- Zehna, P W; Barr, D R Probability: Modeling uncertainty Reading, Mass., Addison-Wesley Publ. Co., 1983. 405 p.

## 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).
- Breaker, L C; Lewis, P A W; Mooers, C N K
  Detection of an approximate 46-day cycle in SST off
  Central California Coast
  AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
  IN EOS, (1984).
- Brown, G G; McBride, R Solving generalized networks Manage. Sci., vol. 30, p. 1497-1523, (1984).

CENTRES CONTRACTOR SOUTHERN

SECTION OF THE SECTIO

- Brown, G G; Shubert, B C On random binary trees Math of Operations Res., vol. 9, p. 43-65, (1984).
- Brown, G G; Wright, W Automatic identification of embedded network rows in large-scale optimization models Math. Programming, vol. 29, p. 41-56, (1984).
- Chopeng, P; Puakpong, P; Rosenthal, R E
  Optimal ship routing and personnel assignment for naval
  recruitment in Thailand
  Interfaces, vol. 16, no. 4, p. 47-52, (Jul.-Aug.,
  1986).
- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J; Strawser, P R; Tekampe, R C; Watson, R J
  Performance evaluation of a database system in multiple backend configurations
  4th Int. Workshop on Database Machines, Newport, Great Bahama Island, Mar., 1985.
  IN Proc., Micro-electronic and Computer Technology Corp., (1985).
- Eagle, J N; Pedersen, J; Marshak, W; Villedrouin, J P An overview of non-superpower submarine forces Nav. Scientific Tech. Intelligence Rev., (Feb., 1984).

#### DEPARTMENT OF OPERATIONS RESEARCH

#### PUBLISHED PAPERS

(cont'd)

- Eagle, J N; Pedersen, J; Villedrouin, J P
  The French Fleet Ballistic Missile Force
  Nav. Scientific Tech. Intelligence Rev., 6 p., (May, 1984).
- Gaver, D P; Jacobs, P A
  Low-level stratus prediction using binary statistical regression: A summary of results using Moffet Field data
  8th Conf. on Probability and Statistics in Atmospheric Sciences, Hot Spring, Ark., Nov., 1983.
  IN Preprint vol., AMS, p. 148-151, (1983).
- Gaver, D P; Jacobs, P A
  On influence and transient response for M/G/l 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; Kafadar, K
   A retrievable recipe for inverse t
   Am. Statistician, (Nov., 1984).

THE PROPERTY OF THE PROPERTY O

- Gaver, D P; Miller, R G

  Jacknifing the Kaplan Meier survival estimator for censored data simulation results and asymptotic analysis Communications in Statistics A: Theory and methods, vol. 12, p. 1701-1718, (1983).
- 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).
- Hartman, J K; Parry, S H; Schoenstadt, A L Airland research model IN Proc., 52nd MORS, (1984).

- 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.
  A generalized goal programming approach to minimal interference, multicriteria NXI scheduling Inst. of Ind. Eng. Trans., vol. 16, no. 4, p. 316-322, (1984).
- Ignizio, J. P.
  An algorithm for solving the linear goal programming problem by solving its dual
  J. of Operational Res. Soc., vol. 36, no. 6, p. 507-515, (1985).
- Ignizio, J. P.
  Integer goal programming via goal aggregation
  Large Scale Systems, vol. 8, p. 81-86, (1985).
- 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).
- 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
  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).

- Ingber, L
  Noise-reduced extrema in time-dependent Giwborg-Landau systems
  Mathematical Modeling, vol. 7, p. 525-528, (1986).
- Ingber, L
  Riemannian contributions to short-ranged
  velocity-dependent nucleon-nucleon interactions
  Phys. Rev., 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).
- Jacobs, P A
  First passage times for combinations of random loads
  SIAM J. Applied Mathematics , vol. 46, no. 4, p.
  643-656, (Aug., 1986).
- Jacobs, P A; Lewis, P A W
  Stationary discrete autoregressive-moving average time series generated by mixtures
  J. of Time Series Analysis, vol. 4, no. 1, p. 19-36, (1983).
- Larson, H J; Jayachandran, T
  CEMS IV statistical diagnostics algorithm
  Int. Oil Analysis Workshop, Pensacola, Fla., May,
  1983.
  IN Proc., JOAP Tech. Support Ctr., (1983).
- Latouche, G; Jacobs, P A; Gaver, D P Finite marker chains skip-free in one direction Nav. Res. Logistics Q., vol. 31, p. 571-580, (1984).
- Mazumdar, M; Gaver, D P
  On the computation of power generating system reliability indices
  Technometrics, p. 173-185, (1984).

- Poock, G K
  Voice input for WWMCCS command and control
  WWMCCS ADP Tech. Users Group Fall Conf., Reston, Va.,
  Nov. 16-17, 1982.
  IN Proc., WWMCCS, (1983).
- Poock, G K
  Experimental evidence about what factors influence recognizer performance
  Toward robustness in speech recognition, Santa Barbara, Calif., Nov., 1984.
  IN Proc., (1984).
- Poock, G K
  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).
- Poock, G K; Woodard, J; Crane, C
  Full day workshop on speech recognition
  Am. Voice Input/Output Soc. Ann. Conf., Washington,
  D.C., Sept., 1984.
  IN Proc., Getting started in voice, (1984).
- Rockower, E B
  Laser beam-quality/aperture shape sealing relation
  Applied Optics, vol. 25, no. 9, 1394-1397, (May, 1986).
- Rosenthal, R E
  Representing inverse in pure network optimization
  European J. of Operational Res., vol. 23, no. 3, p. 356-366, (Mar., 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).

