

POSITIONS OPEN

Academic Position Available

Faculty appointment, September, 1962, at Indiana State College, enrollment 5,000. Ph.D. preferred to teach undergraduate and senior-first level graduate courses in physics. 40 semester hour undergraduate major offered. Reduction in teaching load for research activities. Excellent physical facilities. Salary and rank dependent on training and experience. Summer teaching available at additional salary. Apply to: Dr. William B. Hopp, Chairman, Department of Science, Indiana State College, Terre Haute, Indiana.

EXPERIMENTAL PHYSICIST: to do basic research in electron physics or steady state plasma physics. A senior person is desired (Ph.D. plus several years significant research experience) who will largely motivate his own fundamental, publishable research. The research environment is in a small, highly professional group currently making contributions in superconductivity, magnetic resonance, plasma experiment and theory, statistical mechanics, spectroscopy, reactor physics and other areas of ultimate importance for the national space effort. Send complete resume to: Jet Propulsion Laboratory, California Institute of Technology, 4810 Oak Grove Drive, Pasadena, California, Attention—H. P. Marxmiller. "An equal opportunity employer"

VACANCY IN PHYSICS DALHOUSIE UNIVERSITY INSTITUTE OF OCEANOGRAPHY

Applications are invited for an academic post in physics within which the appointee will conduct research on marine problems and undertake a limited amount of formal teaching. Appointment will be made at a rank and salary appropriate to qualifications. For a recent Ph.D. the beginning salary will not be less than \$7000.

Address all correspondence and recommendations to: The Director, Institute of Oceanography, Dalhousie University, Halifax, Nova Scotia, Canada.

ber 5 to 7. Sponsored jointly by the National Bureau of Standards, the National Aeronautics and Space Administration, and the Aeronautical Systems Division of USAF, the coverage will range from 10°K to above 3000°K and from the ultraviolet into the infrared to 15 microns and beyond.

All inquiries should be directed to the chairman of arrangements, C. Robert Andrews, University of Dayton, Dayton 9, Ohio.

Neutron Interactions

A SECOND Symposium on Inelastic Scattering of Neutrons in Solids and Liquids will be held at Chalk River, Canada, from September 10 to 14, under the sponsorship of the International Atomic Energy Agency. Covering essentially the same subject matter as the first such symposium (held in 1960), the meeting will consider the study of the dynamic properties of all forms of matter by means of neutron interactions, as well as some topics, such as those dealing with gases and magnetic systems, not included in the 1960 symposium.

The scope of the meeting includes experimental or theoretical studies satisfying the following conditions: (1) that the primary interest is in dynamics of matter in any solid, liquid, or gaseous form, and in the interatomic forces which determine dynamics; (2) that the experimental method or theoretical approach is concerned with the interactions of neutrons in matter.

Specific topics listed for discussion include phonons in solids, diffusive motions in liquids, molecular energy levels, and dynamics of magnetic systems. A few surveys may be included in fields closely related to the scope of the symposium, such as studies of dynamics by gamma-ray interactions and studies of structure by neutrons.

All correspondence regarding the meeting should be addressed to the International Atomic Energy Agency, Room 2265, United Nations, New York 17, N. Y.

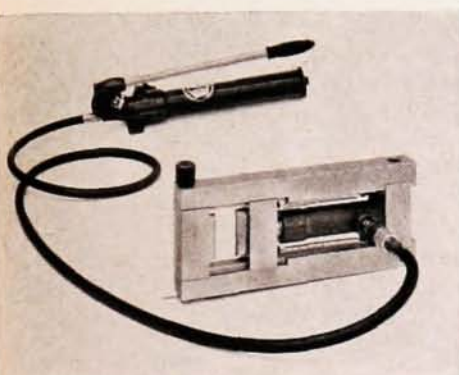
Reactor Chemistry

OAK Ridge National Laboratory has announced plans for a pair of conferences on reactor chemistry to be held from October 9 to 11 in Gatlinburg, Tenn. The Third Conference on Nuclear Reactor Chemistry will emphasize the chemical behavior of reactor materials, while the Sixth Conference on Analytical Chemistry in Nuclear Reactor Technology will include discussions of isotope applications, instrumentation, analysis of organic moderators, spectroscopy, and analytical developments in radiochemistry and nucleonics.

Inquiries concerning the conference on nuclear reactor chemistry should be directed to W. R. Grimes, and those concerning the analytical chemistry sessions



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POSITIONS OPEN

PHYSICS DALHOUSIE UNIVERSITY HALIFAX, CANADA

Applications are invited for the position of Research Professor in the Faculty of Graduate Studies. Applicants should have research experience in some field of ACOUSTICS and should be qualified to supervise the research of graduate students. Salary up to \$10,000. Replies, including curriculum vitae, should be addressed to the Head of the Department of Physics.

Position Available: Physicist or physical chemist with doctor's degree for full-time independent research in areas of biophysics, nuclear physics, radiochemistry; Midsouth; academic appointment; teaching duties flexible dependent upon tenant's desire. Starting salary \$8,900 to \$10,600. PT Box 462-A, 335 E. 45 St., New York 17, N. Y.

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POSITIONS OPEN

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Resume to: R. B. Winslow, Department of Physics, Wheeling College, Wheeling, W. Va.



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should be sent to C. D. Susano. Both can be reached at the Oak Ridge National Laboratory, P. O. Box X, Oak Ridge, Tenn. Information on accommodations can be obtained from Reservation Services, Chamber of Commerce, Gatlinburg, Tenn.

Gaseous Electronics

THE fifteenth Gaseous Electronics Conference will be held October 10-12 at the Boulder Laboratories of the National Bureau of Standards. This year's meeting is being organized under the Bureau's sponsorship and has been designated as a topical conference of the American Physical Society. As in previous years, the conference will be devoted to the basic processes and mechanisms of plasma physics, and the organizing committee has indicated that contributions dealing with ionospheric physics will be especially welcome. Papers on specific devices employing plasmas will be excluded.

To be eligible to appear in the *Bulletin of the American Physical Society*, abstracts must conform to the standards established for the preparation of abstracts for general meetings of the Society. The specifications are to be found in any recent issue of the *Bulletin*. To provide adequate time for the presentation of accepted papers and still keep the length of the meeting within a period of three days, the conference committee reserves the right to place a limit on the number of papers it accepts.

Abstracts of contributed papers must be received not later than August 24 by the conference committee secretary, Dr. J. M. Richardson, Boulder Laboratories, National Bureau of Standards, Boulder, Colo.

Applied Spectroscopy

OCTOBER 18 and 19 are the dates for the first in a projected series of annual Pacific regional meetings on applied spectroscopy and analytical chemistry. The 1962 conference will be held at the Huntington-Sheraton Hotel in Pasadena, Calif., under the auspices of the Los Angeles Chapter of the Society for Applied Spectroscopy with the cooperation of that organization's San Diego and San Francisco Chapters and the American Chemical Society's Southern California Section.

The program will include four half-day technical sessions devoted to the following subjects: (1) absorption spectroscopy; (2) electron microprobe and x-ray emission and diffraction spectroscopy; (3) optical emission spectroscopy; and (4) general analytical chemistry. There will also be an instrument exhibit and a banquet featuring an after-dinner address by Harrison Brown of the California Institute of Technology.

For additional information, write to Dr. W. F. Ulrich, Scientific and Process Instruments Division, Beckman Instruments, Fullerton, Calif.