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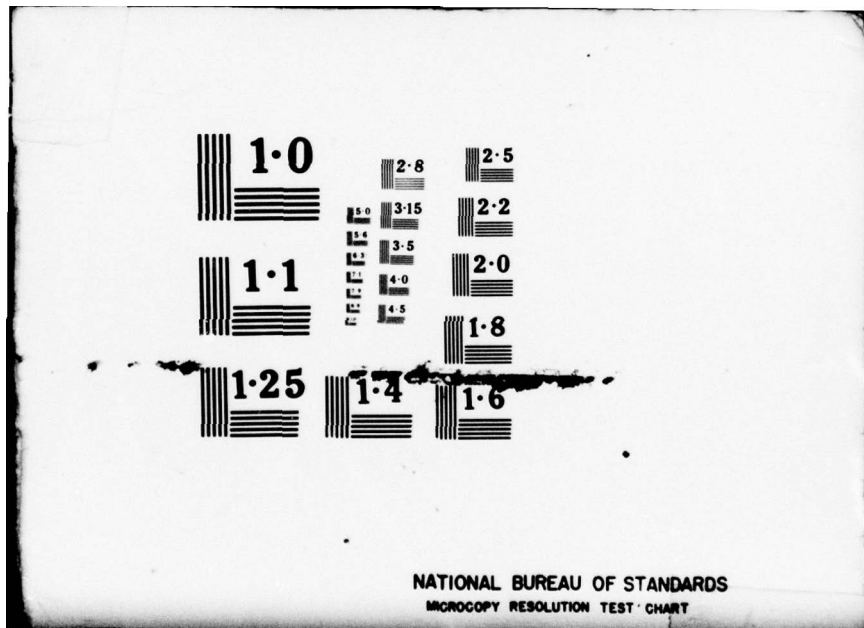
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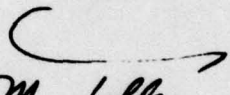
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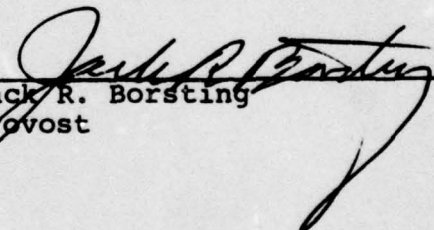
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CONFERENCE PRESENTATIONS

- B. E. Allen and G. L. Barksdale, Jr., "MUNIX, An Environment for Software Development and Real-Time Execution," Ninth International Conference on System Sciences, 1976, Honolulu, Hawaii.
- G. H. Bradley, "Why are Integer Programs Too Hard to Solve?" Presented at the National Meeting of the Operations Research Society of America, San Diego, November 1973.
- G. H. Bradley and Ross Starr, "Bilateral Trade Theory: A Problem in Combinatorial Analysis and Graph Theory," M.S.S.B. Colloquium on Mathematical Economics, University of California, Berkeley, August 1974.
- G. H. Bradley, "Deterministic Networks," Second Annual Systems Engineering Conference of the American Institute of Industrial Engineers in Minneapolis, Minnesota, November 1974.
- G. H. Bradley, G. Brown and G. Graves, "A Comparison of Storage Structures for Primal Network Codes." Operations Research Society of America National Meeting, Chicago, May 1975.
- G. H. Bradley, G. T. Howard and N. F. Schneidewind, "Structure and Error Detection in Computer Software," American Institute of Industrial Engineer's Meeting, Washington, D. C., May 1975.
- G. H. Bradley, "Fixed Order Enumeration Methods." Operations Research Society of America National Meeting, Las Vegas, November 1975.
- G. H. Bradley, G. G. Brown and G. Graves, "Tailoring Primal Network Codes to Classes of Problems with Common Structure." Operations Research Society of America National Meeting, Las Vegas, November 1975.
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CONFERENCE PRESENTATIONS (cont'd)

- G. H. Bradley and G. G. Brown, "Network Optimization and Defense Modelling," Center for Naval Analyses, Arlington, August 1976.
- G. H. Bradley and G. G. Brown, "Energy Modelling with Network Optimization," Federal Energy Administration, Washington, September 1976.
- G. H. Bradley and G. G. Brown, "Extensions of Network Optimization Algorithms," Association for Computing Machinery national meeting, Houston, October 1976.
- G. H. Bradley, G. G. Brown and G. Graves, "Imbedded Networks in Large Scale Optimization Models," ORSA/TIMS national meeting, Miami, November 1976.
- G. H. Bradley and G. G. Brown, "Modelling Applied to Military Force Readiness," sessions organized for Military Operations Research Society meeting, Ft. Eustis, Dec 1976.
- G. H. Bradley and G. G. Brown, "Large Scale Network Optimization," Stanford Operations Research Colloquium, Stanford, January 1977.
- G. H. Bradley, G. G. Brown and G. Graves, "Preprocessing of Large Linear Programs," ORSA/TIMS, Atlanta, November 1977.
- G. H. Bradley, "Survey of Deterministic-Networks," Plenary Speaker, International Symposium on Extremal Methods and Systems Analysis, September 1977.
- G. G. Brown and H. Rutenmiller, "Approximation of Stochastic Vector Products," Spring 1974, ORSA Meeting, Boston.
- G. G. Brown, "Matrix Inversion by Block Pivoting," ORSA Meeting, Fall 1974, San Juan, Puerto Rico.
- G. G. Brown, "A Nonlinear Programming Algorithm Using Higher Order Representations of Highly Nonlinear Problems," Spring 1975, Western ORSA Meeting, Monterey.
- G. G. Brown, H. Rutenmiller and E. Solberg, "Maximum Likelihood Estimation of the Probability of Labor Force Participation When the Dependent Variable is Binary with an Application to the AFDL Population-at-Risk," 1975, Western Economics Association, San Diego.

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- G. G. Brown and G. Graves, "An Application of a Nonlinear Integer Programming Algorithm to an Engineering Design Problem," Fall 1975, ORSA Meeting, Las Vegas.
- G. G. Brown and J. Taylor, "An Examination of the Effects of the Criterion Functional on Optimal Fire-Support Policies," Fall 1975, ORSA Meeting, Las Vegas.
- G. G. Brown and J. Taylor, "Canonical Methods in the Solution of Variable-Coefficient Lanchester-Type Equations of Modern Warfare," Fall 1975, ORSA Meeting, Las Vegas.
- G. G. Brown, "Optimization Methods in Distribution Planning," National Council on Physical Distribution Management, St. Louis, October 1976.
- G. G. Brown and J. Taylor, "Further Canonical Methods in the Solution of Variable-Coefficient Lanchester-Type Equations of Modern Warfare: A New Definition of Power Lanchester Functions," ORSA/TIMS, Miami, November 1976.
- G. G. Brown, "Issues in Basis Manipulation: Factorization-Decomposition," ORSA/TIMS, Miami, November 1976.
- G. G. Brown and G. Graves, "Use of Simple Algebraic Structures for Implementing Algorithms in Large Scale Mathematical Programming," American Mathematical Society 746th meeting Hayward, April 1977.
- G. G. Brown, "Applications of Nonlinear Programming," ACM, Seattle, October 1977.
- G. G. Brown, "Network Models and Logistics Management," NCPDM, Los Angeles, October 1977.
- G. G. Brown and J. Taylor, "Numerical Determination of the Parity-Condition Parameter for Lanchester-Type Equations of Modern Warfare," ORSA/TIMS, Atlanta, November 1977.
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- G. A. Kildall, "The General Purpose Computer as a Personal Tool," Mini Micro Computer Symposium, United States Naval Academy, 1975, pp. 37-43.
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- G. A. Kildall, "Systems Languages: Management's Key to Controlled Software Evolution," Western Electronics Conference, 1974 and 1975.
- G. A. Kildall, "Microcomputer Software Design-A Checkpoint," presented at the AFIPS National Computer Conference, - Anaheim, 1975.
- U. R. Kodres, "Logic Circuit Layout," Proceedings of Summer Seminar on Design Automation of Computers, Center of Advanced Studies, Belgrade, Yugoslavia, 1974.
- U. R. Kodres, "Microcomputers in Tactical Data Systems," CMS-2 User Group Meeting, San Diego, CA.
- U. R. Kodres and W. L. McCracken, "Design Study of a Micro-computer Based Avionics Navigation System," Proceedings of Second Annual Symposium of Computer Architecture, University of Houston, 1975.
- U. R. Kodres, "Analysis of Real Time Systems by Data Flow-graphs," U. S. Navy Distributed Systems Workshop, Fredricksburg, VA, June 1977.
- V. M. Powers, "High-Level Languages for Microcomputers," Microcomputer Technology Task Group Meeting, Naval Electronics Laboratory Center, San Diego, CA, 1975.
- C. A. Rahe and C. B. Robbins, "Spotlight," National Annual Meeting of the Acoustical Society of America, The Pennsylvania State University, University Park, Pennsylvania, June 1977.
- N. F. Schneidewind, "Using Time-Sharing for Software Reliability Analysis," Proceedings of the Second Annual Computer Communications Conference at California State University, San Jose, January 1973.
- N. F. Schneidewind, "Lecturer in U.C.L.A. Engineering and Physical Sciences Division Short Course," August 1973.
- N. F. Schneidewind, "Analytic Model of Software Quality Control," ORSA 43rd National Meeting, Milwaukee, Wisconsin, May 1973.

