

MEETINGS

Spectrometry

Bendix Corporation has announced that it will hold its fifth annual time-of-flight mass-spectrometer symposium from September 30 through October 4 at the Carrousel Inn, ten miles north of downtown Cincinnati. The meeting will include invited lectures on the use of the technique in organic structure, gas chromatography, Knudsen cell effusions, and fast reactions, and seminars on operation, application, and maintenance conducted by Bendix personnel. A fee of \$10 per day will be charged.

Additional information can be obtained from D. C. Damoth, The Bendix Corporation, 3625 Hauck Road, Cincinnati 41, Ohio.

Nuclear Physics

Argonne National Laboratory will hold a conference on nuclear physics with reactor neutrons from October 15 to 17. This American Physical Society Topical Conference will emphasize experiments performed with reactor neutrons and their theoretical interpretation, including fundamental properties of the neutron, measurements of capture gamma rays, fission, and neutron cross sections.

Abstracts are due by October 1. Since these are to appear in the APS *Bulletin*, they must conform to the style outlined in any issue of the *Bulletin*. In addition, "summaries" of approximately 1000 words, excluding tables and figures, are requested. These will be reproduced and distributed at the meeting.

Abstracts, summaries, and any inquiries should be sent to F. E. Throw, Room F169, Building 203, Argonne National Laboratory, Argonne, Ill.

The Ionosphere

A conference on direct aeronomic measurements in the lower ionosphere will be held October 21-23 at the University of Illinois. The meeting will discuss the use of rocket-borne instruments to study the region 30 to 75 miles above the surface of the earth and the interpretation of the results obtained. Specific topics will include gas and ionization density, atmospheric composition, solar radiation, magnetic fields, electron temperature, and air glow.

Inquiries should be directed to Prof. Sidney A. Bowhill, Department of Electrical Engineering, University of Illinois, Urbana, Ill.

Reactor Materials

The American Institute of Mining, Metallurgical, and Petroleum Engineers and the American Nuclear Society will cosponsor an international symposium on

the selection and study of materials for sodium-cooled power reactors. To be held November 19, as part of the ANS winter meeting in New York City, the meeting will discuss the problems of cladding and structural materials that are involved in the development of fast, sodium-cooled breeder reactors. About eight invited papers will be read during the morning and afternoon sessions, followed by an evening session of informal discussion by an international panel of experts. The proceedings will be published as Volume IX of the AIME Nuclear Metallurgy Series. Inquiries regarding the symposium should be sent to R. B. Gordon, Nuclear Metallurgy Committee, AIME, PO Box 309, Canoga Park, Calif.

Signal Statistics

A symposium on signal statistics will take place in Seattle, Wash., on December 6 and 7. Sponsors of the meeting will be the US National Committee of the International Scientific Radio Union, Boeing Scientific Research Laboratories, University of Washington College of Engineering, and the Institute of Electrical and Electronics Engineers. The symposium will precede the annual fall meeting of the URSI, which will also be held in Seattle, during December 9-11. Fields to be covered will include linear and nonlinear processing of statistical data, various statistical distributions, probabilistic aspects of wave propagation, special mathematical techniques, and sophisticated data-processing techniques. Persons interested in further information should contact either J. C. Noyes or H. M. Swarm, PO Box 3981, Seattle 24, Wash.

Ionospheric Processes

The Central Radio Propagation Laboratory of the National Bureau of Standards will hold a conference on nonlinear processes in the ionosphere on December 16 and 17. The meeting will take place at the NBS Boulder Laboratories, and papers are invited on both basic and applied aspects of the interaction of radio waves with the ionosphere. One- to two-hundred-word abstracts must be sent by October 15 to Dr. Donald H. Menzel, Director, Harvard College Observatory, Cambridge 38, Mass.

Inquiries regarding attendance at the conference should be sent before November 15 to R. T. Frost, Radio Building, NBS Laboratories, Boulder, Colo.

Spectroscopy

The fifteenth Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, with a concurrent exposition of laboratory equipment, will be