

# MEETINGS

## *Women in Science*

Sixty high-school science teachers, counselors, and school administrators met with a group of women scientists on March 31 in Washington, D. C., for the second annual conference on women in science. Held with the support of the National Science Foundation, the meeting dealt with the educational and career opportunities available to women in various scientific fields. It was organized by the Joint Board on Science Education for the Greater Washington Area, which is sponsored by the Washington Academy of Sciences and the District of Columbia Council of Engineering and Architectural Societies.

Crystallographer Elizabeth Wood of the Bell Telephone Laboratories presented a talk entitled "The Other Half of Our Scientific Manpower" in which she stressed the importance of the role played by teachers in shaping the attitudes of students toward science. Dr. Wood observed that in view of the growing acceptance of women as useful members of the scientific community the sincere encouragement of teachers should be offered to competent, enthusiastic girls who want to go into science.

Joan LaFrank, director of personnel for Melpar, Inc., discussed opportunities for women in research and development, emphasizing the ways in which the flexible employment policies of some companies make possible part-time employment for women who wish to combine a job with a family or with the further education which some find they want after having worked for a while.

In a different vein, Betty Lou Raskin of the Johns Hopkins Radiation Laboratory offered an example of the satisfactions to be derived from doing original research by describing her own work in developing opaque, low-density, foam-plastic smokes capable of being colored and of remaining suspended for long periods of time. With the help of lantern slides and a film, she discussed their potential usefulness for image projection in the sky, smoke screens, cloud nucleation, and various other possible applications.

After the luncheon provided by Immaculata Junior College, where the meeting was held, there was a panel discussion led by Katherine Way of the NAS-NRC Nuclear Data Project, who was responsible for the organization of the conference. The panelists spoke from personal experience of the kinds of problems and attitudes they encountered in their fields and described their professional preparation and the nature of their work. Those taking part were Mary Louise Robbins, a microbiologist from the George Washington University School of Medicine; Lois Platt, a cancer cytologist in the University's Cancer Clinic; Elizabeth Kahler, MD, a general practitioner; Katherine Stinson, an aeronautical engineer from the Federal Aviation Agency; Charlotte

Campbell, a medical mycologist from the Walter Reed Army Institute of Research; and Harriet Frush, a chemist, and Joan Rosenblatt, a mathematician, both of the National Bureau of Standards.

## *History of Science*

The Tenth Annual Congress of the History of Science will convene during the week of August 26-31 at Cornell University and will hold its final sessions from August 31 to September 2 under the auspices of the American Philosophical Society in Philadelphia. The Congress will be sponsored by the International Academy of the History of Sciences and by the Division of History of Science of the International Union of the History and Philosophy of Science. Henry Guerlac of Cornell, who is president of the Academy, will also serve as president of the Tenth Congress.

The program topics will include general problems in the history of science, the history of technology and applied science, science in antiquity, the science of the Middle Ages and the Renaissance, mathematics and the exact sciences after 1600, biological and earth sciences after 1600, and the "sciences of man" (psychology, anthropology, sociology, and linguistics). The official languages of the Congress are English, French, German, and Russian.

According to advance estimates, the attendance is expected to approach 1000. The National Science Foundation and the American Council of Learned Societies have made travel grants to the Congress to enable scholars from distant countries to attend.

## *Computing Machinery*

The seventeenth annual meeting of the Association for Computing Machinery, to be held September 4-7 in Syracuse, N. Y., will have its headquarters in the Syracuse Hotel, with sessions to be held there and in the War Memorial Auditorium. The program's thirty sessions will include papers dealing with information retrieval, artificial intelligence and self-organizing systems, education and training of programmers, numerical analysis, applications in the physical and engineering sciences, automatic programming and compilers, artificial languages, business data processing, real-time information processing, and computer design. The program will also include panel discussions on the use of algebraic language systems and on the social responsibilities of computer specialists. In addition, there will be an exhibit featuring displays by leading manufacturers of data-processing equipment and systems and by a number of computing centers.

Requests for additional information should be sent



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### **Crystal Lattice Defects**

An international Conference on Crystal Lattice Defects, organized by the Physical Society of Japan in cooperation with the International Union of Pure and Applied Physics, will be held September 7-12 in Kyoto. It will be preceded by a symposium in Tokyo on the mechanical aspects of lattice defects in crystals, which will take place September 3-4.