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CONFERENCE PRESENTATIONS (cont'd)

- N. F. Schneidewind, "Data Privacy and Security," Salinas Valley, Monterey Peninsula Chapter of the National Association of Accountants and Data Processing Management Association, January 1974.
- N. F. Schneidewind, "Mass and Memory System Peripherals," Eighth IEEE Computer Society International Conference, San Francisco, February 1974.
- N. F. Schneidewind, "Management Information Systems," Data Processing Management Association, Hartnell College, Salinas, CA, April 1974.
- N. F. Schneidewind, "Software Complexity and the Cost of Testing," AIEE National Conference, 1975, with G. Bradley and G. Howard.
- N. F. Schneidewind, "Simulation of Error Detection in Computer Programs," ORSA Western Section Meeting, Monterey, CA, March 1975.
- N. F. Schneidewind, "Analysis of Errors in Computer Software," 1975 International Conference on Reliable Software, Sponsored by IEEE, ACM, and NBS, Los Angeles, CA, April 1975.
- N. F. Schneidewind, "An Analysis of Computer Performance and Resource Usage in a Multi-programming Environment," ORSA/TIMS Meeting, Chicago, IL, May 1975.
- N. F. Schneidewind, "Structure and Error Detection in Computer Software," with G. Bradley and G. Howard, AIEE National Conference, Washington, D. C., May 1975.
- N. F. Schneidewind, "Simulation of Error Detection in Computer Programs," Symposium on the Simulation of Computer Systems, Sponsored by National Bureau of Standards and the ACM, Boulder, Colorado, August 1975.
- N. F. Schneidewind, "Analysis of Computer Performance in Multi-Programmed Processing," Computer Performance Users Group Meeting, Oklahoma City, September 1975.
- N. F. Schneidewind, "Program Structures, Complexity and Error Characteristics," Microwave Research Institute Symposium on Computer Software Engineering, New York City, April 1976.
- N. F. Schneidewind, "Future Directions in Software Quality Assurance," National Computer Conference, New York City, June 1976.
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- G. G. Brown, "A Cost Analysis of Sampling Inspection Under Military Standard 105D," with H. Rutemiller, Naval Research Logistics Quarterly, 20 (1).
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- N. F. Schneidewind, "Analysis of Computer Performance in Multi-programmed Processing," Computer Performance Evaluation, Computer Performance Evaluation Users Group; Proceedings of Ninth, Tenth and Eleventh Meetings, 1974-75, pp. 31-41.
- N. F. Schneidewind, "Structure and Error Detection in Computer Programs," Proceedings of the AIIE National Conference, May 1975, with G. Bradley and G. Howard.

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- N. F. Schneidewind, "The Application of Simulation to the Evaluation of Computer Software," Proceedings of the Computer Performance Evaluation Users Group, Nov., 1976.
- N. F. Schneidewind, "The Use of Simulation in the Evaluation of Software," Computer, IEEE Computer Society, April 1977.
- N. F. Schneidewind, "A Simulation Study of Initiator/Terminator Policy in OS/MVT," with E. Fiegl, Proceedings of the Thirteenth Meeting of Computer Performance Evaluations Users Group, National Bureau of Standards Special Publication 500-18, September 1977.

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- N. F. Schneidewind, "Comparison of Simulator Predicted Operating System Performance with Actual System Performance," (with E. Fiegl), Digest of Papers, Sixteenth IEEE Computer Society International Conference, March 1978.

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- G. G. Brown, "On Random Binary Trees," NPS 55Bw76061, July 1976, 45 pages.
- G. Brown and J. Taylor, "A Table of Lanchester-Clifford-Schlafi Functions," NPS55-77-39, October 1977, 72 pages.
- G. Brown and J. Taylor, "The Liouville-Green Approximation to the Solution of Variable-Coefficient Lanchester-Type Equations of Modern Warfare," NPS55-77-44, December 1977, 21 pages.
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- N. F. Schneidewind, "Analysis of Error Processes in Computer Software," Technical Report NPS-55SS74071, July 1974.
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- J. Antonelli, "Updating the Navy Environmental Protection Data Base to Incorporate a Cost Figure for an Oil Spill," June 1975, (Advisor: M. U. Thomas).
- R. E. Beal, "An Investigation of a Method of Obtaining a Phase Coherence Numeric," 1974, (Advisor: G. A. Rahe).
- R. M. Clautero, "Generalized Approach for Evaluating Data Base Organization and Indexing Methods," 1975, (Advisor: N. F. Schneidewind).
- E. Coulter and D. J. Parker, "Machine Independence - The Problems of Portability," 1974, (Advisor: G. A. Kildall).
- J. W. Cowan, "An Implementation of an Iterative Global Flow Analysis Algorithm," 1974, (Advisor: G. A. Kildall).
- J. C. Davis, II, "Current Alternatives for a Cockpit Calculator for Tactical Aircraft Pilots," 1975 (Advisor: R. Panholzer).
- R. H. Ekstrom and W. H. Reinhardt, "A Microprocessor-based Communications Information System," 1975, (Advisor: V. M. Powers).
- T. J. Giardina, "An Interactive Graphics Approach to the Flight Deck Handling Problem," 1974, (Advisor: G. A. Rahe).
- T. F. Green, "Software Error Detection Model," 1975, (Advisor: N. F. Schneidewind).
- M. Harris, "A Prototype Ring Interface for the NPS Data Communication Ring," 1974, (Advisor: R. H. Brubaker).
- J. A. Hawley, III and W. D. Meyer, "MUNIX, A Multiprocessing Version of UNIX," 1975, (Advisor: B. E. Allen).
- R. C. Hilzer, "NANCEE: An Approach to Barrier Sonobuoy Pattern Optimization," 1974, (Advisor: D. E. Harrison, Jr.)
- C. G. Honour, "A Computer Solution to the Daily Flight Schedule Problem," 1974, (Advisor: U. R. Kodres).
- B. Janov and V. Johns, "All Application Digital Computer Operating System Design and Specification," 1974, (Advisor: G. L. Barksdale, Jr.)

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- R. P. Johnson and J. H. Kirkham, "The System 360 Software Interface for the Naval Postgraduate School Computer Ring System," 1974, (Advisor: G. L. Barksdale, Jr.).
- R. E. Joy, "Implementation of an Adaptive Scheduling Algorithm for the MUNIX Operating System," 1975, (Advisor: G. L. Barksdale, Jr.).
- H. A. Jupin, "The Ballistics Processor a Multiple Processor, Airborne Tactical System," 1975, (Advisor: U. R. Kodres).
- K. Killam, "A GPSS Simulation of a Demand Access Communication System," 1974, (Advisor: G. Howard).
- T. C. Kral, "A Processor Controller for a Hierarchical Process Structured Operating System," 1975, (Advisor: B. E. Allen).
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- R. A. Weitzman, "Pattern Analysis: Stepwise and Structural," Presented at Psychometric Society Meeting at Stanford University, March 1974.
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- R. B. Bower, "An Investigation of the Lifestyle of Coast Guard Enlisted Grade Families Concerned Specifically with Housing Benefits, and Use of Related Coast Guard Programs," 1975, (Advisor: R. A. Weitzman).
- T. M. Nilssen, "U. S. and Norwegian Military Officers' Personality Traits, Attitudes, Values, and Leadership Styles: A Cross-National Comparison," 1975, (Advisors: R. A. Weitzman and J. D. Senger).
- J. F. Anderson and R. W. Cooper, Jr., "Analysis of the Correlation between Psychological Variables and U. S. Navy Officer Promotion," 1976, (Advisors: R. A. Weitzman and J. D. Senger).
- C. A. Millard, "A Factor Analysis of the Behavioral Dimensions of Marine Corps Performance Evaluation," 1976, (Advisor: R. A. Weitzman).
- R. A. Packard, Jr., "Premature Personnel Attrition in the U. S. Marine Corps," 1976, (Advisors: R. A. Weitzman and J. K. Arima).
- J. Q. Jackson, "A Program for the Tailored Selection of Response Patterns," 1976, (Advisor: R. A. Weitzman).
- P. Johnson, "Physician Supply: A Review of the Literature and An Analysis of Physician Supply Functions," Sept. 1974, (Advisors: D. R. Whipple and M. Block).
- W. Mackey and R. Without, "Physician Supply: An Econometric Approach," March 1975, (Advisors: D. R. Whipple and M. Block).
- W. Truesdell and M. Duny, "An Analysis of National Health Planning and Resource Development Act of 1974 and Its Impact on Health Care Delivery," June 1976, (Advisor: D. R. Whipple).

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DEPARTMENT OF ADMINISTRATIVE SCIENCES

MASTER'S THESES DIRECTED (CONT)
(Except as indicated)

- M. Prigmore and H. Crank, "Performance Indices for Military Hospitals," June 1977, (Advisor: D. R. Whipple).
- R. Jones, "An Analysis of the Implications of Decentralization in the Military Health Services System," June 1977, (Advisor: D. R. Whipple).
- M. Roman and W. Brown, "Derivation and Use of Average Costs per Beneficiary as Policy Indicators for Resource Planning," March 1978, (Advisor: D. R. Whipple).

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DEPARTMENT OF ADMINISTRATIVE SCIENCES

BOOKS

- J. W. Creighton, Technology Transfer in Research and Development with A. Jolly. Naval Postgraduate School and Naval Material Command, 1976.
- C. B. Derr, Organization Development in Urban School Systems, Sage Publications, C. Brooklyn Derr, ed., 1974.
- C. K. Eoyang, "Studies on The Effectiveness of Paramedical Usage in Medical Care Delivery," W. C. Giaouque, C. B. Derr, C. Eoyang and R. Harris, in Systems Science in Health Care, edited by A. M. Coblenz and J. R. Walter, Taylor & Francis Ltd., London 1977.
- J. M. Fremgen, Accounting for Managerial Analysis (3rd Edition), Richard D. Irwin, Inc., 1976.
- R. A. McGonigal, "Civilian-Military Racism in the Seventies: The Challenge of Reducing Cultural Differences Through Planned Change" (Chapter 7), in Lovell and Kronenberg: New Civilian-Military Relations, Transaction Books (1974).
- R. A. Weitzman, Statistics: Why and How (A Textbook for Psychologists), 1978 (tentative).