- Satyanarayana; Wood, K A linear-time algorithm for computing K-terminal reliability in series-paralled graphs SIAM J. on Computing, vol. 14, no. 4, p. 818-832, (Nov., 1985).
- Shreve, S; Lehoczky, J P; Gaver, D P
  Optimal consumption for general diffusions with
  absorbing 2 reflecting barriers
  SIAM J. on Control Optimization, vol. 22, p. 55-75,
  (1984).
- Sovereign, M G: Stewart, J S
  Experimental gaming for command control and communications
  LIDS-R-1624, p. 7, (Dec., 1986)
- Taylor, J G
  A Lanchester-type aggregated-force model of conventional ground combat
  Nav. Res. Logistics Q., vol. 30, no. 2, p. 237-260, (June, 1983).
- Taylor, J G
  Simple-approximate battle-outcome-prediction conditions for variable-coefficient Lanchester-type equations of modern warfare
  Nav. Res. Logistics Q., vol. 30, no. 1, p. 113-131, (Mar., 1983).
- Taylor, J G; Brown, G G
  Annihilation prediction for Lanchester-type models of modern warfare
  Operations Res., vol. 31, no. 4, p. 752-771, (July-Aug., 1983).
- Washburn, A R
  Search for a moving target: The FAB algorithm
  Operations Res., vol. 31, no. 4, p. 739-751,
  (July-Aug., 1983).
- Wood, K
  Factoring Algorithms for computing K-terminal network reliability
  IEEE Trans. on Reliability , vol. R-35, no. 3, p. 269-278, (Aug., 1986)

## 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
  Review and recommendations for TIMS II proposed development
  Sponsored by Chief of Naval Operations, Washington, DC. Naval Postgraduate School, (NPS-55-86-019), Oct., 1986. 24 p.
- 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
  Thames barrier becomes operational
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-1), Jan. 31, 1983, p.
  27-28.
- Barr, D R
  A systems approach to defense analysis
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-1), Jan. 31, 1983, p.
  25-26.
- Barr, D R
  Applications of the multi-armed bandit
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-7), July 31, 1983, p.
  285-288.
- Barr, D R
  Computational complexity research
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-3), Mar. 31, 1983, p.
  111-113.
- Barr, D R
  Computer aided instruction
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-6), June 30, 1983, p.
  208-210.

# DEPARTMENT OF OPERATIONS RESEARCH TECHNICAL REPORTS AND NOTES (cont'd)

- Barr, D R
  Environmental Extremes Meeting
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-6), June 30, 1983, p.
  232-234.
- Barr, D R
  European Congress on Operations Research
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-9), Sept. 30, 1983,
  p. 370-372.
- Barr, D R
  Management science research at Odence University
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-2), Feb. 28, 1983, p.
  71-73.
- Barr, D R
  Megalithic statistics
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-2), Feb. 28, 1983, p.
  79-83.
- Barr, D R
  Northern British Operations Research Conference
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-5), May 31, 1983. p.
  182-185.
- Barr, D R
  Operations research in an engineering production department
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-7), July 31, 1983, p. 273-276.
- Barr, D R
  Royal Statistical Society
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-10), OCt., 1983, p.
  436-437.
- Barr, D R
  Statistical quality control
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-8), Aug. 31, 1983, p.
  337-339.

#### DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Barr, D R
  Statistics at the Technical University of Denmark
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-3), Mar. 31, 1983, p.
  113-116.
- Barr, D R
  Statistics at Aachen
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-4), Apr. 30, 1983, p.
  159-161.
- Barr, D R
  Statistics in Ireland
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-10), Oct., 1983, p.
  430-433.
- Barr, D R
  The Institute d'Administration des Enterprises
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-4), Apr. 30, 1983, p. 140-143.
- Barr, D R
  The International Statistical Institute
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-9), Sept. 30, 1983,
  p. 386-388.
- Barr, D R
  The 4th Euredata Conference
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-37-5), May 31, 1983, p.
  180-182.
- Barr, D R
  Research organization in the Federal Republic of Germany
  Office of Naval Res., London, (ONRL Tech. rep.),
  Jan., 1983. 5 p.
- Barr, D R
  Statistics, operations research, and management science in Europe 1982: Summary report
  Office of Naval Res., London, (ONRL-R-2-83), Feb. 11, 1983. 9 p.

# DEPARTMENT OF OPERATIONS RESEARCH TECHNICAL REPORTS AND NOTES (cont'd)

- Barr, D R
  Information technology in the U. K.
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-38-1), Jan., 1984, p.
  60.
- Barr, D R
  New decision support system
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-38-1), Jan., 1984, p.
  41-42.
- Barr, D R
  Organization of research in Norway
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-38-3), Mar., 1984, p.
  152-153.
- Barr, D R
  Statistics research at small German universities
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-38-2), Feb., 1984, p.
  110-112.
- Barr, D R
  Storm and current prediction at IOS Bidston
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-38-4), Apr., 1984, p.
  199-202.
- Barr, D R
  The Norwegian Computing Center
  IN Office of Naval Res., London: European
  Scientific Notes, (ESN-38-3), Mar., 1984, p.
  157-159.
- Barr, D R
  Statistics and operations research in Europe 1983:
  Summary report
  Office of Naval Res., London, (ONRL-R-3-84), Jan. 5,
  1984. 11 p.
- Barr, D R; Hayden, B Statistical climatology IN Office of Naval Res., London: European Scientific Notes, (ESN-38-1), Jan., 1984, p. 8-12.

