

POSITIONS OPEN

PHYSICIST OR PHYSICAL CHEMIST

Ph.D., 0-4 years' experience, to participate in an active interdisciplinary investigation concerned with studying electronic conduction in organic solids, ranging from simple aromatic hydrocarbons through polymeric substances. Permanent position in a group that includes Physicists, Physical Chemists, and Organic Chemists. Dark and photoconductivity, thermoelectric power, Hall effect, electron spin resonance, crystal structure, spectra, etc., are being investigated. The atmosphere is academic; individual responsibility is large; publication is encouraged; salaries are competitive with industry. Unusual opportunity to make important contributions in a rapidly growing field. Send complete resume to:

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COLLEGE POSITION IN PHYSICS

Rapidly growing State College in Southern California needs an additional staff member beginning September, 1960. Engineering physics curriculum including some advanced undergraduate courses. Campus 30 miles from downtown Los Angeles. Nearby communities have many cultural and recreational advantages. Masters or Ph.D. degree in physics required. Appointment will be made either to assistant professor or instructor level depending upon experience and training. Excellent opportunity for younger man. Reasonably rapid advancement in rank can be expected for a qualified man because of projected growth. Salaries are better than most private colleges. Write to: Dean, Arts and Sciences Division, California State Polytechnic College, Pomona, California.

Ph.D. for teaching and research in the area of Solid State Physics. Write: Dean Frank Kerekes, Michigan College of Mining and Technology, Houghton, Michigan.

College Teaching Position:

Undergraduate classes with possibilities of graduate work being developed. The doctorate or its near completion is desired. Teaching experience will be helpful. Rank up to associate professor and commensurate salary. Write to Dean J. F. Bartlett, Marshall College, Huntington, West Virginia.

Engineer-Physicist with extensive background in military electronics and applied physics seeks to represent Research and Development organizations or manufacturers of advanced products in the Washington, D. C. area. Box No. 760, Physics Today, 335 East 45th St., N. Y.

Institute of Radio Engineers. It will be held October 3-5 in Gatlinburg, Tenn., under the joint sponsorship of the PGNS and the Oak Ridge National Laboratory. An exhibit of relevant instruments and equipment and a tour of the "Project Sherwood" thermonuclear facilities at ORNL have been scheduled.

A deadline of August 1 has been set for the submission of titles and 50-word abstracts. They should be sent to H. E. Banta, Oak Ridge National Laboratory, P. O. Box "X", Oak Ridge, Tenn., from whom further information concerning the meeting is also available.

Diffraction

SSESSIONS devoted to metals and alloys, instrumentation, structures, polymers and fibers, refractors, electron probe, and electron diffraction will make up the program of the annual Pittsburgh Diffraction Conference to be held November 9-11 at the Mellon Institute in Pittsburgh. An evening session will be addressed by I. Fankuchen of the Polytechnic Institute of Brooklyn. For further information contact L. F. Vassamillet, Mellon Institute, 4400 Fifth Avenue, Pittsburgh 13, Pa.

Applications of Probability Theory

ATWO-DAY Symposium on Engineering Applications of Probability and Random Function Theory, sponsored by Purdue University, will be held November 15-16 at Lafayette, Ind. The program will stress applications of probability and random function theory to problems associated with factors of safety in structures, reliability of structures and systems, optimization of systems of all types which are subject to random disturbances, jet and rocket engine noise fields, and traffic control. Among the participants will be S. S. Shu (Purdue), Mark Kac (Cornell University), A. J. F. Seigert (Northwestern University), R. B. Murphy and David Slepian (Bell Telephone Laboratories), A. M. Freudenthal (Columbia University), E. T. Jaynes (Stanford University), Ira Dyer (Bolt Beranek and Newman), R. E. Kalman (RIAS), and Elliott Montroll (University of Maryland).

Requests for further information and a detailed program should be addressed to Prof. J. L. Bogdanoff, School of Aeronautical and Engineering Sciences, Purdue University, Lafayette, Ind.