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DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS

- A. F. Andrus, "Concept of an Interactive BALFRAM," with P. Tuan, Proceedings of Pacific Conference on Decision Analysis, 1976.
- D. R. Barr, "Stochastic Implications of Utility Assignments," with F. Richards, Operations Research Society of America, Western Section Meeting, March 7, 1975.
- D. R. Barr, "Statistical Aspects of Lumpability with Applications to Manpower Models," with M. Thomas, Operations Research Society of America and The Institute of Management Sciences Joint National Meeting, April 30, 1975.
- D. R. Barr, "Probability Feedback in the Assessment of Utilities," with F. Richards, American Institute for Decision Sciences, Annual Meetings, Cincinnati, Ohio, November 5, 1975. Full paper in Proceedings of the meeting.
- D. R. Barr, "Some Geometric Characteristics of Markov Chain Lumpability," with M. Thomas, Operations Research Society of America and The Institute of Management Sciences Joint National Meeting, Philadelphia, Pennsylvania, March 31, 1976.
- D. R. Barr, "A Sequential Test Based on Sample Medians," with T. Burnett, Annual Meeting of the American Statistical Association, 1976.
- D. R. Barr, "Statistical Lumpability of a Markov Manpower Model," with M. Thomas, Annual Meetings of the Operations Research Society of America, 1977.
- D. R. Barr, "Characteristics of MOE's in the C3 Setting," with F. Richards, Military Operations Research Symposium, 1977.
- G. H. Bradley, "Bilateral Trade Theory: A Problem in Combinatorial Analysis and Graph Theory," with Ross Starr (Yale University) M.S.S.B. Colloquium on Mathematical Economics, University of California, Berkeley, August 1974.
- G. H. Bradley, "Deterministic Networks," Second Annual Systems Engineering Conference of the American Institute of Industrial Engineers, Minneapolis, Minnesota, November 1974.
- G. H. Bradley, "A Comparison of Storage Structures for Primal Network Codes," with G. Brown and G. Graves, Operations Research Society of America National Meeting, Chicago, May 1975, and invited by Management Science.
- G. H. Bradley, "Structure and Error Detection in Computer Software," with G. T. Howard and N. F. Schneidewind, American Institute of Industrial Engineer's Meeting, Washington, D.C., May 1975.

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CONFERENCE PRESENTATIONS (CONT)

- G. H. Bradley, "Fixed Order Enumeration Methods," Operations Research Society of America National Meeting, Las Vegas, November 1975.
- G. H. Bradley, "Tailoring Primal Network Codes to Classes of Problems with Common Structure," with G. G. Brown and G. Graves, Operations Research Society of America National Meeting, Las Vegas, November 1975.
- G. H. Bradley, "Surrogate Programming Approach to Solution of Large Scale Primal Network Codes," with G. G. Brown and G. Graves, Operations Research Society of America National Meeting, Philadelphia, March 1976.
- G. H. Bradley, "Large Scale Network Optimization," with G. G. Brown and G. Graves, IX International Symposium on Mathematical Programming, Budapest, Hungary, August 1976.
- G. G. Brown, "Approximation of Stochastic Vector Products," with H. Rutenmiller, Operations Research Society of America Meeting, Boston, Spring 1974.
- G. G. Brown, "Matrix Inversion by Block Pivoting," Operations Research Society of America Meeting, San Juan, Fall 1974.
- G. G. Brown, "A Comparison of Storage Structures for Primal Network Codes," with G. Bradley and G. Graves, Operations Research Society of America Meeting, Chicago, Spring 1975.
- G. G. Brown, "A Nonlinear Programming Algorithm Using Higher Order Representations of Highly Nonlinear Problems," Western Operations Research Society of America Meeting, Monterey, Spring 1975.
- G. G. Brown, "Maximum Likelihood Estimation of the Probability of Labor Force Participation When the Dependent Variable is Binary with an Application to the AFDL Population-at-Risk," with H. Rutenmiller and E. Solberg, Western Economics Association, San Diego, 1975.
- G. G. Brown, "An Application of a Nonlinear Integer Programming Algorithm to an Engineering Design Problem," with G. Graves, Operations Research Society of America Meeting, Las Vegas, Fall 1975.
- G. G. Brown, "An Examination of the Effects of the Criterion Functional on Optimal Fire-Support Policies," with J. Taylor, Operations Research Society of America Meeting, Las Vegas, Fall 1975.

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CONFERENCE PRESENTATIONS (CONT)

- G. G. Brown, "Canonical Methods in the Solution of Variable-Coefficient Lanchester-Type Equations of Modern Warfare," with J. Taylor, Operations Research Society of America Meeting, Las Vegas, Fall 1975.
- G. G. Brown, "Tailoring Primal Network Codes to Classes of Problems with Common Structure," with G. Bradley and G. Graves, Operations Research Society of America Meeting, Las Vegas, Fall 1975.
- G. G. Brown, "Large Scale Primal Network Algorithms," with G. Bradley, Western Management Science Institute, University of California, Los Angeles, February 1976.
- G. G. Brown, "Surrogate Programming Approach to Solution of Large Scale Network Problems," with G. Bradley and G. Graves, Operations Research and The Institute of Management Sciences Meeting, Philadelphia, March 1976.
- G. G. Brown, "Network Optimization and Energy Modelling," with G. Bradley, Federal Energy Administration, June 1976.
- G. G. Brown, "Network Optimization and Defense Modelling," with G. Bradley, Center for Naval Analyses, August 1976.
- G. G. Brown, "Optimization and Energy Modelling," with G. Bradley, Federal Energy Administration, September 1976.
- G. G. Brown, "Recent Advances in Network Optimization," University of Missouri, St. Louis, October 1976.
- G. G. Brown, "Extensions of Network Optimization Algorithms," with G. Bradley, Association for Computing Machinery, Houston, November 1976.
- G. G. Brown, "Exploitation of Network Structure in Optimization," with G. Bradley, Texas Instruments, Dallas, November 1976.
- G. G. Brown, "Imbedded Networks in Large Scale Optimization Models," with G. Bradley, Operations Research Society of America and The Institute of Management Sciences Meeting, Miami, November 1976.
- G. G. Brown, "Further Canonical Methods in the Solution of Variable-Coefficient Lanchester-Type Equations of Modern Warfare: A New Definition of Power Lanchester Functions," with J. Taylor, Operations Research Society of America and The Institute of Management Sciences Meeting, Miami, November 1976.

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CONFERENCE PRESENTATIONS (CONT)

- G. G. Brown, "Extensions of Network Optimization Algorithms," with G. Bradley and G. Graves, Operations Research Society of America and The Institute of Management Sciences Meeting, Miami, November 1976.
- G. G. Brown, "Issues in Basis Manipulation - Factorization/Decomposition," Operations Research Society of America and The Institute of Management Sciences Meeting, Miami, November 1976.
- G. G. Brown, "Modelling and Constraints on Force Readiness," Military Operations Research Society, Ft. Eustis, December 1976.
- G. G. Brown, "Large Scale Network Optimization," with G. Bradley, Stanford Operations Research Colloquium, January 1977.
- G. G. Brown, "Use of Simple Algebraic Structures for Implementing Algorithms in Large Scale Mathematical Programming," with G. Graves, American Mathematical Society, Hayward, April 1977.
- G. G. Brown, "Advances in Large Scale Optimization," with G. Bradley and C. Sibre, Operations Research, Stanford, April 1977.
- G. G. Brown, "Applications of Nonlinear Programming," Association for Computing Machinery, Seattle, October 1977.
- G. G. Brown, "Network Models and Logistics Management," National Council on Physical Distribution Management, Los Angeles, October 1977.
- G. G. Brown, "Preprocessing of Large Linear Programs," with G. Bradley and G. Graves, Operations Research Society of America and The Institute of Management Sciences Meeting, Atlanta, November 1977.
- G. G. Brown, "Numerical Determination of the Parity-Condition Parameter for Lanchester-Type Equations of Modern Warfare," with J. Taylor, Operations Research Society of America and The Institute of Management Sciences Meeting, Atlanta, November 1977.
- G. G. Brown, "Use of Elastic Linear Programming," with G. Graves, Operations Research Society of America and The Institute of Management Sciences Meeting, Atlanta, November 1977.
- J. D. Esary, "Reliability Analysis of Phased Missions," Conference on Reliability and Fault Tree Analysis, Berkeley, September 1974.
- J. D. Esary, "The Effect of Modeling Depth on Reliability Prediction for Systems Subject to a Phased Mission Profile," International Conference on Nuclear Systems Reliability Engineering and Risk Assessment, Gatlinburg, Tennessee, June 1977.

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CONFERENCE PRESENTATIONS (CONT)

- D. P. Gaver, "Multitype Multiprogramming: Probability Models and Numerical Procedures," with G. Humfeld, Proceedings of the International Symposium on Computer Performance Modeling, Measurement, and Evaluation, Harvard University, pp. 38-43, March 1976.
- J. K. Hartman, "Heuristics for Global Optimization," ORSA/TIMS Joint National Meeting, Boston, April 1974. Abstract published in ORSA Bulletin, 22, Supplement 1, Spring 1974.
- J. K. Hartman, "Extension of the Grid Linearization Algorithm for Convex Optimization to Nonconvex Nonlinear Programs," ORSA/TIMS Joint National Meeting, Las Vegas, 17-19 November 1975. Abstract published in ORSA Bulletin, 23, Supplement 2, Fall 1975.
- J. K. Hartman, "The Potential for Use of Quantitative Methods in Education and Training Systems Management," COMNAVAIRPAC Educational Systems Management Seminar, Naval Postgraduate School, 12-22 August 1975.
- J. K. Hartman, "A Review of Some Approaches to Global Optimization of Nonconvex Nonlinear Programs," Joint TIMS/ORSA Meeting, San Francisco, 9-11 May 1977.
- G. T. Howard, "Structure and Error Detection in Computer Software," with G. Bradley and N. Schneidewind, American Institute of Industrial Engineers, Washington, D.C., May 21, 1975.
- G. T. Howard, "Program Structure and Error Characteristics," with T. Green, N. Scheneidewind and R. Pariseau, Polytechnic Institute of New York, M.R.I. Symposium on Computer Software Engineering, April 20-22, 1976.
- H. J. Larson, "Econometrics in Systems Analysis," Third Annual Meeting, Systems Analysis, Society of China, Taipei, September 12, 1976.
- P. A. W. Lewis, "Statistical Tests of Some Widely Used and Recently Proposed Uniform Random Number Generators," with G. P. Learmonth. In Proceedings 7th Conference on Computer Science and Statistics, 1974.
- P. A. W. Lewis, "Marked Cluster Point Processes as Models for Earthquake Occurrence," International Geophysics Conference, Cambridge, England, 1974.
- P. A. W. Lewis, "Mixed Moving Average and Autoregressive Gamma Point Processes," Point Process Workshop, London, 1974.
- P. A. W. Lewis, "Mixed Moving Average and Autoregressive Gamma Point Processes," Annual Statistical Societies Meetings, August 1975.