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# DEPARTMENT OF OPERATIONS RESEARCH TECHNICAL REPORTS AND NOTES (cont'd)

- 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 ALO2-85-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.
- Boger, D C; Washburn, A R Notes from the Stockpile Seminar Naval Postgraduate School, (NPS-55-85-014), Aug., 1985. 36 p.
- Breaker, L C; Lewis, P A W
  On the detection of a 40 to 50 day oscillation in sea surface temperature along the Central California Coast Naval Postgraduate School, (NPS-55-85-025), Sept., 1985. 14 p.
- Breaker, L C; Lewis, P A W; Orav, E J
  Analysis of 12-year record of sea-surface temperatures off Pt. Sur, California
  Prepared for Office of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-55-83-018), June, 1983. 61 p.
- Brown, G G; Graves, G W; Honczarenko, M
  Design and operation of a multicommodity
  production/distribution system using primal goal
  decomposition
  Naval Postgraduate School, (NPS-55-83-010), May,
  1983. 24 p.
- Brown, G G; Graves, G W; Ronen, D Scheduling ocean transportation of crude oil Univ. of Missouri - St. Louis, (Tech. rep.), May, 1983. 26 p.

# DEPARTMENT OF OPERATIONS RESEARCH TECHNICAL REPORTS AND NOTES (cont'd)

- Brown, G G; McBride, K; Wood, K
  Extracting embedded generalized networks from linear programming problems
  Naval Postgraduate School, (NPS-55-84-020), Sept., 1984. 22 p.
- Brown, G G; McBride, R; Wood, K
  Extracting embedded generalized networks from linear programming problems
  Naval Postgraduate School, (NPS-55-84-020), Sept., 1984. 22 p.
- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J; Strawser, P R; Tekampe, R C; Watson, R J Performance evaluation of a database system in multiple backend configurations

  Prepared for Chief of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-52-84-019), Oct., 1984.

- Demurjian, S A; Hsiao, D K; Strawser, P R
  Design analysis and performance evaluation methodologies
  for database computers
  Sponsored by Office of Naval Res. and DOD STARS
  Program. Naval Postgraduate School, (NPS-52-85-009),
  June, 1985. 117 p.
- Eagle, J N
  The modelling of spiral-search torpedoes and depth bombs in the Naval Wargaming System
  Prepared for Naval Electronic Systems Command (PME 120), Washington, D.C. Naval Postgraduate School, (NPS-55-83-021), Aug., 1983. 17 p.
- Eagle, J N

  The approximate solution of a simple constrained search path moving target problem using moving horizon policies Prepared for Strategic Systems Project Office, Arlington, Va. Naval Postgraduate School, (NPS-55-84-009), May, 1984. 10 p.
- Eagle, J N
  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.

# 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; Jung, G H; Wilson, O B
  A brief study of problems relevant to acoustics in shallow water ASW scenarios
  Prepared for Naval Research Lab., Washington, D.C.
  Naval Postgraduate School, (NPS-61-84-003), Jan., 1984. 20 p.
- 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.
- Forrest, R N
  A random tour process of known length between known end points
  Prepared for Strategic Systems Project Office,
  Arlington, Va. Naval Postgraduate School,
  (NPS-71-83-001), Jan., 1983. 22 p.
- Forrest, R N
  Magnetic anomaly detection models with a program for a
  Texas Instruments TI-59 calculator
  Naval Postgraduate School, (NPS-55-78-021), Sept.,
  1978, (Revised, Sept., 1983). 57 p.
- Forrest, R N
  MAD detection and the Naval Warfare Gaming System
  Prepared for Naval Electronics Systems Command,
  Washington, D.C. Naval Postgraduate School,
  (NPS-55-83-032), Nov., 1983. 28 p.
- Forrest, R N
  Programs for a target position estimation procedure
  Naval Postgraduate School, (NPS-71-83-002), Mar.,
  1983. 48 p.
- Forrest, R N
  Some notes on search, detection and localization
  modeling
  Naval Postgraduate School, (NPS-55Fo75041), Apr.,
  1975, (Revised, Nov., 1983). 37 p.

# DEPARTMENT OF OPERATIONS RESEARCH TECHNICAL REPORTS AND NOTES (cont'd)

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

#### DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Gaver, D P; Jacobs, P A
  Low-level status prediction using binary statistical
  regression: A progress report using Moffet Field data
  Prepared for NEPRF, Monterey, Calif. and Office of
  Naval Res., Arlington, Va. Naval Postgraduate
  School, (NPS-55-83-034), Dec., 1983. 77 p.
- Gaver, D P; Jacobs, P A
  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; Latouche, G
  The normal approximation and queue control for response times in a processor-shared computer system model
  Prepared for Office of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-55-84-001), FEb., 1984. 17 p.
- Gaver, D P; 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; O'Muircheartaigh Robust empirical Bayes analysis of event rates Naval Postgraduate School, (NPS-55-86-007), Mar., 1986. 53 p.
- Harrison, T P; Rosenthal, R E
  An implicit/explicit approach to multiobjective optimization with an application to forest management planning
  Naval Postgraduate School, (NPS-55-86-012), June, 1986. 36 p.
- Hartman, J K
  Chapter 4
  IN B. Hansen, ed.: Knowledge Engineering Command
  and Control Workshop, Jet Propulsion Lab., (JPL
  D-702), Aug. 10, 1983.
- Hartman, J K
  Chapter 7
  IN J. D. Fearey and C. B. Solloway, eds.: Survey
  of selected wargames in the context of USREDCOM
  Wargaming and Simulation Systems requirements,
  Jet Propulsion Lab., (JPL D-680), Apr. 11,
  1983.

#### DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Hartman, J K
  Chapter 8
  IN J. D. Fearey and C. B. Solloway, eds.: Survey
  of selected wargames in the context of USREDCOM
  Wargaming and Simulation Systems requirements,
  Jet Propulsions Lab., (JPL D-680), Apr. 11,
- Howard, G T
  Wholesale provisioning models: Model optimization:
  Final report for the period 1 April 83 September 83
  Prepared for Commanding Officer, Fleet Material
  Support Office, Mechanicsburg Pa. Naval Postgraduate
  School, (NPS-55-83-028), Oct., 1983. 35 p.
- 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.
- Jayachandran, T; Larson, H J
  CEMS IV OAP algorithm
  Prepared for Kelly AFB, Tex. Naval Postgraduate
  School, (NPS-55-83-013), May, 1983.
- Jayachandran, T; Larson, H J
  Statistical analysis for the Nondestructive Inspection (NDI) Technician Proficiency Measurement Program
  Prepared for Kelly AFB, Tex. Naval Postgraduate School, (NPS-53-83-008), June, 1983.
- 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.
- Lawrance, A J; Lewis, P A W
  Stationary exponential time series: Further model development and residual analysis
  Prepared for Office of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-55-83-008), 1983.

# DEPARTMENT OF OPERATIONS RESEARCH TECHNICAL REPORTS AND NOTES (cont'd)

- 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; Orav, E J; Drueg, H W; Linnebur, D G;
  Uribe, L
  SIMTBED: A graphical test bed for analyzing and
  reporting the results of a statistical simulation
  experiment
   Prepared for Office of Naval Res., Arlington, Va.
   Naval Postgraduate School, (NPS-55-83-007), Apr.,
  1983.
- 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.
- McKenzie, E
  An autoregressive process for beta random variables
  Naval Postgraduate School, (NPS-55-83-037), Dec.,
  1983. 25 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.

# DEPARTMENT OF OPERATIONS RESEARCH TECHNICAL REPORTS AND NOTES (cont'd)

- Poock, G K; Martin, B J
  Voice recognition performance with naive versus
  practiced users
  Naval Postgraduate School, (NPS-55-83-016), June,
  1983.
- Poock, G K; Martin, B J
  Effects of emotional and perceptual motor stress on a
  voice recognition system's accuracy
  Prepared for Naval Electronics Systems Command,
  Washington, D.C. Naval Postgraduate School,
  (NPS-55-84-002), Feb., 1984. 80 p.
- Poock, G K; Martin, B J; Roland, E F
  The effect of feedback to users of voice recognition equipment
  Naval Postgraduate School, (NPC-55-83-003), Feb., 1983.
- Poock, G K; Roland, E F Simulated TACFIRE input procedure for use with voice data entry Naval Postgraduate School, (NPS-55-83-012), Apr., 1983.
- Poock, G K; Roland, E F Voice recognition vocabulary lists for the Army's TACFIRE system Naval Postgraduate School, (NPS-55-83-001), Jan., 1983.
- Poock, G K; Roland, E F
  A feasibility study for integrating voice
  recognition/input into the Integrated Information
  Display System (IID)
  Naval Postgraduate School, (NPS-55-84-008), Mar.,
  1984. 76 p.
- Poock, G K; Roland, E F; Schwalm, N D
  Wearing Army gas masks while talking to a voice
  recognition system
  Naval Postgraduate School, (NPS-55-83-005), Mar.,
  1983.
- Poock, G K; Roland, E F; Sparks, P W Final summary: Voice recognition/input issues for TACFIRE Naval Postgraduate School, (NPS-55-83-017), 1983.

#### DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Read, R R
  A primer in APL: Lab support for OA3101-2-3-4
  Naval Postgraduate School, (NPS-55-84-031), 1984.
  224 p.
- Richards, F R; McMasters, A W
  Wholesale provisioning models: Model development
  Prepared for Navy Fleet Material Support Office,
  Mechanicsburg, Pa. Naval Postgraduate School,
  (NPS-55-83-026), Sept., 1983. 60 p.
- 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; Choypeng, P; Puakpong, P
  Optimal ship routing and personnel assignment for naval
  recruitment in Thailand
  Naval Postgraduate School, (NPS-55-84-017), Aug.,
  1984. 15 p.
- 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.
- Shubert, B O
  Some probability models related to classical occupancy with possible applications to tactical analysis
  Prepared for Chief of Naval Res., Arlington, Va.,
  Naval Postgraduate School, (NPS-55-83-019), July,
  1983. 41 p.
- Shudde, R H
  A multiple leg TMA procedure with programs for the
  Hewlett-Packard HP-41CV, the Hewlett-Packard HP-75C, the
  Sharp PC-1500(TRS-80-PC-2) and the Radio Shack TRS-80
  model 100 portable computers
  Prepared for the Office of Naval Res., Fleet Activity
  Support Div., Code 230, Arlington, VA. Naval
  Postgraduate School, (NPS-55-83-025), Sept., 1983.
  27 p.

# DEPARTMENT OF OPERATIONS RESEARCH TECHNICAL REPORTS AND NOTES (cont'd)

- Shudde, R H
  An analysis of the satellite kinematics model in the Naval War Gaming System
  Prepared for Commander, Naval Electronics Systems Command, PME 120, Washington, D.C. Naval Postgraduate School, (NPS-55-83-022), Sept., 1983. 12 p.
- Shudde, R H
  Position determination with LORAN-C triplets using the
  Hewlett-Packard HP-75C, the Sharp PC-1500 (TRS-80 PC-2)
  or the Radio Shack TRS-80 model 100 portable computers
  Prepared for Chief of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-55-83-023), Sept.,
  1983. 43 p.
- Shudde, R H
  Fleet Mission Program Library operating instructions for
  the Sharp PC-1500A computer
  Navy Tactical Support Activity, (NTSA FPL40-7),
  Sept., 1984. 73 p.
- Shudde, R H
  Some Sharp PC-1500A computer navigation programs for the Fleet Mission Program Library
  Prepared for Office of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-55-84-018), Sept., 1984.
- 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.

ener necesser restricted and the second and the second second and the second second of the second of

- 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
  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.

#### DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Thomas, L C; Jacobs, P A; Gaver, D P
  Inspection policies for stand-by systems
  Prepared for Office of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-55-84-004), Mar.,
  1984. 52 p.
- Washburn, A R
  Surveillance/pounce model
  Naval Postgraduate School, (NPS-55-83-006), Apr.,
  1983. 14 p.
- Washburn, A R
  Deterministic graphical games
  Naval Postgraduate School, (NPS-55-86-010), May,
  1986. 13 p.
- Weiman, K; Hughes, W J; Ignizio, J P
  An algorithm for selecting transducer element array positions
  Sponsored by Applied Research E/F and Naval Sea Systems Command, Washington, D.C. Applied Research Labs, Penn State, (Tech. rep.), 1985. 147 p.
- 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.

# DEPARTMENT OF PHYSICS

# DEPARTMENT OF PHYSICS CONFERENCE PRESENTATIONS

- 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 structured factor delta for sintered bronze spheres

  110th Mtg. of the Acoust. Soc. of Am., Nashville, TN, Nov., 1985.
- 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
  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.
- 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.
- Boyle, P J; Davidson, K L; Schacher, G E
  Evaluation of an integrated mixed layer model for single
  station prediction in a marine regime
  Newscasting -II Symp., Norrkoping, Sweden, Sept. 3-7,
  1984.
- Brekke, B; Wilson, O B
  A modified time delay spectrometry method for underwater acoustic measurements
  Acoust. Soc. Am. Mtg., Austin, Tex., Apr., 1985.
- Burmaster, C L; Garrett, S L Reciprocity calibration of transducers in a plane-wave resonator 106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov. 8-11, 1983.

#### DEPARTMENT OF PHYSICS

- Buskirk, F R; Neighbours, J R
  Cerenkov radiation in the neighborhood of the emission threshold
  Ann. Propagation Phys. Review of DARPA and Army,
  Navy, Air Force, Naval Postgraduate School, Monterey,
  Calif., June 18-22, 1984.
- 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.
- 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.
- Garrett, S L Reciprocity calibration of second sound transducers in super-helium 106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov. 8-11, 1983.
- Garrett, S L Unusual properties of superfluid helium Am. Phys. Soc. Mtg., San Francisco, Calif., Nov. 21, 1983.
- Garrett, S L
  Detuning/dephasing instabilities in acoustic levitation and Rayleigh disk systems
  109th Mtg. of the Acoustical Soc. of Am., Austin, Tex., April 8-12, 1985.
- 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.
- Harrison, D E; Jakas, M M Inelastic energy losses in cascade and atom ejection IBA 7 '85, Berlin, F. R. G., 1985.

#### DEPARTMENT OF PHYSICS

- 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.
- Mason, J T; Mills, G B; Garrett, S L; Wayman, J L Comparison of impedance measurement techniques 106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov. 8-11, 1983.
- 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.
- Mills, G B; Garrett, S L; Carome, E F
  Fiber optic gradient hydrophone
  106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.
  8-11, 1983.
- 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.
- Nichols, R H
  VLF ambient ocean noise vs. wind and waves
  12th Int. Cong. on Acoustics, Toronto, Canada, July
  24-31, 1986.
- Ogg, B R; Valdivia, J; Yarber, R K; Garrett, S L
  Absolute electroacoustic measurement of temperature
  oscillations in superfluid helium by the reciprocity
  method
  Ultrasonics Symp., 31 Oct. 2 Nov., 1983.
- 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).

#### DEPARTMENT OF PHYSICS

- Sanders, J V; Coppens, A B
  Propagation of sound in a fluid wedge overlying a fast
  bottom
  108th Mtg., Acoust. Soc. Am., Minneapolis, Minn.,
  Oct. 8-12, 1984.
- Schacher, G E
  Assessing diffusion in complex terrain
  S & EPS Workshop on Atmospheric Transport and
  Diffusion Modeling, Los Angeles, Calif., June, 1985.
- Schacher, G E
  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
  Laser induced unipolar arcing
  Navy CPB Material Interaction Workshop, Navy Surface
  Weapons Center, White Oak, Silver Spring, Md., Sept.
  25-26, 1984.
- Schwirzke, F R
  Unipolar arc model
  6th Int. Conf. on Plasma Surface Interactions in
  Controlled Fusion Devices, Nagoya, Japan, May 14-18,
  1984.
- Schwirzke, F R
  Unipolar arc model
  26th Ann. Mtg. of the Div. of Plasma Phys., Boston,
  Mass., Oct. 29 Nov. 2, 1984.
- Schwirzke, F R
  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.

#### DEPARTMENT OF PHYSICS

- 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.
- Skowronek, L J; Conte, D V; Wilson, O B; Garrett, S L Computerized measurement and analysis of sonar transducer equivalent circuit parameters 106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov. 8-11, 1983.
- 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.
- Valdivia, J; Ogg, B R; Yarber, R K; Garrett, S L An experimental test of acoustical reciprocity calibration applied to thermal transducers in superfluid helium 106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov. 8-11, 1983.
- 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
  Atmospheric isoplanatic angle measurements
  Optical Soc. of Am., Ann. Mtg., New Orleans, La.,
  Oct. 25, 1983.
- Walters, D L
  Isoplanatic angle measurements
  HELRIG Adaptive Optics Workshop, Albuquerque, N.
  Mex., Feb. 15-16, 1984.
- Walters, D L
  Saturation and zenith angle dependence of atmospheric isoplanatic angle measurements
  Soc. of Photo-optical Instrumentation Engrs., East 85, Washington, D.C., Apr. 8, 1985.
- 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.

#### 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.

Schwirzke, F R
Laser induced unipolar arcing
IN H. Hora and G. H. Miley, eds.: Laser
interaction and related plasma phenomena (v.
6), New York, Plenum Publ. Corp., 1984, p.
335-352.

