

held March 2-6, 1964, at the Penn-Sheraton Hotel. The meeting will be sponsored by the Analytical Chemistry Group of the American Chemical Society's Pittsburgh Section and the Spectroscopy Society of Pittsburgh. Approximately 200 papers on all phases of the subject will be presented. In addition, proposed symposia are: the Coblenz Society Symposium, excitation techniques, electron probes, analysis of polymers, analysis of gases in metals (including activation methods), the far infrared, and adsorbed molecules.

A 150-word abstract of each contributed paper, together with a letter listing the names and addresses of the authors and the laboratory in which the work was done, must be submitted in triplicate by October 15. All correspondence regarding the meeting should be sent to Program Chairman Rudolph B. Fricioni, Allegheny Ludlum Steel Corporation, Corporate Quality Control Laboratory, Research Center, Brackenridge, Pa.

The fifth Omnibus Conference on Experimental Aspects of NMR Spectroscopy will be held at the Mellon Institute in Pittsburgh from February 27 to 29. It will deal with broad-line work, experimental developments of general interest, and high-resolution techniques. For those who wish to attend both meetings, the NMR sessions of the Pittsburgh Conference have been scheduled for March 2.

Thermal Radiation

An international and interdisciplinary symposium on the thermal radiation properties of solids will be held March 4-6, 1964, at the Sheraton-Palace Hotel in San Francisco. Organized under the auspices of the National Aeronautics and Space Administration, the National Bureau of Standards, and the Aeronautical Systems Division of the US Air Force, with the University of California acting as host, the symposium will be the fifth in a series of conferences dealing specifically with thermal radiation phenomena.

The program will emphasize discussions of space effects that alter the thermal radiation properties of solids. The following topics are to be considered: (1) fundamentals of thermal radiative transfer, (2) surface effects, (3) measurement techniques, (4) environmental effects, and (5) engineering applications. Preprints of the program will be distributed to participants who register before February 1.

All correspondence should be addressed to Mr. William D. Harris, Symposium on Thermal Radiation of Solids, Engineering and Sciences Extension, University of California, Berkeley 4, Calif.

IEEE

The Nonlinear Magnetics Committee of The Institute of Electrical and Electronics Engineers has announced that it is organizing an international conference for April 6-8, 1964, at the Shoreham Hotel in Washington, D. C. The program will center on theory and applications of saturable magnetic materials and

devices. Papers in the following areas are solicited: computer magnetics, superconducting devices, recording, power control, and properties of magnetic materials. Deadline for abstracts, 250 words or less, is October 25; complete manuscripts are due December 27.

All correspondence should be sent to R. C. Baker, Department of Engineering and Applied Science, Yale University, Dunham Laboratory, New Haven, Conn.

From May 19 to 21, 1964, the IEEE Professional Technical Group on Microwave Theory and Techniques will hold an international symposium at the International Hotel at Idlewild Airport, New York City. Although all areas of the microwave field will be covered, the program committee wishes to concentrate on the following: (1) lasers, with emphasis on their analogies to microwaves, (2) high-power techniques, (3) millimeter- and submillimeter-wave techniques and components, and (4) solid-state devices. Fifty- to one-hundred-word abstracts, accompanied by 500-1000-word summaries, should be sent by December 13 to Leonard Swern, Sperry Gyroscope Company, Great Neck, N. Y. The summaries, which may contain as many as six figures, will appear in a digest that will be distributed to all registrants.

Additional details can be obtained from The Institute of Electrical and Electronics Engineers, Box A, Lenox Hill Station, New York 21, N. Y.

Radioisotopes in Medicine

The International Atomic Energy Agency will convene a symposium on medical radioactive scanning from April 20 to 24, 1964. To be held in Athens at the invitation of the Government of Greece, the meeting will discuss radioisotope-scanning techniques used in the study of internal organs and in the detection and localization of tumors and other space-occupying lesions. The topics to be covered will include (1) the mathematical basis of scanning techniques, with special references to sensitivity and resolution; (2) techniques using stationary and moving detectors; (3) design, construction, and testing of scanning collimators; (4) choice of radioisotopes and labeled compounds; (5) quantitative interpretation of scanning data; and (6) clinical applications.

The deadline for 250-350-word abstracts, which should indicate whether the material is new or a review, is November 16. The official channel for US participation is the Atomic Energy Commission, and abstracts and all inquiries referring to the symposium should be sent to John H. Kane, Chief, Conferences Branch, Division of Special Projects, USAEC, Washington 25, D. C.

Macromolecules

The twelfth Canadian High-Polymer Forum will be held May 27-29, 1964, at the Cardy Alpine Inn, Ste. Marguerite, Quebec. Sponsored by the National Research Council of Canada, in cooperation with the