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CONFERENCE PRESENTATIONS (CONT)

- P. A. W. Lewis, "Recent Results in the Generation and Testing of Uniform Random Variates," TIMS Meeting, Kyoto, 1975.
- K. T. Marshall, "Data Bank Retrieval and Confidentiality Problems," Symposium on the Utilization of Organizational Indicator Data (sponsored by ONR), University of Michigan, September 1974. Published in Proceedings.
- K. T. Marshall, "Interactive Manpower Policy Planning Models in the U.S. Navy and Marine Corps," with R. M. Oliver, ORSA/TIMS National Meeting, Puerto Rico, October 1974.
- K. T. Marshall, "Some Optimization Models in Long-Run Manpower Planning," with R. C. Grinold, ORSA/TIMS Meeting, Philadelphia, April 1976.
- K. T. Marshall, "Analysis of Deficits in Discrete Time Resource Allocation Problems with Correlated Supplies and Demands," with F. R. Richards, Fall National Meeting, S.I.A.M., Atlanta, October 1976.
- K. T. Marshall, "Efficient Computation and Long Range Optimization Applications Using a Two-Characteristic Markov-Type Manpower Flow Model," NATO Conference on Manpower Planning, Stresa, Italy, June 1977.
- P. R. Milch, "Life Testing Type Data from Military Experiments," Joint ORSA/TIMS Meeting, Las Vegas, 17-19 November 1975.
- D. E. Neil, "Behavioral Techniques for 'Early Warning' Health Screening Systems," NSF National Conference on Future Directions in Occupational Safety and Health, Columbia, Maryland, May 1974.
- D. E. Neil, "Biorhythms and Industrial Safety," National Safety Council's National Safety Congress, Chicago, October 1974. Published in Congress Proceedings.
- D. E. Neil, "Biological Periodicity and Accidents," Society of Safety Engineers' Meeting, San Jose, June 1975.
- D. E. Neil, "Biological Cycles and Human Performance," Office of Naval Research Brain Mechanisms and Behavior Meeting, Monterey, July 1975.
- D. E. Neil, "Biorhythms - Possible Applications to Flight Safety," International Airline Transport Association - Human Factors Conference, Istanbul, Turkey, November 1975.

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CONFERENCE PRESENTATIONS (CONT)

- S. H. Parry, "An Analysis of Factors Affecting a Tank Commander's Firing Decision Process," Proceedings of Thirteenth Annual U.S. Army Operations Research Symposium, 1974.
- S. H. Parry, "The XM-1 Tank Material Needs Study - An Application of DYN-TACS-X and FAST (Bonder-IUA)," Thirty-Sixth Military Operations Symposium, Quantico, Virginia, 16-18 December 1975.
- S. H. Parry, "An Analysis of Field Artillery Unit Configurations Employing Cannon Launched Guided Projectiles," Proceedings of Fourteenth Annual U.S. Army Operations Research Symposium, 1975.
- S. H. Parry, "A First Cut Method for Evaluating Improvements in Tank Performance Due to Design Changes," Proceedings of Fourteenth Annual U.S. Army Operations Research Symposium, 1975.
- S. H. Parry, "Parameterization of Terrain in Army Combat Analysis," Fifteenth Army Operations Research Symposium, Fort Lee, Virginia.
- S. H. Parry, "A Quantification of Mobility and Agility," Fifteenth Army Operations Research Symposium, Fort Lee, Virginia.
- S. H. Parry, "Cost and Operational Effectiveness Analysis (COEA) Methodology - the XML Tank," Operations Research Society of America - Western Meeting, Los Angeles, September 1976.
- S. H. Parry, "The Use of Simulation in the Acquisition Process of the XML Main Battle Tank," Summer Computer Simulation Conference, Chicago, 18-20 July 1977. Full paper and abstract in conference proceedings.
- S. H. Parry, "The Generation and Use of Parameterized Terrain in Land Combat Simulation," 1977 Winter Simulation Conference, National Bureau of Standards, Gaithersburg, 5-7 December 1977. Full paper and abstract in conference proceedings.
- S. H. Parry, "Scatterable Mines: Evaluation, Deployment and Detection," Sixteenth Army Operations Research Symposium, Fort Lee, Virginia, 1977. Full paper and abstract in conference proceedings.
- S. H. Parry, "Operations Research at the Corps Level: An Analysis of V Corps Major Training Area Operations," Sixteenth Army Operations Research Symposium, Fort Lee, Virginia, 1977. Full paper and abstract in conference proceedings.
- S. H. Parry, "The Effect of Target Vehicle Agility on Tank Gunners," Sixteenth Army Operations Research Symposium, Fort Lee, Virginia, 1977. Full paper and abstract in conference proceedings.

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CONFERENCE PRESENTATIONS (CONT)

- G. K. Poock, "Kirlian Photography as a Medical Diagnostic Tool," Canadian Medical Association, Annual Conference, Toronto, June 1974.
- G. K. Poock, "Current Status of Kirlian Photography Development: Poock-Sparks Cinematography," Ontario Medical Association 95th Annual Meeting, London, Ontario, 5 May 1975.
- G. K. Poock, "High Voltage Motion Picture Photography," New York Academy of Medicine and IKRA Conference, 17 May 1975. (Presented in absentia).
- G. K. Poock, "The Poock-Sparks Technique of Motion Picture Kirlian Photography and a Technique for Quantifying Kirlian Photographs," Invited speech presented in absentia via tape to the 2nd International Conference of the International Association for Psychatronic Research, 1-4 July 1975, Monte Carlo, Monaco.
- G. K. Poock, "High Voltage Photography: Applications and Pitfalls," Fall Conference, Drexel University, Office of Continuing Education and IKRA, Philadelphia, November 1975.
- F. R. Richards, "A Rationale for Selecting a Family of Demand Distributions for Inventory Systems," with M. Thomas, AIIE, New Orleans, May 1974.
- F. R. Richards, "Comments on the Distribution of Inventory Position in a Continuous-Review (s,S) Inventory System," ORSA/TIMS, San Juan, October 1974.
- F. R. Richards, "An Experiment in Teaching Probability to Junior High School Students," Math Conference of Monterey Peninsula Unified School District, Monterey, October 1974.
- F. R. Richards, "Stochastic Implications of Utility Assignments," with D. Barr, ORSA, Monterey, March 1975.
- F. R. Richards, "A Critique of 'An Algorithm for the Dynamic Lot Size Problem with Price Breaks,'" DOD Procurement Research Symposium, USAF Academy, October 1975.
- F. R. Richards, "DELPHI Sessions on Performance Capabilities," Workshop on Systems Effectiveness, Harbor Oil Spill Removal System Development Program, Monterey, November 1975.
- F. R. Richards, "Probability Feedback in the Assessment of Utilities," with D. Barr, AIDS, Cincinnati, November 1975.

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CONFERENCE PRESENTATIONS (CONT)

- F. R. Richards, "Analysis of Deficits in Discrete Time Resource Allocation Problems with Correlated Supplies and Demands," SIAM, Atlanta, October 1976.
- F. R. Richards, "Measures of Effectiveness in Command, Control and Communications," with D. Barr, MORS, Monterey, December 1977.
- R. H. Shudde, "Calculator Overview: What is New and Exciting?," WESCON/77, San Francisco, 19-21 September 1977. Full paper is in conference record.
- R. H. Shudde, "Role of the Handheld Calculator in the Navy," 5th National PROCAL Workshop, Naval Ocean Systems Center, San Diego, 1-4 November 1977.
- M. G. Sovereign, "Results of the Seminar on Acquisition Cost Estimating Models," Proceedings of the Eighth Annual DOD Cost Research Symposium, DCRA Office of the Comptroller of the Navy, Washington, D.C. 20350, pp. 177-182.
- M. G. Sovereign, "Escalation: Why, When and How," with Carl R. Jones, Proceedings of the 4th Annual DOD Procurement Conference, Colorado Springs, Colorado, 16-18 October 1975.
- M. G. Sovereign, "A Conceptual Model for Setting Design-to-Cost Goals," Proceedings of the 36th MORS Symposium, Quantico, Virginia, 17 December 1975, pp. 202-214.
- M. G. Sovereign, "A Proposed Educational Program for Command, Control and Communications," Proceedings of the ARPA Workshop on Decision Information, Tactical Command and Control, Airlie House, Virginia, 22-25 September 1976, pp. 519-530.
- J. G. Taylor, "Fire Distribution in Lanchester Inertial Combat, I: 'Square Law' Attrition of Target Types," Military Applications Section Session, 45th Joint National Meeting, ORSA and Institute of Management Sciences, Boston, 22-24 April 1974. ORSA Bulletin, 22, Suppl. 1, B-139 1974
- J. G. Taylor, "An Examination of Optimal Fire-Support Strategies," with J. E. Ellis, 46th National Meeting of ORSA and the XXI International Meeting of the Institute of Management Sciences, San Juan, Puerto Rico, 16-18 October 1974. ORSA Bulletin, 22, Suppl. 2, B-388 1974
- J. G. Taylor, "Lanchester-Type Models of Warfare," 46th National Meeting of ORSA and the XXI International Meeting of the Institute of Management Sciences, San Juan, Puerto Rico, 16-18 October 1974.

