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 Coblentz 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

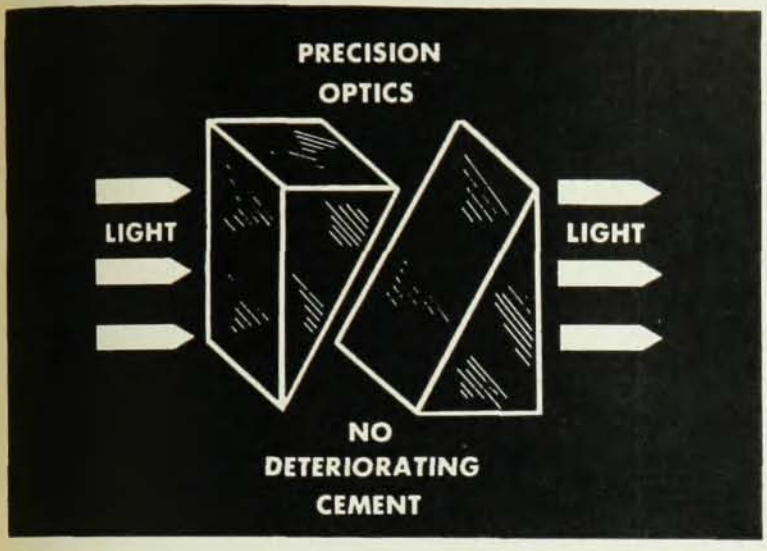
The International Atomic Energy Agency will convene a symposium on medical radioactive scanning from April 20 to 24, 1964. To be held in Athens at the invitation of the Government of Greece, the meeting will discuss radioisotope-scanning techniques used in the study of internal organs and in the detection 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

Are You Using Polarizing Optics . . .
With Deteriorating Cement In Your Laser Program?



Of course you're not (or shouldn't be)! Laser research programs in radar, communications, gyro guidance, IR, ultraviolet or computing demand the highest quality optical components. Any inherent deficiencies appear quickly in undesirable results. Quality, flawless components are the rigid and only rigid requirements to conduct research with a product from a undisputably reliable source. Listed below are some of the products available, and, in sufficient quantity, so results can be repeatable in other laboratory, or even production locations. Call, write, or wire for further information about your optical needs, including your optical problems.

Glan Prisms
Double Glan Prisms
Glan Thompson Prisms (mounted in precision divided circle)
Calcite Cylinder (up to 175 mm long)
Wollaston Prisms (from calcite & quartz)
Mica & Quartz Wave Plates
Rochon Prisms

OPTICAL SPECIALISTS
TO HELP SOLVE YOUR OPTICAL PROBLEMS

Karl Lambrecht, Owner
Crystal Optics
3959 North Lincoln Avenue, Chicago 13, Ill.
Area Code: 312 - Tel.: GR 2-5442-3-4

Technical Opportunities

for Operations Research Specialist and Statistician

Your Association With CORNING Will Add Up To Greater Opportunities

CORNING offers the engineer and scientist professional and personal rewards commensurate with his ability and experience. A leader in new materials, products, equipment and processes for both consumer and industrial use, and continuous expansion has created the following high level career positions.

OPERATIONS RESEARCH SPECIALIST
Masters to PhD in Operations Research or Statistics with a flair for translating a set of physical conditions into mathematical models for appropriate study and then recognizing the need to translate the findings back into practical manipulations of the physical conditions.

STATISTICIAN
BS to Masters in statistics or mathematics to make statistical studies of process capabilities, identifying source of manufacturing problems, establishing statistical QC charts and procedures, and designing and applying statistical sampling plans. Engineering graduate with strong statistical background also considered.

These positions are in a corporate staff Quality Control and Statistical Engineering Department which assists staff engineering and research groups as well as manufacturing plants with their experimental and manufacturing statistical problems. Corning is located in the pleasant relaxed community of CORNING, NEW YORK, at the gateway to the famous Finger Lakes resort area.

Send your resume to: Mr. Keith O. Engstrom Technical Recruiting Administrator

CORNING
CORNING GLASS WORKS
CORNING, NEW YORK
"Corning Means Research In Glass"
An Equal Opportunity Employer

Chemical Institute of Canada, the Forum will include all aspects of macromolecular science. It is expected that the Forum Lecturer will be Prof. Charles Sadron, director of the Centre de Recherches sur les Macromolécules in Strasbourg, France.

Titles and 200–300-word abstracts of all contributed papers must be sent by February 15 to Dr. Leo Breitman, Research and Development Division, Polymer Corporation Limited, Sarnia, Ontario. Other information regarding the meeting will be supplied by Dr. Hubert Daoust, c/o Department of Chemistry, Université de Montréal, PO Box 6128, Montreal, Quebec, Canada.

Photosensitization

An international conference on the physical, chemical, and biological aspects of photosensitization in solids will be held June 22–24, 1964, at the Illinois Institute of Technology. Covering recent advances in the field as well as the broad theoretical and experimental concepts, the meeting will emphasize mechanisms of energy transfer and conversion, electron transfer, sensitization of electrical and chemical effects, including photography, and sensitization aspects of biological processes.

For information on submission of papers, travel allowances, and accommodations, write to Dr. Leonard Grossweiner, Department of Physics, Illinois Institute of Technology, Chicago 16, Ill.

MHD

An international symposium on magnetohydrodynamic electrical-power production will be held in Paris from July 6 to 10, 1964. Organized by the European Nuclear Energy Agency of the Organization for Economic Cooperation and Development and the French National Institute of Nuclear Science and Technology, the meeting proposes to examine recent research on MHD direct conversion and to assist the dissemination of information on the technique. Participation will be open to representatives from countries outside the OECD.

Further details are available from the European Nuclear Energy Agency, 38, boulevard Suchet, Paris 16, France.

Solid State

The International Union of Pure and Applied Physics and the French Physical Society are planning an international conference next year on the physics of semiconductors. The general conference, to be held in Paris from July 20 to 24, 1964, will be preceded and followed by specialized informal symposia on such topics as radiation damage, plasma effects in solids, and transition-element compounds.

Further information can be obtained from Prof. M. Balkanski, Laboratory of Physics, Ecole Normale Supérieure, 24 rue Lhomond, Paris 5, France.