

Lectures to be held June 18-21 at the State University of Iowa in Iowa City. One evening during the meeting will be devoted to an exhibit of original demonstration equipment and other teaching devices prepared by the participants. Registration is without fee. Further information may be obtained from J. A. Van Allen, Department of Physics, State University of Iowa, Iowa City.

Semiconductors

EXPERIMENTAL and theoretical concepts of electronic processes in semiconductors will be treated at the 1958 Conference on Semiconductors, which is to be held August 18-22 at the University of Rochester, Rochester, N. Y. Both surface and volume effects will be considered, with the term "semiconductors" being broadly interpreted to include not only semiconducting elements and compounds but also other crystals where similar concepts of energy bands, impurity states, and carrier transport are of prime importance.

This year's conference is being sponsored by the International Union of Pure and Applied Physics and by the following government agencies: Air Force Office of Scientific Research, ARDC, Atomic Energy Commission, National Science Foundation, and Office of Naval Research. Additional support will be provided by various US industrial organizations. Two previous international semiconductor conferences have been held, the first in 1954 (Amsterdam) and the second in 1956 (Garmisch-Partenkirchen).

The 1958 Semiconductor Conference has been scheduled for the week prior to the Conference on Electron Properties of Materials at Low Temperatures at Geneva, N. Y. (August 25-29), to enable foreign scientists to attend both.

Those wishing to attend the conference on semiconductors are requested to file applications before May 1, which is also the deadline for those wishing to submit abstracts (200 words or less). The conference proceedings are to be published early in 1959 as a single issue of the *Journal of the Physics and Chemistry of Solids*. All correspondence with regard to the conference, including abstracts, should be addressed to the conference secretary, Malcolm H. Hebb, P. O. Box 1088, Schenectady, N. Y.; details concerning the Electron Properties Conference may be obtained from M. D. Fiske at the same address.

Atmospheric Diffusion and Air Pollution

ABOUT 60 scientists, including fluid dynamicists, meteorologists, mathematicians, and oceanographers, will be invited to attend an International Symposium on Atmospheric Diffusion and Air Pollution to be held August 24-29 in Oxford, England. The symposium will be jointly sponsored by the International Union of Theoretical and Applied Mechanics and the International Union of Geodesy and Geophysics and will include sessions on turbulent diffusion on trajectories of air particles and suspensions in the atmosphere, the transfer through the tropopause and at the earth's surface, and on air pollution patterns from point

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In Physics, preferably Ph.D.; teach one section of freshman physics and advanced courses; salary range from minimum for Assistant Professor \$4800 to maximum for full Professor \$10,000. Apply to Stanley J. Heywood, Assistant to the President, Coe College, Cedar Rapids, Iowa.

DEPARTMENT OF PHYSICS, UNIVERSITY OF FLORIDA, GAINESVILLE. Have staff openings, Assistant Professor to Professor. Particularly interested in low temperature-solid state training or cyclotron experience.

Faculty Position—Physics. Teaching undergraduate Physics in expanding program; likelihood of graduate teaching near future. Opportunity for some off-campus consulting. Ph.D. preferred; M.S. considered. Rank & Salary open. For details write Dr. John B. Drahmann; Chairman; Dept. of Physics, Univ. of Santa Clara, Santa Clara, Calif.

POSITIONS OPEN—*Continued*

SENIOR POSITION IN PHYSICS

Bucknell University has a five-man Physics Department. We are planning to replace one of our junior members at a higher rank and salary. We are looking for a person who might be described as a teacher-scholar with primary emphasis on teaching.

Approximate Age: Between 35 and 45.

Experience: A man with six to ten years teaching experience. Additional industrial experience would be considered valuable.

The Department of Physics is located in the new Olin Science building with the most modern equipment. The departmental operating budget is approximately \$15,000 annually with an additional \$1000 to \$1500 available annually for research purposes.

Approximate Teaching Load: Twelve contact hours.

Salary: Open.

Application should be sent to: Dr. Karl D. Hartzell, Dean, Bucknell University, Lewisburg, Pa.

The Department of Physics
Florida State University, Tallahassee, Florida

WILL MAKE TWO APPOINTMENTS

in the rank of

ASSISTANT PROFESSOR

(initial salaries in the range \$6000-\$6800)

APPOINTMENT TO BEGIN SEPTEMBER 1, 1958

A research program in several fields of experimental physics and in theoretical physics is being developed. Openings with reasonable stipends are also available for graduate assistants (teaching or research) and, on a more competitive basis, for fellows in nuclear research.

Applications are also solicited for one full time electronics technician and for experienced shop personnel, laboratory assistants, etc.

Please write to:

Dr. Harvey Hall, Chairman, Dept. of Physics

RESEARCH PHYSICIST

Ph.D. or equivalent. Man with background in solid state physics for research division of electronics concern.

Excellent salary and working conditions. Submit full details to D. BELLAT, *Personnel Director*.

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and area sources. A special evening session devoted to a general lecture on urban air pollution and pollution from nuclear reactors will be open to the public. Attendance at the regular sessions, however, will be by invitation only.

Further information may be obtained from Dr. F. N. Frenkiel, Applied Physics Laboratory, The Johns Hopkins University, Silver Spring, Md., or from Dr. P. A. Sheppard, Department of Meteorology, Imperial College of Science and Technology, London SW 7, England, who are joint IUTAM-IUGG secretaries of the symposium.

Vacuum Symposium

VACUUM techniques, including fundamental theory, applications, industrial processes, and related equipment, will be the topics covered during the Fifth National Vacuum Symposium of the American Vacuum Society to be held October 22-24 at the Sir Francis Drake Hotel, San Francisco, Calif. In October 1957, the Committee on Vacuum Techniques, Inc., formally became the American Vacuum Society. At that time the Society elected the following officers: president, M. W. Welch; vice president, A. J. Gale; clerk-secretary, D. S. Gustin; and treasurer, G. S. Carr. It will continue to disseminate information on all aspects of vacuum techniques to academic, government, and industrial organizations.

Papers on the topics to be covered at the symposium are invited for the San Francisco meeting. Prospective authors and those wishing further information should contact the program chairman, Wilfrid G. Matheson, 60 Boston Street, Salem, Mass.

Acoustics Congress in 1959

PHYSICAL and technical acoustics, with special accent on the physical aspects, noise and vibration control, electroacoustics, and architectural acoustics, will highlight the Third International Congress on Acoustics to be held September 1-8, 1959, in Stuttgart, Germany. It will be sponsored by the International Commission on Acoustics according to the resolutions of the second ICA congress held in Cambridge, Mass., in 1956. The third congress will be arranged by the Verband Deutscher Physikalischer Gesellschaften, together with the Nachrichtentechnische Gesellschaft des Verbandes Deutscher Elektrotechniker and the Verein Deutscher Ingenieure.

In addition to the technical program, congress participants will be given the opportunity to visit German research institutes and take part in sightseeing excursions to Munich and the Stuttgart environs. A special industrial exhibition of modern acoustical and electrical measuring devices will be shown in connection with the congress.

Contributed papers will be accepted until May 15, 1959, and these and requests for further information should be addressed to the congress secretary, Dr.-Ing. Eberhard Zwicker, Breitscheidstrasse 3, Stuttgart N, Germany.