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CONFERENCE PRESENTATIONS (CONT)

- J. G. Taylor, "State-of-the-Art for Quantitative Analysis of Military Tactics," Naval Warfare Research Center, Stanford Research Institute, April 1975.
- J. G. Taylor, "The Force-Ratio Equation for Some Lanchester-Type Models of Warfare," with S. H. Parry, ORSA/TIMS Meeting, Chicago, 30 April-2 May 1975. ORSA Bulletin, 23, Suppl. 1, B-136, 1975.
- J. G. Taylor, Invited tutorial on Lanchester-type Models of Warfare at the 35th Military Operations Research Symposium, Annapolis, Maryland, 1-3 July 1975.
- J. G. Taylor, "Summary of Invited Papers," ONR Fire Support Methodology Workshop, Naval Postgraduate School, 4-7 August 1975.
- J. G. Taylor, "An Examination of the Effect of the Criterion Functional on Optimal Fire-Support Policies," with G. G. Brown, ORSA/TIMS Meeting, Las Vegas, 17-19 November 1975. ORSA Bulletin, 23, Suppl 2, B-329, 1975.
- J. G. Taylor, "Canonical Methods in the Solution of Variable-Coefficient Lanchester-Type Equations of Modern Warfare," with G. G. Brown, ORSA/TIMS Meeting, Las Vegas, 17-19 November 1975. ORSA Bulletin, 23, Suppl. 2, B-384, 1975.
- J. G. Taylor, "A General Theory for Lanchester Combat Models," with C. Comstock, SIAM-SIGNUM 1975 Fall Meeting, San Francisco, 3-5 December 1975.
- J. G. Taylor, "On the Relationship Between the Force Ratio and the Instantaneous Casualty-Exchange Ratio for Some Lanchester-Type Models of Warfare," ORSA/TIMS Meeting, Philadelphia, 31 March-2 April 1976. ORSA Bulletin, 24, Suppl. 1, 121, 1976.
- J. G. Taylor, "Concentration of Forces in Some Lanchester-Type Combat Models," Western Section of ORSA 1976 Meeting, Los Angeles, 16-17 September 1976.
- J. G. Taylor, State-of-the-Art Summary on Lanchester-Type Models of Warfare, Fifteenth Annual U.S. Army Operations Research Symposium, Fort Lee, Virginia, 27-29 October 1976.
- J. G. Taylor, "Further Canonical Methods in the Solution of Variable-Coefficient Lanchester-Type Equations of Modern Warfare: A New Definition of Power Lanchester Functions," with G. G. Brown, ORSA/TIMS Meeting, Miami, 3-5 November 1976. ORSA Bulletin, 24, Suppl. 2, pp. 206-207, 1976.

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CONFERENCE PRESENTATIONS (CONT)

- J. G. Taylor, "Error Bounds for the Lanchester Equations with Variable Coefficients," with C. Comstock, 83rd Annual Meeting of the American Mathematical Society, St. Louis, 26-30 January 1977. Abstract appears in Notices of the American Mathematical Society, 24, No. 1, A-92, 1977.
- J. G. Taylor, "Numerical Determination of the Parity-Condition Parameter for Lanchester-Type Equations of Modern Warfare," with G. G. Brown, ORSA/TIMS Meeting, Atlanta, 7-9 November 1977. ORSA Bulletin, 25, Suppl. 2, p. 224, 1977.
- A. R. Washburn, "Optimal Stopping and the Count-Shoot Scenario," MORS Meeting, Quantico, Virginia, 1974.
- A. R. Washburn, "A Continuous Review Inventory Problem with Random Lead Times," ORSA/TIMS Meeting, Boston, 1974.
- A. R. Washburn, "Search for a Diffusing Target," ORSA/TIMS Meeting, Las Vegas, 1975.
- A. R. Washburn, "Suppression Models in Field Experimentation," with D. Brown, ORSA/TIMS Meeting, Las Vegas, 1975.
- A. R. Washburn, Special Lecture on Decision Theory, 40th MORS, December 1977.

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JOURNAL PUBLICATIONS

- D. R. Barr, "Strong Optimality of the "Shoot-Adjust-Shoot" Strategy," Operations Research, 22, No. 6, pp. 1252-1257 (1974).
- D. R. Barr, "Improved Confidence Bounds Applied to Reliability," with T. Jayachandran, IEEE Transactions on Reliability, R-24, No. 1 (1975).
- D. R. Barr, "Induced Priors in Decision Problems," with R. Richards, The Annals of Statistics, 5, No. 1 (1977).
- D. R. Barr, "An Approximate Test of Markov Chain Lumpability," with M. Thomas, Journal of the American Statistical Association, 72, No. 357 (1977).
- D. R. Barr, "A Nonparametric Analogy of Analysis of Covariance," with T. Burnett, Journal of Educational and Psychological Measurement, 37, No. 1 (1977).
- D. R. Barr, "An Analysis of Earthquake Frequency Data," with R. Shudde, Bulletin of the Seismological Society of America, 67, No. 5 (1977).
- D. R. Barr, "An Eigenvector Condition for Markov Chain Lumpability," with M. Thomas, Operations Research, 25, No. 6 (1977).
- D. R. Barr, "Computation of Kolmogorov-Smirnov Critical Values for Discrete Distributions," with M. Allen, ACM Transactions for Mathematical Software, (to appear in 1978).
- G. H. Bradley, "A Note on the Shape of the Pareto Optimal Surface," with M. Shubik, J. Economic Theory, 8, pp. 530-538 (1974).
- G. H. Bradley, "Coefficient Reduction for Inequalities in 0-1 Variables," with P. Hammer and L. Wolsey, Mathematical Programming, 7, pp. 263-282 (1974).
- G. H. Bradley, "Survey of Deterministic Networks," AIIE Transactions, 7, pp. 222-234 (1975).
- G. H. Bradley, "Design and Implementation of Large Scale Primal Transshipment Algorithms," with G. Brown and G. Graves, "Exceptional Paper," Management Science, 24, pp. 1-34 (1977).
- G. G. Brown, "Tables for Determining Expected Cost Per Unit Under MIL-STD-105D Single Sampling Schemes," with H. Rutenmiller, AIIE Transactions, 6, pp. 135-142 (1974).
- G. G. Brown, "A Note on Numerical Maximum Likelihood Estimation of Parameters of the Weibull Distribution," IEEE Transactions on Reliability, R-24, pp. 158-159 (1975).

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- G. G. Brown, "An Analysis of the Long Range Operating Characteristics of the MIL-STD-105D Sampling Scheme and Some Suggested Modifications," with H. Rutemiller, Naval Research Logistics Quarterly, 22, pp. 667-679 (1975).
- G. G. Brown, "Canonical Methods in the Solution of Variable-Coefficient Lanchester-Type Equations of Modern Warfare," with J. Taylor, Operations Research, 24, pp. 44-69 (1976).
- G. G. Brown, "Design and Implementation of Large Scale Primal Transshipment Algorithms," with G. Bradley and G. Graves, "Exceptional Paper," Management Science, 24, 1, pp. 1-34 (1977).
- G. G. Brown, "Means and Variances of Stochastic Vector Products with Applications to Random Linear Models," with H. Rutemiller, Management Science, 24, 2, pp. 210-216 (1977).
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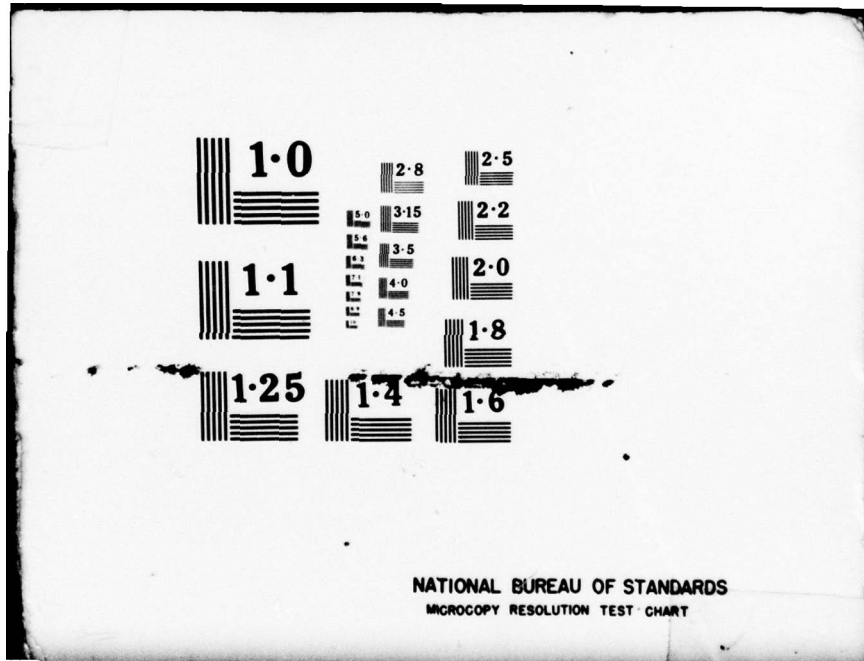
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- W. Daeschner, "Models for Multi-Item Inventory Systems with Constraints," June 1975, (Advisor: F. R. Richards).

