

erable, it is not essential, and any physicist wishing to take advantage of this free service is always welcome. Job listings will be posted and a complete file of applicants will be available upon request. Inquiries for further information should be addressed to: Placement Service, American Institute of Physics, 57 East 55th Street, New York 22, N. Y.

Research Facilities

The Franklin Institute of Philadelphia has announced the creation of a Nuclear Engineering Department in the Institute's Laboratories for Research and Development. Under the leadership of Francis L. Jackson, the new department is engaged in nuclear engineering programs which include studies on a sodium fast-breeder reactor, pressurized water reactors, and a boiling water reactor.

Radio Corporation of America has established a technical research service to aid users of electron microscopes in the solution of problems in microscopy. Under the leadership of John J. Kelsch, formerly chief microscopist and associate director of physics in the Central Research Laboratories of Interchemical Corporation, the new service will be extended to electron microscope users to provide technical assistance in the development of new microscopy application and techniques and in the solution of specific application problems. Mr. Kelsch will also conduct research on new applications and techniques at RCA's Camden, N. J., electron microscope laboratories.

Mellon Institute has announced plans for the construction of a million-dollar laboratory to house its recently established Department of Radiation Research. The new suburban research center, to be built about 20 miles east of Pittsburgh, Pa., represents the first major expansion of facilities for the Institute since 1937, when its present site was completed. The new laboratory, with a proposed completion date of late summer 1957, will house a 3-Mev Van de Graaff accelerator. Also included will be laboratories for radiochemical and allied work, general laboratories, office space, a radiation library, and equipment for using radioactive materials. G. A. Webb, director of engineering at the Institute, is supervising the development of the new center.

Argonne National Laboratory is currently inviting applications from faculty members and graduate students who are US citizens for temporary research and development appointments in physics, ceramics, chemistry, metallurgy, biology, medicine, and chemical, electrical, mechanical, metallurgical, and nuclear engineering. Faculty appointees will spend full time in research or development and will be paid commensurate with their academic salary. Appointments will ordinarily be made either for summer employment or for a period of approximately one year at the end of which the individual will return to his sponsoring institution. Upon recommendation of their department head, gradu-

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Applications are invited for the position of **PROFESSOR OF ENGINEERING PHYSICS**

The course in Engineering Physics has been in successful operation at this University for over twenty years. By its nature it has not in the past required a teaching and administrative department associated with it, but in the future such a degree of individuality will be required. It is proposed, therefore, to initiate such a department by appointing a professor of Engineering Physics, who will become the nucleus for future growth. The particular professorial rank will, of course, depend upon the qualifications of the person appointed. Such a person ought to have had at least six or seven years of suitable experience beyond graduation. A Ph.D. degree is not essential but is desirable as an indication of a leaning towards academic work and the research that that implies. It is believed that this is an unusual opportunity.

Address inquiries to: R. R. McLaughlin
Dean, Faculty of Applied Science
and Engineering
University of Toronto, Toronto

ate students who have completed all course work, passed all qualifying examinations, and wish to do research to be presented in thesis form for advanced degrees from their universities will be considered for one-year appointments. Further information and application blanks may be obtained from: Professional Personnel Office, Argonne National Laboratory, P. O. Box 299, Lemont, Ill. Applications for summer employment should be received not later than the end of January 1957.

Summer Programs

The University of Mexico took the initiative during the past summer (July 9th to August 31st) to organize in its Physics Department a group of graduate courses on low-energy nuclear physics. The program proved to be very successful, attracting more than thirty physicists from Mexico, the United States, Europe, and South America.

Five courses were offered: theory of nuclear forces (R. E. Peierls, Birmingham); electromagnetic interactions with nuclei (J. S. Levinger, Baton Rouge, La.); theory of nuclear reactions (R. G. Thomas, Los Alamos); nuclear shell theory (B. Stech, Heidelberg); collective motions in nuclei (M. Moshinsky, Mexico). All of these courses were well attended, though it proved to be a rather heavy task for most of the participants to follow fifteen lectures a week of indeed very condensed material. The lectures will be available in a short time.

In addition to the courses, a weekly seminar was held which became particularly stimulating by the constant help and criticism of Prof. Peierls, who contributed two reports on the conferences held a short time before in Rochester (April 1956) and in Moscow (May 1956). South American participants had the very welcome opportunity to submit the recent work of their groups (quantum electrodynamics, photonuclear excitation, theory of deuteron polarization, semimagic numbers in shell structure) for discussion and criticism. Part of the work of the seminar was devoted to learning about the work which is currently carried out by the Physics Department of the University of Mexico. Prof. A. F. Alba's group, working with a 2-Mev deuteron beam of a Van de Graaff accelerator, studied stripping in C^{12} and O^{16} . Systematic work is carried out on the study of atmospheric radioactivity. Prof. Moshinsky has formed a very promising group of young theoreticians who currently study problems concerning velocity-dependent nuclear forces.

At the request of several participants Prof. Graef Fernandez held a series of lectures on general relativity and Birkhoff's theory.

The burden of the organization of the summer school fell upon Prof. Moshinsky. His task was supported by the director of the Physics Department, Prof. Fernandez, by the authorities of the University, by Unesco, and by several national institutions of the countries who were represented and who contributed to traveling