

MEETINGS

Magnetism

The American Institute of Physics and the Institute of Electrical and Electronics Engineers will hold the eleventh annual conference on magnetism and magnetic materials at the Hilton Hotel in San Francisco from November 16 to 19.

Contributed papers are solicited on basic experimental and theoretical investigations of magnetism and magnetic materials, chemical synthesis and crystal growth of new magnetic compositions, production and application of technical magnetic materials, apparatus and techniques utilizing recent advances in magnetism, characterization and application of magnetic devices, and the relations between superconductivity and magnetism. A special session will be held this year consisting of invited and contributed papers on recent advances in the fundamentals of permanent-magnet preparation, behavior, development, production, and applications.

Instructions governing the preparation of abstracts (deadline August 16) and other details of the meeting can be obtained by writing to C. F. Kooi, Box 11432, Palo Alto, Calif. There will also be an exhibit of magnetic products and instrumentation at the conference, and prospective exhibitors should contact John L. Whitlock, 253 Waples Mill Road, Oakton, Va.

Plasmas and spacecraft

The American Astronautical Society and the School of Environmental and Planetary Sciences of the University of Miami will cosponsor the second symposium on the interaction of space vehicles with an ionized atmosphere on November 26 and 27 in Miami.

The symposium, which will be held with the cooperation of the International Scientific Radio Union, will offer invited and contributed papers on the effect on dilute plasmas produced by the passage of a charged body and the effects on the body due to the existence of the plasma and a magnetic field. The charged body may

range in size from a large satellite to a dust particle. The techniques involved will range from the theory of plasma waves, including shock waves, to experimental plasma physics, plasma probes, and radio physics.

Contributions should be sent to Dr. A. Hochstim, Institute for Defense Analysis, 400 Army-Navy Drive, Arlington, Va. Communications concerning arrangements should be sent to the AAS Symposium, University of Miami, PO Box 8131, Coral Gables, Fla. 33124.

Earth sensing

The University of Miami's School of Environmental and Planetary Sciences is arranging a symposium on electromagnetic sensing of the earth from satellites, to be held November 22 to 24. Cosponsored by the American Meteorological Society and the American Geophysical Union, the meeting will discuss sensing of terrains, ocean surfaces, ice and snow, the atmosphere and its constituent gases, clouds, and particulate matter. Particular emphasis will be placed on the microwave and infrared regions, although the entire spectrum will be considered.

Abstracts of contributed papers must be sent by September 1 to Prof. Ralph Zirkind, Polytechnic Institute of Brooklyn, Graduate Center, Farmingdale, Long Island, New York. Inquiries regarding arrangements should be addressed to EM Sensing Symposium, University of Miami, PO Box 8131, Coral Gables, Fla. 33124.

Atmospheric sciences

The Radio Astronomy Branch of the Space Physics Laboratory, Air Force Cambridge Research Laboratories, will sponsor a symposium next fall on radio-astronomical and satellite studies of the atmosphere. The meeting, which will take place October 19 to 21 at the Sheraton-Boston hotel in Boston, will deal with studies of scintillation; total electron content;

satellite propagation; absorption by riometer techniques; atmospheric emission by radio astronomical techniques; absorption, refraction, and scintillation by the lower atmosphere; and instrumentation.

Correspondence should be addressed to George A. Cushman, Symposium Coordinator, Wentworth Institute, 550 Huntington Avenue, Boston, Mass.

Fluid dynamics

The University of Maryland Institute for Fluid Dynamics and Applied Mathematics is planning a symposium on the dynamics of fluids and plasmas, to be held at the University's Center of Adult Education from October 6 to 8.

Dedicated to Professor J. M. Burgers, who retires from the Institute this year at the age of seventy, the meeting proposes to review some of the recent work in areas to which he made important contributions.

Technical sessions will cover kinetic theory and flow with chemical reaction, turbulence and stability of flow, biomechanics and other problems of living organisms, plasmas (theoretical and experimental), and lectures on rheology and stellar dynamics.

Further information can be obtained from Prof. S. I. Pai, Institute for Fluid Dynamics and Applied Mathematics, University of Maryland, College Park, Md. 20742.

Solid state

The British Institute of Physics and Physical Society will hold a conference on solid-state physics at the Manchester College of Science and Technology from January 4 to 7, 1966. The meeting will cover all phases of the field. Two-hundred word abstracts should be sent by November 12 to the Papers Secretary, Prof. S. F. Edwards, Department of Physics, University of Manchester, Manchester 13, England.

Inquiries regarding the preparation of abstracts, attendance, and accommodations should be sent to the Meetings Officer, The Institute of Physics and the Physical Society, 47 Belgrave Square, London SW 1, England.