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- A. Fleming, "An Approach to Point-of-Sale System Acquisition Cost-Benefit Analysis," September 1975, (Advisor: F. R. Richards).
- E. Fincke, "Predicting Aircraft Equipment Removals During Initial Provisioning Period," September 1975, (Advisor: F. R. Richards).
- R. Renner, "Provisioning an Aircraft Weapons System," September 1975, (Advisor: F. R. Richards).
- M. Jee, "Developing Mathematical Models for Preliminary Internal Control Evaluation of Inventory Systems in Auditing," December 1975, (Advisor: F. R. Richards).
- M. Johannsen, "Analysis of the Electro-Optical Acquisition Mode of the Soviet SA-3 SAM System," March 1976, (Advisor: F. R. Richards).
- T. Quinn, D. McCarthy and W. James, "An Analysis of Unplanned Requirements and their Impact on the Naval Electronic Systems Command," 1976, (Advisor: F. R. Richards).
- R. Sullivan, "Developing a Measure of Marine Corps Recruiting Effectiveness," June 1976, (Advisor: F. R. Richards).
- B. W. Choi, "Operational Availability with Limited Spares Support," March 1977, (Advisor: F. R. Richards).
- Y. W. Lee, "An Application of CP/CMS to Time Series Analysis," March 1977, (Advisor: F. R. Richards).
- R. Madel, "A Performance Prediction Model for the Improved Point Defense System," March 1977, (Advisor: F. R. Richards).
- K. Lippert, "An Analysis of the Ships Parts Control Center Inventory Model and a Possible Alternative," June 1977, (Advisor: F. R. Richards).
- R. Mosher, "G-S-E Management and Funding," June 1977, (Advisor: F. R. Richards).
- P. Jacobs, "The U.S. Navy Has Again Lost Control of the Sea to the Mine," September 1977, (Advisor: F. R. Richards).
- T. Daniels, "An Experimentation Methodology for the Evaluation of a Command, Control and Communications Technology," December 1977, (Advisor: F. R. Richards).
- Y. R. Anderson, "Bayesian Decision Theory in Variables Sampling for Quality Control," 1977, (Advisor: B. O. Shubert).

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- C. W. Chang, "Single-Channel Prediction for Earth Tidal Tilt Data," March 1975, (Co-advisor: R. H. Shudde).
- R. C. Foos, "Modeling an Input-Output Geokinetic System Utilizing a Finite Element Approach," March 1975, (Co-advisor: R. H. Shudde).
- R. L. Keller, "Amplitude and Phase Analysis of Earth Tide Records Across the San Andreas Fault," March 1975, (Co-advisor: R. H. Shudde).
- H. R. Kruse and H. A. Burkett, "Investigation of Card Programmable and Chip Programmable Pocket Calculators and Calculator Systems for Use at Naval Postgraduate School and in the Naval Establishment," March 1977, (Co-advisor: R. H. Shudde).
- L. D. Madden, "POCKET-PROLOSS. Programs and Models for the Computation of Acoustic Transmission Loss on Hand-Held Calculators," March 1977, (Advisor: R. H. Shudde).
- R. L. Jordon, "The Requirements Determination Process for Major Naval Weapons Systems: A Procedural Analysis, 1974, (Advisor: M. G. Sovereign).
- H. R. Feeser, "The Patrol Frigate Combat System Land-Based Test Site," 1974, (Advisor: M. G. Sovereign).
- M. G. Merchant, "The Development of the SPS-49 Radar: A Managerial Analysis," 1974, (Advisor: M. G. Sovereign).
- R. Branam, "Cost-Effectiveness of a Nuclear-Powered Surface Effect Ship," 1974, (Advisor: M. G. Sovereign).
- T. Bowler, "An Investigation of Non-Parametric Techniques for the Patrol Frigate Operational Test and Evaluation," 1974, (Advisor: M. G. Sovereign).
- A. Burns, "Escalation Provisions for Navy Contracts," 1974, (Advisor: M. G. Sovereign).
- P. Bloch, "The Role of Information in Aircraft Attacks on Soviet Surface Combatants," 1975, (Advisor: M. G. Sovereign).
- H. A. Levien and W. G. Pruett, "Comparative Costs and Operation, Effectiveness Analysis of Strategic Subsurface Ocean Surveillance with DELTA, DROPLINE and MSS Systems," 1975, (Advisor: M. G. Sovereign).

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- G. W. Schnurrrpuseh, "Analysis of High-Low Strategic Submarine Force Mixes for the 1990's," 1975, (Advisor: M. G. Sovereign).
- D. D. Polk and J. E. Smith, "Evaluation of Vehicle Performance in Coast Guard Search and Rescue," 1975, (Advisor: M. G. Sovereign).
- S. R. Olson, "A Computer Model to Assess Financing Provisions of Naval FPIF Shipbuilding Contracts," 1975, (Advisor: M. G. Sovereign).
- D. D. Geismar, "Composition of Material Price Indices for Naval Ship Contract Escalation," 1975, (Advisor: M. G. Sovereign).
- K. J. Chen, "Resource Management Policy for Non-Combat Vehicles for the Armed Forces of the Republic of China," 1975, (Advisor: M. G. Sovereign).
- J. P. Virtue, "A Performance-Risk Model of Proposed New KA-6B Jammers," 1975, (Advisor: M. G. Sovereign).
- J. V. Hoekstre, "A Validation of the Curriculum for Educating Defense Systems Analysis at the Naval Postgraduate School," 1975, (Advisor: M. G. Sovereign).
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- J. C. Cook and S. E. Robbins, "A Look at LAMPS: Past, Present and Future," 1975, (Advisor: M. G. Sovereign).
- B. M. Holdt, "Analysis of U.S. Amphibious Force Response Capability in the Mid-Range," 1976, (Advisor: M. G. Sovereign).
- L. Spenser, "A Comparison of Operations and Support Cost Models for Aircraft," 1976, (Advisor: M. G. Sovereign).
- T. Miller, "Validation of a Contractor Cost Model," 1976, (Advisor: M. G. Sovereign).
- C. P. Han, "Alternative Calculations for Learning Curve Slopes of Fighter Aircraft," 1976, (Advisor: M. G. Sovereign).
- P. R. Gorman, "Composition of Material Price Indices for O&MN Budgetary Account," 1976, (Advisor: M. G. Sovereign).
- E. Alvarez, Jr., "Analysis of a Long-Range Environmental Forecasting Model," 1976, (Advisor: M. G. Sovereign).

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- G. A. Bush, "Guided Missile Frigate Combat System Land-Based Test Site Lessons Learned," 1976, (Advisor: M. G. Sovereign).
- M. E. House, "A Normative View of the Pre-Overhaul Planning Process," 1976, (Advisor: M. G. Sovereign).
- J. S. Keenan, "Possibilities for a Mobile Ocean Base for Logistic Support of Future Deployed Navy Units," 1976, (Advisor: M. G. Sovereign).
- K. D. Davis, "Systems Dynamics Approach to Aircraft Cost/Readiness Analysis: A Feasibility Study," 1977, (Advisor: M. G. Sovereign).
- G. C. Grigsby, "An Analysis of Maintenance Factors on Selected U.S. Navy Ships," 1977, (Advisor: M. G. Sovereign).
- B. Barr, "Techniques for Including Suppressive Effects in Lanchester-Type Combat Models," March 1974, (Advisor: J. G. Taylor).
- J. L. Ellis, "A Problem of Allocation of Supporting Fire in Combat as a Zero-Sum Differential Game," March 1974, (Advisor: J. G. Taylor).
- D. R. E. Hale, "The Selection of Measures of Effectiveness for Small Arms Experiments," March 1974, (Advisor: J. G. Taylor).
- M. L. Mulhern, "Ordering in a Sequential Storage System," March 1974, (Advisor: J. G. Taylor).
- M. D. Selvitelle, "Concerning Visual Detection of Moving Personnel Targets," March 1974, (Advisor: J. G. Taylor).
- M. Oh, "Optimal Time-Sequential Distribution of Supporting Fire Against Two Enemy Ground Units," September 1974, (Advisor: J. G. Taylor).
- W. P. Hannah, "Further Comparison of Stochastic and Deterministic Models for the Optimal Control of Lanchester-Type Attrition Processes," September 1974, (Advisor: J. G. Taylor).
- F. E. Hartman, "An Investigation of Field Artillery Techniques and Fire Support Decisions," September 1974, (Advisor: J. G. Taylor).
- R. J. Hill III, "Further Examination of Optimal Fire Support Strategies," September 1974, (Advisor: J. G. Taylor).
- L. M. Pigue, "A Proposed Target Acquisition and Information Model," September 1974, (Advisor: J. G. Taylor).

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- F. G. Zophy, "Methodology for the Evaluation of Air Defense System Effectiveness," March 1975, (Advisor: J. G. Taylor).
- J. D. Craig, "The Effect of Uncertainty of Lanchester-Type Equations of Combat," September 1975, (Advisor: J. G. Taylor).
- D. W. Brewer, "A Parametric Analysis of the Dismounted Final Assault," March 1976, (Advisor: J. G. Taylor).
- J. N. Carpenter, "A Numerical Evaluation of the Liouville-Green Approximation for Variable-Coefficient Lanchester-Type Equations of Modern Warfare," March 1976, (Advisor: J. G. Taylor).
- B. G. Baskerville, "The Significant Parameters Affecting the Modelling of Target Acquisition of Ground Combat Targets from Tactical Helicopters," June 1976, (Advisor: J. G. Taylor).
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- P. J. Bross, "Congestion Problems in Field Artillery Operations," September 1976, (Advisor: J. G. Taylor).
- H. H. Mauerer, "Design Considerations for Lanchester-Type Models of Warfare (LATMW)," September 1976, (Advisor: J. G. Taylor).
- F. G. Banis, "Modeling of the Non-Integral FEBA," June 1977, (Advisor: J. G. Taylor).
- M. E. Lowe, "Rationale for Evaluating Tactical Exercise Control Systems," September 1977, (Advisor: J. G. Taylor).
- P. Padua, "Mathematical Model for Small Arms Fire Against Low-Flying Aircraft," 1976, (Advisor: J. B. Tysver).
- L. Long and A. Beurlein, "An EHF and Laser Intersatellite Communication Link Comparison and Selection Methodology," 1974, (Advisor: A. R. Washburn).