Schwirzke, F R
Unipolar arcing: A basic laser damage mechanism
IN H. E. Bennett, et al., eds.: Laser induced
damage in optical materials 1982, Nat. Bureau
of Standards, Special Publ. no. 669, Jan.,
1984, p. 458-478.

Wilson, O B
An introduction to the theory and design of sonar transducers
Monterey, CA, Naval Postgraduate School, 1986. 187 p.

#### 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).
- Boyle, P J; Davidson, K L; Schacher, G E
  Evaluation of an integrated mixed layer model for single
  station prediction in a marine regime
  Newscasting -II Symp., Norrkoping, Sweden, Sept. 3-7,
  1984.
  IN Proc., p. 323-237, (1984).
- Burmaster, C L; Garrett, S L
  Reciprocity calibration of transducers in a plane-wave resonator
  106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov. 8-11, 1983.
  IN J. Acoust. Soc. Am., vol. 74, S98, (1983).
- 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).
- 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; Fairall, C W; Boyle, P J; Schacher, G E Verification of an atmospheric mixed layer model for a coastal region
  J. Climate and Appl. Meteorology, vol. 23, no. 4, p. 617-636, (Apr., 1984).

A a Prossessed a byzasza zak a kokokokok a Prozes

#### DEPARTMENT OF PHYSICS

## PUBLISHED PAPERS

- Fairall, C W; Davidson, K L; Schacher, G E
   Application of a mixed layer model to aerosol in the
   marine boundary layer
   Tellus, Part B, vol. 36, no. 3, p. 203-211, (1984).
- Garrett, S L
  Reciprocity calibration of second sound transducers in super-helium
  106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov. 8-11, 1983.
  IN J. Acoust. Soc. Am., vol. 74, S26, (1983).
- Garrett, S L
  Unusual properties of superfluid helium
  Am. Phys. Soc. Mtg., San Francisco, Calif., Nov. 21,
  1983.
  IN Bull. Am. Phys. Soc., vol. 28, p. 1350, (1983).
- Garrett, S L
  Detuning/dephasing instabilities in acoustic levitation and Rayleigh disk systems
  109th Mtg. of the Acoustical Soc. of Am., Austin,
  Tex., April 8-12, 1985.
  IN J. Acoust. Soc. Am., vol. 77, p. S21, (1985).
- Glass, N E
  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

  Molecular dynamics computer simulation study of the damage produced in metal target surfaces during ion bombardment

  IN Proc., SIMS IV, (Secondary Ion Mass Spectrometry), Springer-Verlag, N.Y., 1984.

#### DEPARTMENT OF PHYSICS

#### PUBLISHED PAPERS

- 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).
- Jakas, M M; Harrison, D E
   Influence of electronic energy losses on atom ejection
   processes
   Phys. Rev. B, vol. 30, no. 6, p. 3573-3574, (Sept.
   15, 1984).
- Jakas, M M; Harrison, D E
  Computer studies of the reflection of 30keV 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
  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).
- 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).

## DEPARTMENT OF PHYSICS

#### PUBLISHED PAPERS

- 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).
- Mason, J T; Mills, G B; Garrett, S L; Wayman, J L Comparison of impedance measurement techniques 106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov. 8-11, 1983. IN J. Acoust. Soc. Am., vol. 74, S63, (1983).
- Mills, G B; Garrett, S L; Carome, E F
  Fiber optic gradient hydrophone
  106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov.
  8-11, 1983.
  IN J. Acoust. Soc. Am., vol. 74, S16, (1983).
- Mills, G B; Garrett, S L; Carome, E F
  Fiber optic gradient hydrophone
  IN Proc., SPIE-Int. Soc. of Optical Eng., vol.
  478, 5 p., (May, 1984).
- Neighbours, J R; Buskirk, F R; Saglam, A Cerenkov radiation from a finite-length path in a gas Phys. Rev. A, vol. 29, no. 6, 6.5 p., (June, 1984).
- Nerney, S F; Suess, S T

  Modeling the effects of latitudinal gradients in stellar winds, with application to the solar wind Astrophys. J., vol. 296, no. 1, p. 259-267, (Sept. 1, 1985).
- 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).
- Ogg, B R; Valdivia, J; Yarber, R K; Garrett, S L
  Absolute electroacoustic measurement of temperature oscillations in superfluid helium by the reciprocity method
  Ultrasonic Symp., 31 Oct. 2 Nov., 1983.
  IN Proc., SU-18, 3 p., (1983).

## DEPARTMENT OF PHYSICS

#### PUBLISHED PAPERS

(cont'd)

Sanders, J V; Coppens, A B
Propagation of sound in a fluid wedge overlying a fast
bottom
108th Mtg., Acoust. Soc. Am., Minneapolis, Minn.,
Oct. 8-12, 1984.
IN J. Acoust. Soc. Am., vol. 76, suppl. 1, p. 112,
(1984).

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).

Schwirzke, F R
Unipolar arc model
bth Int. Conf. on Plasma Surface Interactions in
Controlled Fusion Devices, Nagoya, Japan, May 14-18,
1984.
IN J. Nucl. Materials, 4 p., (1984).

Schwirzke, F R
Unipolar arc model
26th Ann. Mtg. of the Div. of Plasma Phys., Boston,
Mass., Oct. 29 - Nov. 2, 1984.
IN Bull. Am. Phys. Soc., vol. 29, p. 1247, (1984).

Schwirzke, F R
Unipolar arcs
38th Gaseous Electronics Conf., Monterey, CA, Oct.
15-18, 1985.
IN Program and Abstracts, p. 114, (1985).

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).

