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POSITIONS OPEN

RESEARCH FELLOWSHIPS
THEORETICAL PHYSICS INSTITUTE
University of Alberta
Edmonton, Canada

Applications are invited for postdoctoral research fellowships in theoretical physics. Fellowships carry a stipend of \$6,000 p.a. with annual increments of \$500 and are tenable for periods up to three years. Removal assistance is provided by the Institute.

Applicants should ask two or three referees to write letters of recommendation. In addition, applicants should state their age, qualifications and experience and supply a list of publications. All correspondence should be addressed to L. E. H. Trainor, Physics Department, University of Alberta, Edmonton, Canada, from whom additional particulars may be obtained.

Applications are invited from Ph.D. physicists for the position of Lecturer or Assistant Professor in the Department of Physics. Duties will involve undergraduate teaching and research. Ability to initiate research desirable. New Building with research facilities planned. Initial salary dependent upon experience but competitive. Inquiries and applications, together with a curriculum vitae, a recent photograph or snapshot, and the names of three referees should be addressed to:

The Chairman, Department of Physics,
Sir George Williams University,
Montreal, Quebec, Canada.

telephoning the Symposium Coordinator at 663-1511, extension 313W, Ann Arbor (Area Code 313).

Molecular Spectroscopy

Methods of acquisition and interpretation of molecular spectroscopic data, as well as other subjects of current interest in spectroscopy, are to be discussed at a symposium scheduled to take place June 10-14 at Ohio State University's Department of Physics and Astronomy. The symposium will be convened concurrently with a meeting of the Triple Commission for Spectroscopy at Ohio State, which will also present a series of invited and contributed papers on atomic and molecular spectroscopy.

Further information, and a copy of the program when it becomes available, can be obtained from Professor H. H. Nielsen, Department of Physics and Astronomy, Ohio State University, 174 West 18th Avenue, Columbus 10, Ohio.

Rock Mechanics

An international conference on the state of stress in the earth's crust is to be held in Santa Monica, Calif., on June 13 and 14. Sponsored by the Committee on Rock Mechanics of the Engineering Geology Division of the Geological Society of America, the meeting is intended to coordinate efforts among the several disciplines that have an interest in rock mechanics, which the Committee describes as the "study of the rheology of geological materials with emphasis on those materials that, in practice, are regarded as rock rather than soil". The program will offer a review of the fundamentals of rock mechanics, applications to design problems, and methods of stress measurement.

Registration forms and other information can be obtained from L. W. Johnson, The Rand Corporation, 1700 Main Street, Santa Monica, Calif.

Carbon

The campus of the University of Pittsburgh has been chosen as the site of the sixth biennial conference on carbon, which will be held from June 17 to 21 under the auspices of the American Carbon Committee.

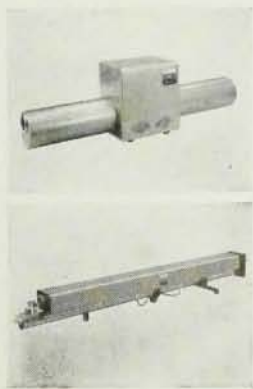
Technical sessions will cover the following main topics: (1) high-temperature and pressure properties of carbon, (2) electronic properties, (3) mechanical properties, (4) x-ray and electron-diffraction studies, (5) formation and reactions of single crystals, (6) radiation damage, (7) kinetics of gas-solid reactions, (8) chemistry of carbon-oxygen complexes, (9) pore structure of carbons, (10) pyrolytic graphites, (11) carbon binders, and (12) carbon technology. Authors of contributed papers are required to submit titles, two-hundred-word abstracts, in triplicate, and estimated reading times by March 1 to the chairman of the program committee, S. Ergun, US Bureau of Mines, 4800

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POSITIONS OPEN

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Department of Physics

Applications are invited for two positions in the above Department. Preference will be given to applicants with experience and interest in Solid State or Nuclear Physics. Appointments may be made either as Lecturer, Assistant Professor (minimum salary \$7000) or Associate Professor (minimum salary \$9000) depending on qualifications and experience. Duties to begin 1st September 1963, or earlier by arrangement. Applications should be sent to Dr. B. G. Whitmore, Head, Department of Physics, The University of Manitoba, Winnipeg 19, Canada, from whom further information can be obtained.