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- M. Braga, "An Introduction to Search Theory," 1974, (Advisor: A. R. Washburn).
- S. Arlett and W. Roberts, "Ship-to-Shore Secure Voice Communications," 1974, (Advisor: A. R. Washburn).
- J. Stuart, "Optimal Evasive Trajectories of an Isotopic Acoustic Radiator," 1975, (Advisor: A. R. Washburn).
- R. Kern and R. Rish, "A Critical Review of Acoustic Transients and Their Effect on Probability of Detection," 1975, (Advisor: A. R. Washburn).
- E. Trahan, "Target Motion Analysis and the Evasive Submarine," 1976, (Advisor: A. R. Washburn).
- D. Bouchoux, "A Proposed Solution to the Three Step Discrete Evader Pursuer Game," 1976, (Advisor: A. R. Washburn).
- D. Staley, "Surface Escort Countermeasures to High Performance Acoustic Torpedoes," 1976, (Advisor: A. R. Washburn).
- K. Green, "An Antisubmarine Warfare Board Game," 1977, (Advisor: A. R. Washburn).
- C. E. Laidlaw, "The Effect of Search Radius on Search Efficiency When the Targets Must be Visited," 1977, (Advisor: A. R. Washburn).
- A. Mjelde, "A Homing Torpedo. The Effect of the Tactical Situation on the Torpedo Parameters on the Torpedo Effectiveness," 1977, (Advisor: A. R. Washburn).
- D. Kengla, "A CV Task Force Sonobuoy Evaluation Model," 1977, (Advisor: A. R. Washburn).
- B. Lehmann and D. Harrison, "Missile Employment from Fast Patrol Boats. Computer Based Analysis of the Search Sector Parameters," 1977, (Advisor: A. R. Washburn).

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- G. H. Bradley, "GNET (A Computer Program for Solution of Capacitated Pure Network Problems)," with G. Brown and G. Graves, Copyright 1975, 1977.
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- M. G. Sovereign, Quantitative Models for Production Management, International Series in Management, with H. J. Zimmerman, Prentice-Hall, 1974.
- P. W. Zehna, Introductory Statistics, Prindle, Weber & Schmidt, Inc., 1974.

NAVAL POSTGRADUATE SCHOOL
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DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONFERENCE PRESENTATIONS

- J. W. Amos, II, "Israel's Military and Diplomatic Objectives at the Geneva Conference." Delivered at the annual meeting of the Western Political Science Association, Phoenix, Arizona, 1977.
- D. P. Burke, "Statistical Analysis of Foreign Mass Media Content," presented to the Seminar on Computer Applications, Department of Defense Computer Institute, Washington, D.C., January 1975.
- D. P. Burke, "The Genesis of Strategic Bombing, 1914-1939," presented to members of the Military Studies Program, University of Victoria, British Columbia, Canada.
- D. P. Burke, "The Politics of Canadian Armed Forces Unification," paper presented at the biennial meeting of the Association for Canadian Studies in the United States, Burlington, Vermont, 18 October 1977.
- D. P. Burke, organized panel on defense policy for the biennial meeting of the Association for Canadian Studies in the United States, 17-18 October 1977.
- D. P. Burke, "The Transplantation of Ulster: Irish Ideology and English-French Conflict in Canada," paper presented at the annual meeting of the Western Political Science Association, Los Angeles, California, 17 March 1978.
- D. C. Daniel, "The Gorshkov Papers and Beyond," International Studies Association Convention, Washington, D.C., 20 February 1975.
- D. C. Daniel, "Naval Presence and National Interests: The Case of the United States Navy in the Indian Ocean." Presented at Western Political Science Association Convention, Seattle, Washington, 20 March 1975.
- D. C. Daniel, chaired a general session panel on "Treaty and Legal Constraints on the U.S. Military," Military Operations Research Society Meeting, Fort Eustes, VA, 7 December 1976.

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CONFERENCE PRESENTATIONS (CONT)

- D. C. Daniel, "Concern for U.S. Sea Lines of Communications in Peacetime: Technical and Political Dimensions," presented at the Western Political Science Association Convention, Phoenix, Arizona, 31 March 1977.
- D. C. Daniel, "Trends in Soviet Naval Exercises," presented at Dalhousie Conference on Soviet Naval Developments, Carnegie Endowment for International Peace, Washington, D.C., 22 June 1977.
- D. C. Daniel, organized and chaired a conference on "Perceptions of the Superpower Military Balances," Naval Postgraduate School, Monterey, CA, 9 December 1977.
- S. Jurika, "Japan and Zero Population Growth," International Conference on Resources and Population, Ateneo de Manila University, February 1976.
- S. Jurika, "The Vietnam Experience: An Overview," Bay Area Political Science Association, University of San Francisco, Annual Meeting, 1976.
- E. J. Laurance, panel chairman, "Patterns, Purposes and Effects of Conventional Arms Transfers to Less Developed States." Annual Meeting of the International Studies Association, Washington, 22 February 1975.
- E. J. Laurance, "Arms Transfers and Influence in Latin America: 1961-1973." Paper presented at the Annual meeting of the International Studies Association, Toronto, 28 February 1976.
- E. J. Laurance, "Understanding Arms Transfers Through Data Analysis." Paper presented with Ronald G. Sherwin at International Security Studies Conference. Fletcher School of Law and Diplomacy, Boston, MA, May 1976.
- E. J. Laurance, "The Changing Nature of Conventional Arms Transfers: Implications for U.S. National Security Planning and Policy Research." Paper presented to the Senior Conference on Arms Transfers, USMA, West Point, New York, June 1976.
- E. J. Laurance, "The International Transfer of Conventional Arms: Problems of Measurement and Conceptualization." Paper presented to the Midwest Political Science Association annual meeting, Chicago, April 1977.

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- E. J. Laurance, "The Congressional Role in Conventional Arms Transfers." Paper presented at the annual meeting of the International Studies Association, February 1978.
- R. H. Magnus, discussant, "Alternative Perspectives on Class and Conflict in the Middle East." Ninth Annual Meeting, The Middle East Studies Association, Louisville, Kentucky, 20-22 November 1975.
- R. H. Magnus, discussant, "Educational Policy in Iran." Tenth Annual Meeting, The Middle East Studies Association, Los Angeles, 10-13 November 1976.
- R. H. Magnus, "Iranian Oil Policy: A System of Analysis," presented at the Tenth Annual Meeting, The Middle East Studies Association, Los Angeles, 10-13 November 1976.
- B. M. Schutz, discussant, "Teaching African Politics in Universities and Colleges," Western Social Science Association Meeting, Denver, May 1975.
- B. M. Schutz, "The Rhodesian Forces: A Different Kind of Animal?" presented at the African Studies Association Meeting, Chicago, November 1975.
- B. M. Schutz, "African Troops and White Mercenaries: Achilles Heels of the Rhodesian Military," at African Responses to European Colonialism: An International Conference held at California State University, Northridge, CA, January 1976.
- B. M. Schutz, "Conflict and Change in Southern Africa," at a Seminar of the Research Institute on International Change, Columbia University (Z. Brzezinski then Director), September 1976.
- B. M. Schutz, discussant, "Roundtable on Rhodesia," at African Studies Association Meeting, Boston, October 1976.
- B. M. Schutz, co-authored a paper, "Leadership Change, Political Mobilization and Conflict: Northern Ireland and Rhodesia," at Western Political Science Association Meeting, Phoenix, AZ, March 1977 (with Douglas Scott of The RAND Corp.).

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CONFERENCE PRESENTATIONS (CONT)

- B. M. Schutz, "International Security Problems of East Africa and The Indian Ocean," at Naval Reserve Volunteer Training Unit Indian Ocean Seminar, Treasure Island, San Francisco, August 1977.
- B. M. Schutz, "U.S. Foreign Policy and National Liberation Movements: The Southern African Dilemma," as guest speaker at San Jose State University Pi Sigma Alpha (National Political Science Honorary) Annual Banquet, May 1977.
- B. M. Schutz, "An Inquiry Into Zimbabwe's Continuing Dependency on South Africa," at International Studies Association Meeting, Washington, D.C., February 1978.
- B. M. Schutz, "Regime Change in Zimbabwe and Its Impact on The Southern African Regional System," at The U.S. Army International Military Assistance School, Fort Bragg, North Carolina, 28 February 1978.
- B. M. Schutz, "Migration and The Genesis of Societal Cleavages: Critical Factors in The Political Demography of Britain, Ireland, and Southern Africa," (co-authored with Douglas Scott) at Western Political Science Association Meeting, Los Angeles, March 1978.
- R. G. Sherwin, "Rethinking the Prospect for a General Theory of the International System: The Confessions of a Born-Again Traditionalist," presented to International Studies Association, February 1978, Washington, D.C.
- R. H. Stolfi, chaired a panel on Arms Transfers at the annual meeting of the International Studies Association in Washington, D.C., 21-22 February 1975.
- R. H. Stolfi, "Influence Over the Use of Violence Gained Through Arms Transfer to Developing States," at annual meeting of the American Political Science Association, September 1975.
- J. Valenta, "Reflections on Soviet Foreign Policy Decisionmaking," American Association for the Advancement of Slavic Studies, Washington, D.C., 9 May 1975.
- J. Valenta, "Soviet Perceptions of the Third World," CAIS Conference, University of Miami, 26-27 January 1976.

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CONFERENCE PRESENTATIONS (CONT)

- J. Valenta, "Soviet Intervention in Angola," congressional senior staff seminar sponsored by the Center for Strategic and International Studies, 23-24 February 1975.
- J. Valenta, "Nationalities and Nationalism in the USSR," participant and contributor, Center for Strategic and International Studies, Georgetown University, Washington, D.C., 20 October 1976.
- J. Valenta, "The Collective Leadership and Succession in the USSR," Fifteenth Annual Southern Conference on Slavic Studies, University of Virginia, 21-23 October 1976.
- J. Valenta, "Soviet Intervention in Angola," staff meeting of the RAND Corporation, 16 February 1977.
- J. Valenta, participant, "The Soviet Threat: A Critical Assessment," sponsored by the Center for Arms Control and International Security and the Center for the Study of Democratic Institutions, Santa Barbara, 25-26 February 1977.
- J. Valenta, participant, "Eurocommunism and United States Foreign Policy," sponsored by the California Seminar on Arms Control and Foreign Policy, La Jolla, CA, 15-16 April 1977.
- J. Valenta, "Bureaucratic Politics and Soviet Foreign Policy," 1977 Annual Convention of the American Association for the Advancement of Slavic Studies, Washington, D.C., 16 October 1977.
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- J. Valenta, "The USSR and Eurocommunism," Inter-University Research Colloquium on the Soviet Union and Eastern Europe, the Institute for Sino-Soviet Studies, George Washington University, 11 April 1978.

