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Programs and Facilities

A new international organization has been set up by five countries (Denmark, Finland, Iceland, Norway, and Sweden) with the purpose of strengthening scientific cooperation in the field of atomic physics. One of the main objects of the organization is the establishment of a Nordic Institute for Theoretical Atomic Physics (Nordisk Institut for Teoretisk Atomfysik) in Copenhagen in a building which is to be erected by the Danish Government in connection with the existing premises of the Institute for Theoretical Physics of the University of Copenhagen.

The Nordic Institute, whose staff will be concerned primarily with research and educational activities, commenced its work on October 1, 1957, using facilities put at its disposal by the Copenhagen Institute for Theoretical Physics. The new Institute will offer advanced training in theoretical atomic physics for a number of younger physicists from the five member states and will, in addition, serve as a gathering place for physicists from the member states. It is anticipated that scientists from other countries will be invited to visit the Institute to lecture and take part in discussions.

Until a formal agreement can be established by the participating governments, the new organization will continue to work on an interim basis. It is governed by a board composed of theoretical physicists delegated by the five countries and headed by Niels Bohr, who has been elected the first chairman of the board. In addition to creating the new Institute in Copenhagen, the organization plans to facilitate the exchange of Nordic scientists, the organization of symposia, and visits of scientists from other countries to Nordic physical institutions. For the interim period C. Møller has been appointed director of the Nordic Institute of Theoretical Atomic Physics (during his absence on a visit to the United States T. Gustafson has been acting as director), assisted by G. Källén, B. Mottelson, and S. Rozental. On February 1st, L. Rosenfeld will permanently join the staff of the Institute.

The Institute of Mathematical Sciences at New York University is again offering temporary memberships to mathematicians and other scientists holding the PhD degree who intend to study and do research in the fields in which the Institute is active. These fields include functional analysis, ordinary and partial differential equations, mathematical physics, fluid dynamics, electromagnetic theory, numerical analysis and digital computing, and various specialized branches, such as linear programming, hydromagnetics, and reactor theory. Temporary members may participate freely in the research projects, the advanced graduate courses, and the research seminars of the Institute, and they will have the opportunity of using the computational facilities which include an IBM 704 computer and a Univac. Designed primarily as a means of alleviating the present shortage of scientists trained in mathematical physics, applied mathematics, and related fields of mathematical analysis, the temporary membership pro-

gram is supported by the National Science Foundation and also by funds contributed by industrial firms. Requests for information and for application blanks should be addressed to the Membership Committee, Institute of Mathematical Sciences, 25 Waverly Place, New York 3, N. Y.

A Graduate Plastics Program of engineering study and fundamental research leading to the MS degree is again being offered by Princeton University. Fellowship stipends ranging from \$1500 to \$2100 plus tuition and fees are available, and half-time research assistantships are available to students not on fellowships. Applicants must hold a bachelor's degree in engineering or physical science from a recognized institution and must meet the general admission requirements of Princeton's Graduate School. Further information may be obtained from Prof. Louis F. Rahm, Director, Plastics Laboratory, Princeton University, Princeton, N. J.

Northeastern University is planning to build a new graduate center on its Huntington Avenue campus in Boston, Mass. Two floors of the five-story building, to be constructed and equipped at a cost of about \$1 million, will house the Physics Department, which will be equipped with a general laboratory and with specialized laboratories for research in nuclear physics, optics, and vibration and sound. The building will also house service facilities and administrative offices for the University's four graduate programs. Ground for the new structure will be broken early this summer and the center is expected to be completed in the spring of 1959.

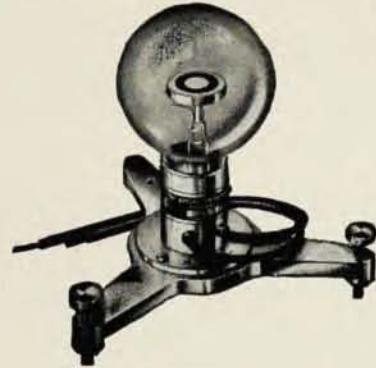
The University of Southern California Department of Physics has been awarded an Atomic Energy Commission contract for a basic research program in nuclear physics. The program, under the direction of G. L. Weissler, professor of physics, and John R. Holmes, head of the Physics Department, will be part of the graduate instruction program in physics and will have as its primary research tool the 32-Mev linear proton accelerator now at the University of California Radiation Laboratory. A new building is being constructed to house the program adjacent to the physics building.

Grants and Awards

Grants totaling \$4.35 million have been awarded by the National Science Foundation to 17 colleges and universities in the United States to support academic-year institutes in 1958-59, which are designed to help high-school science teachers improve their knowledge of science subject matter. In announcing the awards, Alan T. Waterman, Director of the Foundation, said that an estimated 800 high-school science and mathematics teachers will pursue a program of study in the sciences and mathematics planned especially for them and conducted by leaders noted not only for competence in their fields but for skill in presentation. The grants will provide stipends of \$3000 each to approximately 50

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