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MAGNETICS

Expanding programs devoted to understanding the fundamental nature of magnetic recording and relevant fields of magnetism have created openings on our Corporate Research Staff for both inexperienced and experienced Ph.D. level Physicists. Typical investigations include:

Analytical Magnetic Recording Studies
Particle Interaction Theory
Structure of Magnetic Particles
Properties of Magnetic Particle Collection
Magnetic Relaxation Studies

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niques, which is scheduled to take place May 20-22 at the Miramar Hotel in Santa Monica, Calif.

For those wishing to present contributed papers, a 100-word abstract and a 1000-word summary, both in duplicate, should be submitted by January 5 to Dr. Irving Kaufman, Space Technology Laboratories, Inc., 1 Space Park, Redondo Beach, Calif. General information about the symposium can be obtained from Alvin Clavin, Rantec Corporation, 23999 Ventura Boulevard, Calabasas, Calif.

Vacuum Science

On behalf of the Joint British Committee for Vacuum Science and Technology, the amalgamated Institute of Physics and Physical Society is arranging a one-day symposium on education in vacuum science and technology. The meeting is to be held at Brunel College, Acton, London, on May 29.

Sessions will be devoted to the following topics: (1) content of lecture courses in physics undergraduate curricula, (2) the necessity for postgraduate courses in vacuum technology with special reference to engineering, (3) educational work in vacuum science and technology abroad, and (4) laboratory experiments in vacuum technology suitable for courses in colleges of technology.

Additional information and advance-registration forms will be available in February and can be obtained from the Administration Assistant, The Institute of Physics and the Physical Society, 47 Belgrave Square, London, S.W.1, England.

Materials

An International Conference on Materials will be held February 3-7, 1964, in Philadelphia, under the sponsorship of the American Society for Testing and Materials. Scheduled in conjunction with the Society's annual Committee Week, the meeting will emphasize the need for world-wide cooperation in the advancement of materials technology. The cooperation of ASTM in the standardizing activities of other nations will also be stressed. Several of the conference sessions, covering the use of nuclear physics in the testing of materials, will be co-sponsored by the International Union of Testing and Research Laboratories for Materials and Structures.

The program is expected to include papers on plasmas, thermonuclear power generation, magneto-hydrodynamics, masers and lasers, electromagnetic properties at cryogenic temperatures, very-high-frequency ultrasonics, microelectronics, and related areas. The emphasis in each case will be on materials problems. Invited papers will present new contributions, rather than review subject fields.

Further information can be obtained from the American Society for Testing and Materials, 1916 Race St., Philadelphia 3, Pa.