

MEETINGS

Testing and Materials

The American Society for Testing and Materials is expecting an attendance of approximately 4000 at its 66th annual meeting, to be held June 23 through 28 at the Chalfonte-Haddon Hall Hotel in Atlantic City. The program will include sessions on x-ray and electron-probe analysis, chemical and physical effects of high-energy radiation on inorganic substances, materials in aerospace technology, adhesives, resinography, the technology of stainless steels and related alloys, and the fracture testing of metals.

Detailed information can be obtained from ASTM headquarters, 1916 Race Street, Philadelphia 3, Pa.

Superconductivity

An international conference on the science of superconductivity is to be held at Colgate University, Hamilton, N. Y., on August 26, 27, and 28. Sponsored by the International Union of Pure and Applied Physics, the National Science Foundation, the Advanced Research Projects Agency of the US Department of Defense, and the General Electric Research Lab, it is intended to be a working conference on fundamental studies of superconductivity and it will not include papers on applications. Scientists having an active interest in this field are invited to write for further information to the conference secretary, Dr. Roland W. Schmitt, General Electric Research Laboratory, PO Box 1088, Schenectady, N. Y.

Power Reactor Physics

The International Atomic Energy Agency is planning to hold a symposium on exponential and critical experiments from September 2 to 6 in Amsterdam, Holland. Emphasis is expected to be placed on experiments performed to supply the physics data necessary for the design of power reactors, and consideration will be given to the relative costs and merits of such experiments, trends of future experiments, the role of theory in experimental programs, and developments involving experimental techniques that have been found useful in dealing with specific problems in reactor physics.

In announcing the symposium, the Agency indicated the possibility of a debate concerning the future role of exponential and critical experiments in the nuclear industry. One school of thought, according to the Agency, holds that such experiments will eventually be made unnecessary because of the increasing accuracy of high-speed computers and the detailed nature of the data they provide. The opposing view is that the in-

dustry will come to rely more and more upon experimental results since the detailed computations that would otherwise be required will be neither inexpensive nor definitive.

United States participation in the symposium is being coordinated by the Atomic Energy Commission. All inquiries should be directed to John H. Kane, Chief, International Conference Branch, Division of Special Projects, US Atomic Energy Commission, Washington 25, D. C.

Ellipsometry

Application of the Drude technique to the study of surfaces and thin films, employing such methods as polarization spectrometry and ellipsometry, will be discussed at a National Bureau of Standards symposium to be held on September 5 and 6 in Washington, D. C.

The program will cover fundamentals, technique, and applications, including transmission in films and reflection from films and surfaces, application of the Drude equations to measurements of films and surfaces, and applications in surface physics, electronics, and a number of other disciplines. Further information can be obtained from Elio Passaglia, National Bureau of Standards, Washington 25, D. C.

Crystallographic Apparatus

An exhibit of noncommercial crystallographic apparatus, sponsored by the Commission on Crystallographic Apparatus, will be held during the sixth General Assembly of the International Union of Crystallography, which will be held from September 9 to 18 at the Palazzi dei Congressi EUR in Rome, Italy. There will be no charge for exhibit space, according to the Commission, and research equipment such as models, teaching aids, optical devices, goniometer heads, and similar devices not available from commercial sources will be welcome.

Application forms and regulations governing the entry of exhibits can be obtained from Dr. William Parrish, Philips Laboratories, Irvington-on-Hudson, N. Y. The completed application must be received no later than July 15 by Dr. Vladimiro Scatturin, Istituto di Chimica Generale, Università Degli Studi, Bari, Italy.

Spectroscopy

The eleventh Colloquium Spectroscopicum Internationale, sponsored by the Union of the Chemical Societies of Yugoslavia, will meet in Belgrade from Sep-