

PUBLICATIONS

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PRESENTATIONS

- T. W. Athey (FDA) and H. A. Kues (APL), "Power Absorption at 2450 MHz in the Eye and Brain of a Primate Head Model," 7th Bioelectromagnetics Soc. Meeting, San Francisco (Jun 16-20, 1985).
- C. B. Barger (APL), G. M. Hutchins and G. W. Moore (JHMI), and O. J. Deters, F. F. Mark, and M. H. Friedman (APL), "Geometric Parameters of Human Aortic Bifurcations: A Basis for the Evaluation of Geometric Risk Factors," 10th Hugh Lofthland Conf. on Arterial Wall Metabolism, Boston (May 15-18, 1985).
- J. N. Campbell (JHMI) and R. A. Meyer (APL), "Painful Sequelae of Peripheral Nerve Injury," Seminar, Yale University School of Medicine (Jun 15, 1985).
- R. W. Flower, "Biology of a Developing Vasculature," Seminar, Lennox Hill Hospital Ophthalmology, New York (Apr 2, 1985).
- R. W. Flower, "The History of and Techniques for Performing Clinical Choroidal Angiography," 6th International Congress of Eye Research, Alicante, Spain (Oct 1-7, 1984).
- M. H. Friedman, "Fluid Shear, Vascular Geometry, and Atherosclerosis," Visiting Lecture Series, University of Houston (Feb 21, 1985).
- R. R. Guenther (APL) and D. C. Bossard (DC Bossard, Inc.), "Modeling Detection Processes in Discrete Event Campaign Simulations," Joint Meeting, Institute of Management Sciences and Operations Research Society of America, Boston (Apr 29-May 1, 1985).
- L. W. Hunter, L. L. Perini, D. W. Conn, and P. T. Brenza, "A Calculation of Carbon Ablation on a Reentry Body during Supersonic/Subsonic Flight," AIAA 20th Thermophysics Conf., Williamsburg (Jun 19-21, 1985).
- L. G. Knowles (APL) and J. Langan (JHMI), "A New All-Electric Image Storage and Retrieval System for Nuclear Medicine Studies," Seminar, Johns Hopkins University School of Medicine (Feb 7, 1985).
- H. A. Kues (APL) and S. A. D'Anna (JHMI), "Microwaves and the Corneal Endothelium," 44th Clinical Meeting, Wilmer Residents' Association, Baltimore (May 2, 1985).
- G. A. Luty (JHMI), H. A. Kues (APL), and G. R. Dunkelberger S. A. D'Anna (JHMI), "Histopathological Analysis of Primate Corneal Endothelial Lesions Produced by Pulsed Microwaves," 7th Bioelectromagnetics Soc. Meeting, San Francisco (Jun 16-20, 1985).
- R. L. McCally, "Light Scattering and Corneal Structure," Biophysical Soc., Baltimore (Feb 24-28, 1985).
- R. A. Meyer (APL) and J. N. Campbell (JHMI), "The Effects of General Anesthetics on the Peripheral Nervous System," Grand Rounds, Yale University School of Medicine (Jan 16, 1985).
- R. A. Meyer, "Peripheral Neural Basis of Pain Sensation," Seminar, Dept. of Anatomy, M. S. Hershey Medical Center, Pennsylvania State University (Mar 14, 1985).
- K. Moorjani, "Amorphous Materials: Introduction and Overview," International Seminar on Amorphous Materials, Ft. Lauderdale (Feb 13-15, 1985).
- D. K. Pace, "Scenario Development and Evaluation," Scenario/Simulation Seminar, Naval War College, Newport, R.I. (Apr 9, 1985).
- T. O. Poehler and R. S. Potember, "Organometallic and Polymeric Materials for Electronic and Optical Processing," 1985 Joint Hybrid Microelectronics Symp., Freehold, N. J. (Jun 11, 1985).
- D. M. Silver, "Global Climate Effects of Nuclear War," School of Advanced International Studies, The Johns Hopkins University, Washington, D.C. (Apr 10, 1985).
- J. F. Smola, "Propelling AMPTE into Orbit," AIAA/ASME/SAE/ASEE 21st Joint Propulsion Conf., Monterey (Jul 10, 1985).
- M. E. Thomas, "Infrared Absorption by Water Vapor in the Atmosphere," Annual Review Conf. on Atmospheric Transmission Models, Hanscom AFB, Mass. (Jun 4-5, 1985).
- M. E. Vlahos (JHU) and D. K. Pace (APL), "Third World Naval Developments," Military Operations Research Soc., Colorado Springs (Jun 25-27, 1985).
- G. C. Wetsel, "Photothermal Generation of Elastic Waves," Spring Conf., American Society for Nondestructive Testing, Washington, D.C. (Mar 11-14, 1985).

The following papers were presented at the March Meeting of the American Physical Society, Baltimore (Mar 25-29, 1985):

- C. B. Barger, A. N. Jette, and B. H. Nall, "Structure of the A1(110) Surface Determined by Current Image Diffraction (CID)";

- W. A. Bryden and T. O. Poehler, "Nondestructive Testing of Nylon Ropes Using Magnetic Resonance Techniques";
- A. N. Jette and F. J. Adrian (APL) and J. M. Spaeth (Univ. Paderborn), "Theory of Indirect Hyperfine Interactions of Oxygen-Aluminum Defects in Ionic Crystals";
- T. J. Kistenmacher, "Crystallographic Family Tree for (BEDT-TTF)₂X Salts";
- S. W. McKnight (Northeastern Univ.), K. P. Stewart (NASA/Goddard), H. D. Drew (Univ. Maryland), and K. Moorjani (APL), "Wavelength-Independent Anti-Interference Coating for the Far-Infrared";
- K. Moorjani (APL), M. J. Park and S. M. Bhagat (Univ. Maryland), and M. A. Manheimer (Lab. for Physical Sciences), "Spin Resonance in B Based Sputtered Amorphous Films";
- T. Phillips, K. Moorjani, J. C. Murphy, and T. O. Poehler, "The Photoconductive and Photoelectrolytic Properties of Iron-Titanium Oxide Thin Films";
- G. C. Wetsel, Jr., J. C. Murphy, and L. C. Aamodt, "Photothermal-Optical-Beam Deflection Imaging of Stress-Corrosion Cracks."
- J. G. Montanaro, "Development of Guidelines for Employing Aegis Automated Doctrine Statements";
- C. B. Stuckey, "Naval Air Defense."

COLLOQUIA

- May 3, 1985—"Community Response to Massive Exposure to Toxic Gases: Lessons from Bhopal," G. M. Green, The Johns Hopkins University.
- May 10—"How Multidisciplinary Is the Applied Physics Laboratory? Some Answers from the Science Citation Index," E. Garfield, Institute for Scientific Information, Inc.
- May 17—"Technology and National Security," H. Brown, School for Advanced International Studies, The Johns Hopkins University.

The following papers were presented at the 53rd Military Operations Research Society Symposium, Colorado Springs (Jun 25-27, 1985):

- L. R. Gieszl, "Expert Systems for the Warfare Analysis Laboratory";
- R. E. Gingras, "The Warfare Analysis Laboratory";
- L. G. Hereford, "Development of a Campaign Level Model to Support Global War Gaming";