Temperature Measurement and Control

TEMPERATURE, its measurement and control in science and industry, is the subject of a national symposium to be held March 27-31, 1961, in Columbus, Ohio, under the joint sponsorship of the American Institute of Physics, the Instrument Society of America, and the National Bureau of Standards, with the cooperation of other societies and governmental agencies. Next year's conference is expected to cover the broadest range of temperature topics since 1939, when a meeting on the same subject was held in New York City; it will be the fourth of a series of temperature

conferences, of which the first, the now historic "Symposium on Pyrometry", was held in 1919. Designed to present broad fundamental coverage of the subject for scientists and engineers who are concerned with temperature problems, the symposium will complement and amplify material in the reference books (*Temperature—Its Measurement and Control in Science and Industry*, Volumes 1 and 2) which were published under the auspices of the AIP by the Reinhold Publishing Corporation as the formal records of the 1939 and 1954 meetings.

The 1961 meeting is intended to provide an authoritative collection of papers on the meaning of temperature concept as well as the analytical theory, with appropriate emphasis on instrumentation and such engineering aspects as thermocouples and radiation pyrometry in a full temperature range. The subject matter will run the scale from cryogenic to ultrahigh plasma temperatures. A reference book based on the material presented will again be published.

W. A. Wildhack, chief of the NBS Office of Basic Instrumentation, has been named general chairman, AIP Director Elmer Hutchisson is vice chairman, and C. L. Roberson, manager of the Mechanical Research Laboratory of the Owens-Corning Fiberglass Corporation, is secretary. Persons interested in contributing to the program should contact the program committee as soon as possible so that proposals for the presentation of papers may receive prompt consideration. Papers should be forwarded to the chairman of the program committee, Dr. C. M. Herzfeld, Heat Division, National Bureau of Standards, Washington 25, D. C.

Electronic and Atomic Collisions

PHYSICS of Electronic and Atomic Collisions is the subject of an international conference to be held June 12-15, 1961, at the University of Colorado in Boulder. As was the case at an earlier meeting on the same topic held at New York University in 1958, the subject matter will be largely restricted to two-body, nonnuclear interactions. Material to be covered will include the theoretical and experimental aspects of electron scattering by atomic and simple molecular systems, collisions between atoms and/or ions, photo and charge exchange processes, muonium and positronium cross-section studies, absolute atomic transition probabilities, etc. The emphasis will be on fundamental processes rather than on collective phenomena, although some discussion of applications to plasmas and astrophysics is anticipated.

The steering committee consists of B. Bederson, M. A. Biondi, S. Borowitz, L. M. Branscomb, W. Brittin, F. Byrne, E. U. Condon, W. Fite, R. Geballe, S. Geltman, V. Hughes, B. Lippmann, R. Mace, W. J. Otting, Jr., G. Schulz, and K. Watson. For further information, contact the secretary of the conference, Benjamin Bederson, Physics Department, New York University, New York 53, N. Y.

POSITIONS OPEN

"ACADEMIC": Ph.D. in chemistry, electrical engineering or physics with a strong background in instrumentation and/or process control who will teach graduate courses only leading to M.S. degree in Instrumental Science. Expected to develop own research program. May start anytime up to September. Rank and salary dependent on qualifications. Graduate Assistantships available in the same area. Send resume and references to:

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Graduate Institute of Technology
University of Arkansas
Little Rock, Arkansas

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Theoretical Physicist

Applications are invited for a position in the Department of Physics in Solid State or Electromagnetic Theory, the rank and salary depending on qualifications (Ph.D. essential). Salary scales are competitive with leading Canadian Universities. At present an M.Sc. degree is offered with expansion to a full graduate programme anticipated. The University of Waterloo is a rapidly expanding non-denominational University in a progressive city 70 miles from Toronto.

Write to: Chairman, Department of Physics, University of Waterloo, Waterloo, Ontario, Canada.

Teaching positions, some research. One Associate or Assistant Professor (Ph.D.), One Instructor or Assistant Professor (Ph.D. or near), starting September, 1960. Salary open. Expanding technical undergraduate college in North Texas. Reply with details to Box 760-D, Physics Today, 335 East 45th St., New York 17, N. Y.

UNIVERSITY FACULTY POSITION

Senior faculty appointment in September, 1960, or January, 1961, for physicist to teach graduate and/or undergraduate courses and direct research in field of choice. Preference will be given to Ph.D.'s with considerable teaching or research experience. Attractive salaries. Apply to Chairman, Department of Physics, Fordham University, New York 58, New York.

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