PUBLICATIONS


Johns Hopkins APL Technical Digest, Volume 6, Number 4
Maurer, R. H., and Oppenheimer, E., "Rockets," Tracking for Peacekeeper Test Experiment, "


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The following papers were presented at the HILAT Science Meeting, Hanscom Air Force Base, Mass. (Jan 7-10, 1985):

Bythrow, P. F., "Field-Aligned Currents and Auroral Arcs Associated with the Boundary Plasma Sheet/Central Plasma Sheet Interface";
Meng, C.-I., "AIM VUV Imager and Precipitation Comparison";
Meng, C.-I., "AIM Photometer Results."

The following papers were presented at the 1985 Spring Meeting of the American Geophysical Union, Baltimore (May 27-31, 1985):

Cheng, A. F., "Magnetospheric Interchange Instability";
Decker, R. B. (APL) and Vlahos, L. (Univ. Maryland), "Simulation of Energetic Ion Acceleration at Interplanetary Shocks";
Roelof, E. C., "Three-Dimensional Gradients of Solar Particles Inside 5 AU."

The following papers were presented at the 5th General Assembly of the International Assoc. of Geomagnetism and Aeronomy Program, Prague (Aug 2-9, 1985):

Candidi, M. (National Research Council of Italy) and Meng, C.-I. (APL), "Observations of Conjugate Polar Cusp Region";
Meng, C.-I. (APL) and Makita, K. (Univ. Tokyo), "Auroral Oval Configuration in the Magnetospheric Ground State";
Sibeck, D. G. (APL), Siscoe, G. L. (Univ. California, Los Angeles), and Smith, E. J. (JPL), "Flux Content and Shape of the Distant Magnetotail";

The following papers were presented at the 4th International Topical Meeting on Photoacoustics, Montreal (Aug 4-8, 1985):

Aamodt, L. C., and Murphy, J. C., "Thermal Effects in Materials with Continuously Varying Optical and Thermal Properties in One-Dimension";
Maclachlan, J. W., Givens, R. B., Murphy, J. C., and Aamodt, L. C., "Contrast Mechanisms in Scanning Electron Acoustic Imaging of Grain Boundaries";
Satkiewicz, F. G., Murphy, J. C., and Aamodt, L. C., "Ion-Acoustic Imaging of Subsurface Flaws in Aluminium";

The following papers were presented at the 19th International Cosmic Ray Conference, San Diego (Aug 12-23, 1985):

Lui, A. T. Y. (APL), Goodrich, C. C. (Univ. Maryland), Mankofsky, A. (SAIC), and Papadopoulos, K. (Univ. Maryland), "Early Time Interaction of Lithium Ions with the Solar Wind in the AMPTE Mission";
MacLennan, C. G., and Lanzerotti, L. J. (AT&T Bell Labs.) and Cheng, A. F. (APL), "Does Saturn Have Rings Outside 10 R_J?";
Makita, K. (Univ. Takushoku), Akasofu, S. I. (Univ. Alaska), and Meng, C.-I. (APL), "Plasma Sheet Thinning—Expansion and the IMF Bz Component";
Meng, C.-I. (APL) and Lundin, R. (Kiruna Geophysical Inst., Sweden), "Auroral Morphology of the Midday Oval";
Mitchell, D. G. (APL) and Lundin, R. (Kiruna Geophysical Inst., Sweden), "Analyses of Convective Flows and Spatial Gradients in Energetic Ion Observations";
Sibeck, D. G. (APL), Siscoe, G. L. (Univ. California, Los Angeles), and Smith, E. J. (JPL), "Major Flattening of the Distant Geotail";
Vlahos, L. (Univ. Maryland) and Decker, R. B. (APL), "Prompt Acceleration of Ions by Oblique Turbulent Shocks in Solar Flares";

Decker, R. B. (APL) and Vlahos, L. (Univ. Maryland), "Energetic Ion Acceleration at Collisionless Shocks";

Decker, R. B. (APL) and Vlahos, L. (Univ. Maryland), "Prompt Acceleration of Ions by Oblique Turbulent Shocks in Solar Flares";


Gold, R. E. (APL) and Venkatesan, D. (Univ. Calgary), "Longitudinal Distribution of Cosmic Rays in the Heliosphere";

Roelof, E. C. "Evidence for Regions of Negligible Cosmic-Ray Modulation in the Inner Heliosphere (r < 10 AU)";


**COLLOQUIA**


Oct 18—"Fractals in Aggregation," V. F. J., Family, Emory University and M.I.T.


Nov 1—"Maximum Matching without Tears," M. O. Rabin, Harvard University.


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