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- Blum, B. I., "Medical Informatics, Clinical Decision Making, and Artificial Intelligence, 'Smart Hospitals'," Grand Fierra di Milano, Milan, Italy (19-22 Apr 1989).
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- Sigillito, V. G., "Classification of Radar Returns from the Ionosphere using Neural Networks," Univ. of Maryland, Baltimore County Computer Science Weekly Seminar, UMBC, Baltimore (9 May 1989).
- Spall, J. C., "Bayesian Computation for Large-Dimensional Models: A Methodology for Isolating Modeling Errors," Seminar Series, National Institute of Standards and Technology, Gaithersburg, Md. (6 Jun 1989).
- Spicer, J. W. M., "Contrast Origins in Thermal Wave Imaging of Polymeric Materials," SPE 47th Annual Technical Conf., New York (1-4 May 1989).

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Barger, C. B., and Farrell, R. A. (APL), Green, W. R. (JHMI), and McCally, R. L. (APL), "Threshold Corneal Damage from Very Short Pulses of CO₂ Laser Radiation";

Freund, D. E., McCally, R. L., and Farrell, R. A., "Image Processing of EM for Light Scattering Calculations";

Langham, M. E., Farrell, R. A., O'Brien, V., Silver, D. M., and Schilder, P., "The Derivation of the Pulsatile Blood Flow from the Intraocular Pressure Pulse in Conscious Humans and Animals";

Lutty, G. A. (JHH), Ikeda, K. (Univ. Tokyo), Chandler, C. (JHH), and McLeod, D. S. (APL), "Immunohistochemical Localization of Transforming Growth Factor-B1 in Human Photoreceptors";
McLeod, D. S. (APL), Lutty, G. A., and D'Anna, S. A. (JHMI), Monahan, J. C. (FDA), and Kues, H. A. (APL), "Ocular Histopathology Induced by Chronic Exposure to Pulsed Microwaves."

The following papers were presented at the Spring Meeting of the American Geophysical Union, Baltimore (8-12 May 1989):

Carbary, J. F., Hansen, J. S., and Meng, C.-I., "Digital Imagery and Earth Spectrography from Low Orbit";

Sarris, E. T. (Univ. Thrace), and Krimigis, S. M. (APL), "Multi-Injection Process and the Inverse Velocity Dispersion Effect of

Energetic Particle Bursts Inside the Plasma Sheet";

Sarris, E. T. (Univ. Thrace), and Krimigis, S. M., and Decker, R. B. (APL), "Evidence for Shock Drift Acceleration at a Warped Shock Front."

The following papers were presented at the Chapman Magnetosphere Physics Conference, Univ. of Calgary, Calgary, Alberta, Canada (16 Feb 1989):

Krimigis, S. M., "AMPTE Overview Talk";
Krimigis, S. M., "The Earth's Magnetosphere after AMPTE: More Questions and Some Answers";

Krimigis, S. M., "Comparative Magnetospheres."

The following papers were presented at the Symposium on the Outer Heliosphere at the

University of New Hampshire, Durham (21-24 May 1989):

Decker, R. B., Krimigis, S. M., Gold, R. E., and Roelof, E. C., "Galactic Cosmic Rays and Low Energy Ions Observed at Voyagers 1 and 2 During the Early Phase of Solar Cycle 22";

Sarris, E. T. (Univ. Thrace), and Krimigis, S. M., and Decker, R. B. (APL), "Evidence for Shock Drift Acceleration at a Warped Shock Front";

Trochoutsos, P., and Sarris, E. T. (Univ. Thrace), and Krimigis, S. M. (APL), "Anisotropics of Ambient Energetic Ions in Corotating Streams: Multispacecraft Observations";

Venkatesan, D. (Univ. Calgary), and Decker, R. B., and Krimigis, S. M. (APL), "The Great Forbush Decrease of March 1989 and the Interplanetary Energetic Particle Environment."