

The following papers were presented at the Fall Meeting of the American Geophysical Union, San Francisco, Calif. (4-9 Dec 1989):

Cheng, C. Z. (Princeton Univ. Plasma Phys. Lab.), Takahashi, K. (APL), and Belian, R. D. (Los Alamos National Lab.), "Simultaneous Excitation of Pc4 and Pc5 Waves in the Ring Current."

Nagai, T. (Meteorological Res. Inst., Japan), Takahashi, K., Lopez, R. E., McEntire, R. W., and Potemra, T. A. (APL), and Klumpar, D. M. (Lockheed Palo Alto Res. Lab.), "Field-Aligned Currents in the Near-Earth Magnetotail."

Ross, M. N., and Christensen, A. B. (The Aerospace Corp.), and Meng, C.-I. and Carbary, J. F. (APL), "Observations of the Mid-night O2 Herzberg I Layer."

Takahashi, K. (APL), and Strangeway, R. J. (UCLA), "Long-Period ULF Waves in the Inner Magnetosphere: AMPTE/CCE Observations."

The following papers were presented at the Association of Research in Vision and Ophthalmology, Sarasota, Fla. (29 Apr-4 May 1990):

Farrell, R. A., Freund, D. E., and McCally, R. L., "Angular Light Scattering in the Cornea: Implications Regarding Fibrillar Ordering."

Flower, R. W., Fryczkowski, A. W., and Klein, G. L., "Follow-up of the Diabetic Microangiopathy in Monkeys."

Lutty, G. A. (JHU), and Wajer, S. D., and McLeod, D. S. (APL), "A New Technique for Visualization of the Human Retinal Vasculature."

McCally, R. L., Freund, D. E., and Farrell, R. A., "Small Angle Light Scattering from Human Cornea."

McLeod, D. S. (APL), Lutty, G. A., and

D'Anna, S. A. (JHU), Monahan, J. C. (FDA), and Kues, H. A. (APL), "Potentiation of Microwave-Induced Ocular Pathology by Timolol Maleate."

Silver, D. M. (APL), Collier, Z. T. (JHMI), Farrell, R. A., and Hart, R. W. (APL), and Grebe, R., Hopkins, S. D., Langham, M. E., and Schilder, P. (JHMI), "Species Specific Shapes for Net Pulsatile Ocular Blood Flow."

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Strangeway, R. J. (UCLA), Klumpar, D. M. (Lockheed Palo Alto Res. Lab.), and Takahashi, K. (APL), "Plasma Densities as Measured in the Earth's Inner Magnetosphere and Magnetosheath by the AMPTE/CCE Plasma Wave Experiment."

Takahashi, K., Sibeck, D. G., and Newell, P. T., "ULF Waves in the Low-Latitude Boundary Layer and in the Magnetosphere: A Multisatellite Observation."

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6 Apr 1990—"Magnetically Levitated Trains," A. R. Eastham, Queens University.

13 Apr—"Mobile Robotics for Nuclear Energy-Related Applications," R. Mann, Oak Ridge National Laboratory.

20 Apr—"Computational Complexity and Economics," D. J. Kleitman, Massachusetts Institute of Technology.

27 Apr—"Correlations of Galaxies on a Cosmic Scale," A. Szalay, JHU.

4 May—"Indoor Air Quality," S. Denardi, University of Massachusetts.

11 May—"Orbital Debris: Implications for Spacecraft Operations," D. J. Kessler, NASA-Johnson Space Center.

18 May—"Symmetry, Chemistry, and Optics: Approach to Molecular Engineering in Non-linear Optics," J. Zyss, Centre National d'Etudes de Telecommunications.

1 Jun—"Neural Networks, Machine Vision, and Automatic Target Recognition," M. W. Roth, APL.

15 Jun—"From Hiroshima to Glasnost: Reflections on Four Perilous Decades," P. H. Nitze, JHU.

28 Sep—"Global Imaging of Planetary Magnetospheres," E. C. Roelof, APL.

5 Oct—"Global Warming and Recent Climate Change: Observation and Modeling," K. E. Trenberth, National Center for Atmospheric Research.

12 Oct—"Chaos and Fractals in the Forced Damped Pendulum," J. A. Yorke, Univ. Maryland.

19 Oct—"Gravitational Lensing and Cosmology," E. L. Turner, Princeton University.

26 Oct—"Bioremediation of Oil Spills," R. M. Atlas, University of Louisville.

2 Nov—"Software Fault Tolerance Using Certification Trails," G. M. Masson, The Johns Hopkins University.

9 Nov—"Communicating Science," B. Z. Shakhshiri, University of Wisconsin.

16 Nov—"Modeling the General Circulation of the Thermosphere/Ionosphere and Its Response to Solar Variability," R. G. Roble, National Center for Atmospheric Research.

30 Nov—"Approaches to the Neurobiology of Language," G. M. McKhann, The Johns Hopkins University.

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