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P. C. C. Wang, "Graphical Representation of Multivariate Data Techniques and Applications in Africa," to appear in the Proceedings of the Symposium on Graphical Representation of Multivariate Data, held February 1978 (approx. 60 pages).

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DEPARTMENT OF METEOROLOGY

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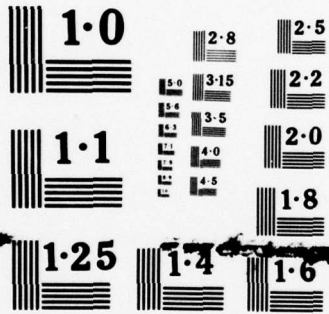
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Sept 76

R. G. Kelley, Jr., "A Finite Element Prediction Model with Variable Element Sizes," (R. T. Williams).

Dec 76

N. T. Camp, "The Role of Strong Atmospheric Forcing Events in the Modification of the Upper Ocean Thermal Structure During the Cooling Season," Ph.D. (R. L. Elsberry).

B. Holt, Jr., "Some Observations of Oceanic Thermal Response to Typhoon Passage," (R. L. Elsberry).

March 77

J. L. Hayes, "Numerical Simulation of Air Flow over Mountains," (R. T. Williams)

E. Mass, Jr., "Composite Analysis of Easterly Waves in the Tropical Pacific during Two Contrasting Periods of Sea-Surface Temperature Anomalies," (C.-P. Chang).

R. H. Paine, "Results from Coincident Shipboard Kiteborne and Aircraft Optical Measurements," (K. L. Davidson).

G. W. Schwenke, "Numerical Modeling of the Evolution of Monsoon Circulation along 80°E," (R. T. Williams and C.-P. Chang).

June 1977

G. H. Berry, "The Relationship between FNWC Surface Wind Analysis and NOAA/NESS GOSSTCOMP (SST) Data in the Eastern South Pacific," (R. L. Haney).

R. H. Godin, "An Investigation of Synoptic and Associated Mesoscale Patterns Leading to Significant Weather Days at McMurdo, Antarctica," (R. J. Renard).

C. B. Ihli, Jr., "The Use of DMSP and SMS-2 Digital Satellite Data for Identifying Marine Fog in the Eastern North Pacific Ocean Area," (R. J. Renard).

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June 1977 (Cont)

- O. M. Lubeck, "Divergent Initialization Using a Global Primitive Equation Spectral Model," (R. T. Williams).
- V. Macias, "An Investigation of Electro-Optical Turbulence Parameters," (K. L. Davidson).
- D. S. Nicklin, "A Statistical Analysis of Western Pacific Tropical Cyclone Forecast Errors," (van der Bijl).
- W. L. Patterson, "A Numerical Experiment of the Development of the Zonally Symmetric Northern Summer Monsoon," (C.-P. Chang).
- S. D. Raney, "Characteristics of Atmospheric Forcing Functions," (R. L. Elsberry).
- J. D. Shewchuk, "Development of a Biasing Scheme to Improve Initial Dynamical Model Forecasts of Tropical Cyclone Motion," (R. L. Elsberry).
- J. P. Tupaz, "A Numerical Study of Barotropic Instability of a Zonally Varying Easterly Jet," Ph. D., (R. T. Williams and C.-P. Chang).
- B. L. Van Orman, "Statistical Diagnostic Modeling Of Marine Fog Using Model Output Parameters," (R. J. Renard).

Sept 1977

- J. H. Corbin, "Measurement of Near Sea Surface Turbulence and Possible Wave Influence," (K. L. Davidson).
- D. M. Delaney, "A Composite Satellite Study of the 1972-73 Easterly Waves in the Tropical Western Pacific," (C.-P. Chang).
- W. F. Johnson, "Upper Ocean Thermal Structure Forecast Evolution of a Model Using Synoptic Data," (R. L. Elsberry).
- M. G. Salinas, "Evaluation of the Sensors on the Prototype Automatic Weather Station Platform in the Antarctic," (R. J. Renard).
- S. M. Schrobo, "Numerical Simulation of Flow over Mountains Using a Channeled and Nested Grid Model," (R. L. Elsberry).

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Dec 77

- D. J. Beprestis, "Structure of Synoptic-Scale Waves in the Tropical Pacific during 1974-76," (C.-P. Chang).
- G. C. Heise, "A Statistical Study of Synoptic Storm Activity Over the North Pacific in 1975," (R. L. Haney)
- W. S. Shiver, "Dynamical, Numerical Modeling of Large Scale Thermal Anomalies in the North Pacific Ocean (R. L. Haney).
- A. Simonicic, "A Comparative Study of the Coastal Marine Aerosol," (K. L. Davidson).

March 1978

- M. S. Foster, "Evaluation of the Airborne Research Data System (ARDS) for Antarctic Meteorological Applications (R. J. Renard).
- V. Looft, "Composite Study of Tropical Waves Using Satellite Radiation Data," (C.-P. Chang).
- R. A. Paulus, "Salinity Effects on an Oceanic Mixed Layer Model," (R. L. Elsberry).

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- R. E. Ball, "Some Structural Problems in Gun-Launched Rocket Motors," with D. Salinas, JANNAF Operational Serviceability and Structures and Mechanical Behavior Working Groups--1974, Combined Annual Meeting, Naval Postgraduate School, Monterey, California, CPIA Publication No. 253.
- R. E. Ball, "SATANS - A Code for the Geometrically Nonlinear Static and Dynamic Analysis of Arbitrarily Loaded Shells of Revolution," International Symposium on Structural Mechanics Software, University of Maryland, June 1974, University of Maryland Technical Report No. AE75-3, April 1975.
- R. E. Ball, "Response of a Cylindrical Fluid Container to Seismic Motion," Joint Petroleum Mechanical Engineering and Pressure Vessels and Piping Conference, ASME, Mexico City, September 1976, preprint 76-pvp-28 with R. L. Citerley and W. C. Gibson.
- R. E. Ball and S. L. Fahrenkrog, "Crack Damage in Fluid-Containing Tanks Due to Ballistic Penetrators," Hydrodynamic Ram Seminar Wright-Patterson AFB, October 1976, Technical Report AFFDL-TR-77-32.
- R. E. Ball, "Structural Response of Fluid-Containing Tanks to Penetrating Projectiles," Hydrodynamic Ram Seminar, Wright-Patterson AFB, October 1976, Technical Report AFFDL-TR-77-32.
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- R. E. Ball, "Transient Response of Fluid-Backed Plates - A Comparison of Piston Theory and NASTRAN Solutions," 15th Mid-western Mechanics Conference, March 1977, Conference proceedings contains only abstracts.
- O. Biblarz, "Voltage Profiles in the Vicinity of Non-Emitting Electrodes," 14th MHD Symposium, University of Tennessee Space Institute, April 1974, with R. C. Dolson.
- O. Biblarz, "Stabilization of a Medium Pressure Discharge by Turbulent Flows," 27th Annual Gaseous Electronics Conference, Houston, Texas, October 1974, with J. L. Aunchman.
- O. Biblarz, "Influence of Gas Turbulence on Discharge Instability," 27th Annual Gaseous Electronics Conference, Houston, Texas, October 1974.

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- O. Biblarz, "Numerical Results of Thermal Blooming in Transonic Slewing," 27th Annual Meeting of the APS Division of Fluid Dynamics, Cal-Tech, Pasadena, CA, November 1974, with F. Carey, H. Burden, A. Fuhs.
- O. Biblarz, "A Computer Analysis of the MHD-Sheath Plasma Drop," 1976 IEEE International Conference on Plasma Science, Austin, Texas, May 1976, with R. C. Dolson.
- O. Biblarz, "Phase Plane Analysis of Transonic Flows," AIAA 9th Fluid and Plasma Dynamics Conference, San Diego, California, July 1976.
- O. Biblarz, "Gas Dynamic Effects on Diffuse Electrical Discharges in Air," 19th Israel Annual Conference on Aviation and Astronautics, Haifa, Israel, March 1977, with J. L. Barto and H. A. Post.
- O. Biblarz, "Stabilization of Glow Discharges by Supersonic Flows," 30th Annual Gaseous Electronics Conference, Palo Alto, California, October 1977, with E. Wassertrom and Y. Crispin.
- O. Biblarz, "Electrogasdynamics Spectral Anemometer," Symposium on Electrohydrodynamics, Colorado State University, Fort Collins, Colorado, January 1978
- D. J. Collins, "Holographic Interferometry," International Workshop on Three-Dimensional Image Reconstruction Techniques, Brookhaven National Laboratory, invited lecturer, July 1974.
- D. J. Collins, "Mathematical Foundations of Three-Dimensional Reconstruction Techniques," discussion and written by D. J. Collins at Workshop.
- T. H. Gawain, "Three Dimensional Instability in Simple Poiseuille Flow," Naval Postgraduate School, 1974.
- D. M. Layton, "The Effects of Bow Seal Shape on the Performance of a Captured Air Bubble Surface Effect Ship," 3rd Advanced Marine Vehicles Conferences, Arlington, VA, September 20-26, 1976. Full paper in Conference Proceedings.
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- D. W. Netzer, "An Investigation of the Internal Ballistics of Solid Fuel Ramjets," with C. E. Jones, III, and J. T. Phaneuf, 11th JANNAF Combustion Meeting, JPL, Pasadena, CA, 1974.
- D. W. Netzer, "Ammonium Perchlorate and Ammonium Perchlorate-Binder Sandwich Combustion," 12th Aerospace Science Meeting, Washington, DC, January 30 - February 1, 1974.
- D. W. Netzer, "Experimental and Analytical Studies of Solid Fuel Ramjets," Workshop on Modeling Airbreathing Combustors, 11th JANNAF Combustion Meeting, JPL, Pasadena, CA, 9-13 September 1974.
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