Topics to be covered by the program of the Kyoto conference are (1) fundamental properties of lattice defects, including magnetic resonance and optical studies of point defects, formation and migration of point defects, and the interaction of lattice defects with electrons and phonons; (2) interaction of lattice defects, including interaction between point defects, the formation of multiple point defects, and interaction between point defects and dislocations; (3) radiation damage, including the production of lattice defects by radiation and the kinetics of annealing. The proceedings of the Kyoto conference will be published as a supplement to the *Journal of the Physical Society of Japan*.

For additional information, write to R. R. Hasiguti, University of Tokyo, Bunkyo-ku, Tokyo, Japan.

### **Mathematics of Fluid Mechanics**

The College of Engineering and the Departments of Physics and Mathematics at Michigan State University will join in sponsoring a symposium on Fundamental Topics in Modern Fluid Mechanics to be held October 10-11 on the Michigan State campus at East Lansing. The program, which will emphasize developments in the mathematical aspects of magnetohydrodynamics and relativistic fluid mechanics, will consist of both invited and contributed papers.

Abstracts (200 words; deadline, August 1) and requests for additional information regarding the meeting should be sent to Dr. Robert Wasserman, Department of Mathematics, Michigan State University, East Lansing, Mich.

### **Electrical Insulation**

August 1 is the deadline for 100-word abstracts of papers intended for presentation at the 1962 Annual Meeting of the Conference on Electrical Insulation. Sponsored by the National Academy of Sciences and National Research Council, the meeting will be held October 15-17 at the Hershey Hotel in Hershey, Pa. The program of contributed papers will deal with polarization, measurements and instrumentation, breakdown, conduction phenomena, dielectric materials, and molecular structure and devices.

In addition to the abstracts, which should be sent to J. Sticher, Detroit Edison Company, 2000 Second Ave-

nue, Detroit, Mich., extended summaries for publication in the *Annual Report of the Conference* will be required at the time of the meeting. Additional details can be obtained from L. J. Frisco, Johns Hopkins University, Dielectric Laboratory, 1315 St. Paul Street, Baltimore, Md.

### **Rheology**

The thirty-third annual meeting of the Society of Rheology will take place October 29-31 at the Johns Hopkins University in Baltimore. Some thirty papers are expected to be included in the technical sessions, which will be held in Shriver Hall. Preliminary plans for the meeting called for organizing symposia on molecular and particulate rheology and on polymer chain entanglement, and possibly a session on blood rheology. It is expected that papers presented at the meeting will be published in the Society's *Transactions*, which are to be issued early in the summer of 1963.

The deadline for abstracts (200 words, two copies) is August 15. They should be sent to the chairman of the Program Committee, Dr. E. A. Collins, B. F. Goodrich Chemical Co., P. O. Box 122, Avon Lake, Ohio.

### **Diffraction**

The annual Pittsburgh Diffraction Conference, which is to be held November 7-9 at the Mellon Institute, will feature sessions devoted to instrumentation and techniques, structures, metals and alloys, lattice defects and radiation damage, and x-ray and electron-diffraction microscopy. Dame Kathleen Lonsdale of the University of London will be the guest speaker at the evening meeting on November 8th.

Further information concerning the program and the placement service to be held in connection with the meeting can be obtained from W. H. Robinson, Carnegie Institute of Technology, Pittsburgh 13, Pa.

### **Plasma Physics**

The Fourth Annual Meeting of the Division of Plasma Physics of the American Physical Society will be held from November 28 to December 1 at the Chalfonte-Haddon Hall Hotel in Atlantic City, N. J., under the joint sponsorship of the APS and the Plasma Physics Laboratory of Princeton University. The program will include invited papers on subjects of current interest, as well as ten-minute papers contributed by members of the Society. In addition, there will be a tour of the Plasma Physics Laboratory on Tuesday, November 27.

Abstracts of contributed papers, prepared in accordance with the rules and instructions set forth in any recent issue of the *Bulletin of the American Physical Society*, should be submitted before October 22 to Dr. Melvin B. Gottlieb, Princeton University Plasma Physics Laboratory, P.O. Box 451, Princeton, N. J.