FACULTY POSITION

Thiel College wants to add a new member to its physics staff beginning either June or September, 1963. Ph.D. desired. Rank and salary dependent on experience and qualification. Summer teaching extra, if carried. Field of specialization: Theoretical Physics, if possible. Laboratory Technician on duty in the Department. Reply with resume to: B. G. Kossvary, Chairman, Department of Physics, Thiel College, Greenville, Pennsylvania.

TEACHING AND RESEARCH FELLOWSHIPS

Teaching and research fellowships are available in the Physics Department at Northeastern University, Boston, Massachusetts, for September, 1963. The stipend is \$2,200 per academic year with a remission of tuition. Students may register for graduate work leading to the M.S. and Ph.D. degrees. For information, apply to:

Graduate School
Northeastern University
Boston 15, Massachusetts

OVERSEAS

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Address inquiries to Miss Shirley Osmun, Personnel Officer, Robert College, Bebek Post Box 8, Istanbul, Turkey; with copy to the Near East College Association, 548 Fifth Avenue, New York 36, New York.

FACULTY POSITION. Teaching undergraduate and graduate physics up to M.S. Rank and salary dependent upon qualifications; for Ph.D. with limited experience rank of Asst. Prof. at \$7000 for academic year. Opportunities for research and summer employment. Dr. Stanley H. Vegors, Jr., Physics Dept., Idaho State College, Pocatello, Idaho.

NEW MEXICO HIGHLANDS UNIVERSITY offers graduate assistantships, NIH assistantships, NSF cooperative graduate fellowships, and NDEA fellowships for programs leading to M.S. in physics and Ph.D. in biophysics. Active research in nuclear scattering theory, structure of macromolecules, chemisorption, biophysics and analog computers. Write: Dean, Graduate School, N.M.H.U., Las Vegas, New Mexico.

Forbes Avenue, Pittsburgh 13, Pa. Proceedings of the conference will be published in successive issues of *Carbon*, a recently established international journal.

For registration and reservation blanks, and for further information, write to R. A. Friedel, Sixth Carbon Conference, US Bureau of Mines, Pittsburgh.

Lattice Dynamics

An international conference on lattice dynamics will be held August 5-9 at the Technical University of Denmark in Copenhagen under the sponsorship of the Danish Academy of Technical Sciences, the Danish Physical Society, the International Union of Pure and Applied Physics, the Nordic Institute for Theoretical Atomic Physics, the US National Science Foundation, and the US Office of Naval Research.

Subjects of major interest will include dispersion (frequency versus wavelength) curves, anharmonicity, elastic properties, vibrations in lattices with impurities and in disordered lattices, surface vibrations, and dynamical models. Emphasis will be placed on those experimental and theoretical contributions which have the widest significance for the understanding of the interaction between atoms in solids and their role in lattice dynamics.

March 31 is the deadline for submission of abstracts, which should be sent in six copies to the secretary of the conference, Dr. S. Lundqvist, Department of Mathematical Physics, Chalmers University of Technology, Göteborg, Sweden. Requests for further information concerning the meeting should also be addressed to Dr. Lundqvist.

Summer Conferences for College Teachers

The National Science Foundation has announced the establishment of a summer program of short (less than four weeks) subject-familiarization conferences for college teachers whose academic duties prevent them from attending the longer summer institutes. Under the program, the NSF provides a grant to each participating institution to cover per-diem stipends and travel allowances. All requests for information and for application forms should be sent to the director of the individual conferences. Listed below are the 1963 conferences which deal with subjects in physics.

August 5-30: Conference on Mechanics at the University of Colorado for college teachers holding a bachelor's degree who have taken courses in physics or have taught courses in physics or physical science. The subject matter will be kinematics and dynamics of a particle, rotational dynamics, and the special theory of relativity. The director is Professor Malcolm Correll, Hellems 16E, University of Colorado, Boulder, Colo.

August 11-30: Conference on Atmospheric Science at Colorado State University for college and university teachers of general science and physics. The program will include lectures on atmospheric general circulation (descriptive), radiation and satellite observation, the laws of atmospheric motion, climatology, atmospheric disturbances,