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PRESENTATIONS

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Silver, D. M., Farrell, R. A., and Hart, R. W. (APL), Langham, M. E. (JHMI), O'Brien, V. (APL), and Schilder, P. (JHMI), "Mathematical Analyses of the Intraocular Pressure Pulse and Physical Basis for Obtaining Pulsatile Ocular Blood Flow," 2nd Int. Symp. on the Choroid, Wolfsberg, Switzerland (30 Apr-3 May 1989).

Spicer, J. W. M., Kerns, W. D., Aamodt, L. C., and Murphy, J. C., "Parallel Imaging of Thickness Variations and Disponding of Thermal Barrier Coatings by Time-Resolved Infrared Radiometry (TRIR)," Review of Progress in Quantitative NDE, Brunswick, Me. (24-28 Jul 1989).

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Weiner, J. A., "Statistical Process Control for Test Equipment in a Custom Hybrid Microelectronic Facility," 3rd Annual Joint Symp., Int. Society Hybrid Microelectronics, Atlantic City, N.J. (1-2 Jun 1989).

Williams, D. J., "Why We Need Global Observations," 1989 Crafoord Symp. on Magnetospheric Physics: Achievements and Prospects, Royal Swedish Academy of Sciences, Stockholm, Sweden (28-29 Sep 1989).

The following papers were presented at the 6th Int. Topical Meeting on Photoacoustic and Photothermal Phenomena, Baltimore (31 Jul-3 Aug 1989):

Aamodt, L. C., Spicer, J. W. M., and Murphy, J. C., "The Effect of Transverse Heat

Flow on Time-Resolved Measurements Characterizing Structured Materials."

Aamodt, L. C., Spicer, J. W. M., and Murphy, J. C., "Multilayer Time-Resolved Measurements Characterizing Structured Materials."

Murphy, J. C., Spicer, J. W. M., Givens, R. B., Aamodt, L. C., and Chang, G., "Internal Optical Beam Deflection in Semiconductors with Electron Beam Excitation."

Spicer, J. W. M., Kerns, W. D., Aamodt, L. C., and Murphy, J. C., "Time-Resolved Infrared Radiometry (TRIR) for Characterization of Structured Materials."

The following papers were presented at the American Statistical Association Annual Meeting, Washington, D.C. (6-10 Aug 1989):

Asher, M. S., and Maryak, J. L., "An Efficient Application of Error Isolation Methodology to State-Space Models."

Hill, S. D., and Spall, J. C., "Maximum Entropy Distributions As Approximations to Noninformative Bayesian Prior Distributions."

Maryak, J. L., and Spall, J. C., "Rate of Convergence to Normality for Maximum Likelihood Estimates."

Olsen, D. E., Spaur, C. W., and Cristion, J. A., "Automatic Detection of Epileptic Seizures Using EEG."

Spall, J. C., "A Stochastic Approximation Algorithm for Large-Dimensional Systems in the Kiefer-Wolowitz Setting."

Spall, J. C., "Effect of Imprecisely Known

Nuisance Parameters on the Identification of State-Space Parameters."

COLLOQUIA

29 Sep 1989—"Internal Waves in a Norwegian Fjord: 'Dead Water' Revisited," J. R. Apel, APL.

6 Oct—"Vortex States in Superconductors: Microscopics and Macroscopics," R. C. Dynes, AT&T Bell Laboratories.

13 Oct—"Quantum Well Opto-Electronics," K. K. Bajaj, Arizona State University.

20 Oct—"Getting America Ready for Japanese Science and Technology," R. Samuels, Massachusetts Institute of Technology.

27 Oct—"Astronomical Discovery and Astrophysical Understanding," M. O. Harwit, National Air and Space Museum.

3 Nov—"Antiproton Science and Technology," B. W. Augenstein, RAND Corp.

10 Nov—"Land-Based Missiles: The Basis for Decision," B. G. Levi, *Physics Today*.

17 Nov—"Progress in Geophysical Fluid Dynamics," A. Robinson, Harvard University.

1 Dec—"New Results from the Stanford Linear Collider Z⁰ Experiment: A Limit on the Number of Neutrino Types," B. A. Barnett, JHU.

15 Dec—"Nuclear Disarmament: How Far Shall We Go?" T. B. Taylor, Independent Consultant.