CONSTRUCTION OF THE PERSON OF

# DEPARTMENT OF PHYSICS

# PUBLISHED PAPERS

- 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).
- Skowronek, L J; Conte, D V; Wilson, O B; Garrett, S L Computerized measurement and analysis of sonar transducer equivalent circuit parameters 106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov. 8-11, 1983. IN J. Acoust. Soc. Am., vol. 74, S99, (1983).
- Skupniewicz, C E; Schacher, G E
  Parameterization of plume dispersion overwater
  Atmos. Environment, vol. 20, p. 1333, (1986).
- Suess, S T; Thomas, B T; Nerney, S F
  Theoretical interpretation of the observed
  interplanetary magnetic field radial variation in the
  outer solar system
  J. Geophys. Res., vol. 90, no. A5, p. 4378-4382, (May
  1, 1985).
- Valdivia, J; Ogg, B R; Yarber, R K; Garrett, S L An experimental test of acoustical reciprocity calibration applied to thermal transducers in superfluid helium 106th Mtg., Acoust. Soc. Am., San Diego, Calif., Nov. 8-11, 1983. IN J. Acoust. Soc. Am., vol. 74, S26, (1983).
- 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
  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).

## DEPARTMENT OF PHYSICS

## PUBLISHED PAPERS

- Webb, R P; Harrison, D E
  The formation of target adatoms during the quenching of an energetic ion induced cascade in a crystalline metal surface
  Radiation Effects Letters, vol. 86, no. 1 p. 15-18, (1983).
- Webb, R P; Harrison, D E
  A computer simulation of high energy density cascades
  Nuclear instruments and methods in phys. res.,
  Section B, vol. 230, p. 660-665, (1984).
- Webb, R P; Harrison, D E
  A molecular dynamics computer simulation of the time dependence of surface damage production in ion irradiated metal targets
  Vacuum, vol. 35, no. 10/11, p. 847-851, (1984).
- Webb, R P; Harrison, D E; Barfoot, K M
  Microscopic phase transitions in molecular dynamics
  simulations of low energy ion irradiation of metals
  Nuclear Instruments and Methods B, p. 143-146,
  (1985).
- 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).
- Woehler, K E
  On the correspondence between the paintings of Bernhard Schultze and recent results of modern physics
  IN Art catalog, Rheinlaud Verlag, Cologne, F. R. G., 1984.
- Yoon, S W
  Parametric acoustic conversion in ocean sediments
  J. Acoust. Soc. Am., vol. 75, no. 6, p. 1916, (June, 1984).

### DEPARTMENT OF PHYSICS

## TECHNICAL REPORTS AND NOTES

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

## DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

- 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.
- Eagle, J N; Jung, G H; Wilson, O B
  A brief study of problems relevant to acoustics in shallow water ASW scenarios
  Prepared for Naval Research Lab., Washington, D.C.
  Naval Postgraduate School, (NPS-61-84-003), Jan., 1984. 20 p.
- 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.
- 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.
- 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
- 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 R; Buskirk, F R
  Diffraction effects in Cerenkov radiation
  Prepared for Chief of Naval Res. Arlington, Va.
  Naval Postgraduate School, (NPS-61-83-010), June,
  1983. 29 p.

## DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Neighbours, J R; Buskirk, F R
  Radiation from intense electron beams associated with
  the Cerenkov mechanism
  Prepared for Naval Surface Weapons Center, Silver
  Spring, Md. Naval Postgraduate School,
  (NPS-61-84-010), June, 1984. 21 p.
- Reinhardt, R A
  Computations on internal blast from titanium-cased chargers in air
  Sponsored by Naval Weapons Center, China Lake, Calif.
  Naval Weapons Center, (NWC-TP-6544), July, 1984. 44 p.
- Schacher, G E
  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.
- Schacher, G E; Skupniewicz, C E
  Air parcel motion at the Vandenberg hydrogen flare
  stacks
  U.S. Air Force, Space Division, (Code SD/CFA), Los
  Angeles, Calif. Naval Postgraduate School,
  (NPS-61-86-005), Oct., 1985. 106 p.
- Schacher, G E; Skupniewicz, G E; Buell, M
  Mean conditions and turbulence at Vandenberg AFB
  Prepared for U.S. Air Force Space Div., Los Angeles,
  Calif. Naval Postgraduate School, (NPS-61-85-003),
  Nov., 1984. 75 p.
- Schacher, G E; Stanton, T P
  Mean flow and turbulence in complex terrain
  NPS/Vandenberg measurement system
  Prepared for U. S. Air Force Space Div., (Code
  SD/CFA), Los Angeles, Calif. Naval Postgraduate
  School, (NPS-61-84-005), Mar., 1984. 118 p.

# DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Schwirzke, F R
  Short pulse laser and plasma surface interactions
  Prepared for Naval Research Lab., Washington, D.C.
  Naval Postgraduate School, (NPS-61-84-004), Apr. 2,
  1984. 17 p.
- Schwirzke, F R
  Microscopic model and scaling laws for a plasma opening switch
  Naval Postgraduate School, (NPS-61-85-006), Sept., 1985. 9 p.
- Skupniewicz, C E; Schacher, G E
  Assessment of the performance of an in-field Gaussian plume puff model for overwater use
  Naval Environmental Prediction Res. Facility,
  (NEPRF-CR-85-01), Feb., 1985. 47 p.

THE PROPERTY OF THE PROPERTY OF THE PARTY OF

- 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.
- Skupniewicz, G E; Schacher, G E
  Assessment of the performance of an in-field Gaussian plume/puff model for overwater use
  Prepared for Naval Environmental Prediction Res. Facility, Monterey, Calif. Naval Postgraduate School, (NPS-61-85-002), Nov., 1984. 43 p.
- Skupniewicz, G E; Schacher, G E
  Measured plume dispersion parameters over water (Vols. 1 and 2)
  Prepared for Office of Naval Res., Arlington, Va.
  Naval Postgraduate School, (NPS-61-84-012), Sept., 1984. 190 p.
- 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.

## DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

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.

becommon to the contract of th

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

- Blandin, J S
  Cost and utility considerations in military selection and assignment decisions
  16th Ann. Mtg., Am. Inst. for Decision Sciences, Toronto, Canada, Nov. 5-7, 1984.
- Burmeister, E; Wall, K D
  The arbitrage pricing theory and macroeconomic factor
  measures
  Eastern Finance Assoc. Mtgs., Williamsburg, Va., Apr.
  24-27, 1985.
- Burmeister, E; Wall, K D; Hamilton, J D Estimation of unobserved expected monthly inflation using Kalman filtering 5th World Cong. of the Econometric Soc., Cambridge, Mass., Aug. 7-23, 1985.
- Connolly, R A; LaCivita, C J
  Adjust costs, multiple capital goods and q
  So. Econ. Assoc. Mtgs., Atlanta, Ga., Nov. 14-16,
  1984.

Control of the Particle of the Control of the Contr

- 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.
- LaCivita, C J
  The determinants of the forward exchange rate
  So. Econ. Assoc. Mtgs., Atlanta, Ga., Nov. 14-16,
  1984.
- 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.

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# CONFERENCE PRESENTATIONS (cont'd)

- Pirog, R L; Stamos, S C Energy policy and planning Nat. Mtg. of Am. Evolutionary Econ. Soc. at ASSA Mtg., Dallas, Tex., Dec., 1984.
- Snyder, R A; Morris, J H
  Global organization performance and employee commitment and competence in a human service system
  Nat. Mtg. of Am. Inst. for Decision Sciences,
  Toronto, Canada, Nov., 1984.
- 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.
- Wall, K D
  A behaviorally based forecast combination technique
  ORSA/TIMS Fall Mtgs., Dallas, Tex., Nov. 26-28, 1984.
- Wall, K D
  Bootstrapping an econometric application of the Kalman filter
  ORSA/TIMS Applied Probability Group Mtg.,
  Williamsburg, Va., Jan. 7-9, 1985.
- Wall, K D; Correia, C
  A behaviorally based method for forcast combination
  Sixth Int. Symp. on Forcasting, Paris, France, June
  15-18, 1986.
- Williams, R R; Morris, J H; Snyder, R A
  Sex differences in the relationship between perceived communication characteristics and organizational performance
  Nat. Mtg. of Am. Inst. for Decision Sciences, Toronto, Canada, Nov., 1984.

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# CONTRIBUTIONS TO BOOKS

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

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## PUBLISHED PAPERS

- Blandin, J S
  Cost and utility considerations in military selection and assignment decisions
  16th Ann. Mtg., Am. Inst. for Decision Sciences,
  Toronto, Canada, Nov. 5-7, 1984.
  IN Proc., AIDS, (1984).
- Bonsper, D E
  Electronic spreadsheets: To do what? What are they?
  Air Force, J. of Logistics, vol. 8, no. 4, p. 32-33,
  (Winter, 1984).
- Bonsper, D E
  Ambushed
  Marine Corps Gazette, vol. 69, no. 9, p. 23-25,
  (Sept., 1985).
- Bonsper, D E
  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).

## DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

# PUBLISHED PAPERS (cont'd)

- 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).
- 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., 1985).
- 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).

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## PUBLISHED PAPERS

- 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).
- 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
  Forecasting the dollar: What went wrong?
  No. Carolina Rev. of Business and Economics, vol. 8, no. 2, p. 12-18, (Fall, 1984).
- LaCivita, C J
  A note on the statistical properties of alternative q
  measures
  Economics Letters, vol. 19, no. 2, p. 177-181, (Oct., 1985).

## DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

## PUBLISHED PAPERS

- 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 C
  An optimal stabilization program for the 1980s
  No. Am. Econ. Assoc. Conf., New York, N. Y., Dec. 28,
  1982.
  IN Proc., No. Am. Econ. Assoc., (1983).
- Looney, R E; Frederiksen, P C
  Defense expenditures and economic growth in developing countries
  Armed Forces and Soc., vol. 9, no. 4, (Summer, 1983).
- Looney, R E; Frederiksen, P C
  Prospects for economic stability in Mexico during the de
  la Madrid presidency
  Texas Business Rev., vol. 34, no. 3, (May, 1983).
- Looney, R E; Frederiksen, P C
  The feasibility of alternative IMF-type stabilization programs in Mexico 1983-87
  J. Policy Modeling, vol. 5, no. 3, (Oct., 1983).
- Looney, R E; Frederiksen, P C
  The impact of public enterprises on economic growth in Latin America: The case of defense industries
  3rd Int. Mtg., North Am. Economics and Finance
  Assoc., Mexico City, Mexico, July, 1985.
  IN Proc., (1985).
- Pirog, R L
  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).

# DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

# PUBLISHED PAPERS

(cont'd)

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

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

# DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

# TECHNICAL REPORTS AND NOTES

Boynton, R E
Preliminary analysis of the use of Contractor
Engineering and Technical Services (CETS)
Prepared for Chief of Naval Operations, Washington,
D.C. Naval Postgraduate School, (NPS-64-84-001),
1984. 77 p.

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Executive Director, Defense Resources
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Space Systems Academic Group, Code 72
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Command, Control & Communications
Group, Code 74
         Curricular Officer of:
Operations Research/Systems Analysis, Code 30
Aeronautical Engineering, Code 31
Electronics & Communications, Code 32
Weapons Engineering & Antisub Warfare, Code 33
Naval Engineering, Code 34
Air-Ocean Sciences, Code 35
Administrative Sciences Programs, Code 36
National Security & Intelligence Programs,
Code 38
                     Command, Control & Communications, Code 39 Director of Aviation Safety, Code 034
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