

and inventions. While initial research will be concerned largely with the national defense effort, use of the center for projects in various fields of peace-time science and engineering is anticipated.

RADIOISOTOPES

NEW CENTERS OF DISTRIBUTION IN NORTHEAST

Two new radioisotope distribution centers for the benefit of users in the Northeastern United States have been announced by the Atomic Energy Commission in recent months. Five hospitals in Rochester, N. Y., together with the University of Rochester Medical School, are cooperating with the AEC in distributing radioisotopes for clinical and diagnostic use. This program was undertaken by the University as a community service which not only will mean a large financial saving to the participating hospitals and patients, but also will bring to them the benefits of the University's extensive work in radiation research and development. The University of Rochester Isotope Center will use facilities of the Medical School and the atomic energy project for storing, handling, and processing the radioactive materials shipped from Oak Ridge. These will be standardized in the Medical School's hot laboratory and doses will be measured, transported to the hospitals, and administered in accordance with standard safe handling requirements. The initial investment for each hospital, it is pointed out, will amount to no more than \$2000 under the plan instead of anywhere from ten to thirty times that amount if the hospital were to establish its own program. It is estimated that the annual cost of the plan will be about \$10,000 less for each hospital than if separate programs were maintained.

The second distribution center, at the Brookhaven National Laboratory on Long Island, will supply radioisotopes not ordinarily available from Oak Ridge. Production in Brookhaven's new nuclear reactor will be principally concerned with requests for highly radioactive isotopes, isotopes with half-lives too short to permit long distance shipment, or with situations requiring special consideration because of geographical location or unusual delivery schedules. The higher neutron flux of the Brookhaven reactor makes possible the production of certain radioisotopes of considerably higher specific activity than can be produced in the Oak Ridge National Laboratory reactor, although the latter will continue to be the nation's principal radioisotope source.

Requests for radioisotopes must still be made directly to the Isotopes Division, U. S. Atomic Energy Commission, Oak Ridge, Tennessee, according to the AEC, and service irradiations will not be performed at Brookhaven unless authorized by the Isotopes Division. Inquiries will be handled at Brookhaven by the Laboratory's Isotopes and Special Materials Group, under the direction of Dr. Marvin Fox.

SUMMER OFFERINGS

MIT COURSES IN PROBABILITY, ACOUSTICS

The summer program of studies at the Massachusetts Institute of Technology includes a course on probability and another on acoustics in testing and processing. The first, under the leadership of Mark Kac, professor of mathematics and engineering physics at Cornell University, extends from June 11 through July 20, and will consider topics of importance not only in mathematics but also in the study and application of physics and engineering. The second course, intended as a basic orientation in the potentialities and limitations of industrial acoustics, with at-

tention to the underlying physical principles and instrumentation techniques involved, will be given from June 18 to 22 by Richard H. Bolt and Theodor F. Heuter, director and research associate, respectively, of the MIT Acoustics Laboratory. Further information may be obtained from Walter H. Gale, director of the Summer Session, Room 3-107, Massachusetts Institute of Technology, Cambridge 39, Massachusetts.

AUTORADIOGRAPHY AT OAK RIDGE

A course in the theory and techniques of autoradiography will be held this summer by the Special Training Division of the Oak Ridge Institute of Nuclear Studies, under the directorship of George A. Boyd. Applicants who have completed the Institute's basic radioisotope techniques course or who possess equivalent experience in the use of radioisotopes in medical or biological research will be eligible for this three to four weeks' course beginning on July 2. Subjects to be covered will include photographic theory, reaction of ionizing particles with photographic emulsions, and techniques of making gross and microscopic autoradiograms, including some special histological procedures. Additional information and application forms are available from Ralph T. Overman, Chairman, Special Training Division, Oak Ridge Institute of Nuclear Studies, P. O. Box 117, Oak Ridge, Tennessee.

JOBS AVAILABLE

NOL NEEDS SCIENTISTS

The Naval Ordnance Laboratory, according to a recent communication, has an urgent need for physicists and electrical and electronics engineers. Work assignments are available in theoretical and applied research, engineering development, and technical evaluation. Civil service status is not required at the present time. Inquiries should be addressed to the Personnel Officer, Naval Ordnance Laboratory, White Oak, Silver Spring 19, Maryland.

SO DOES CIVIL SERVICE

The U. S. Civil Service Commission is currently accepting applications for physicists, chemists, metallurgists, mathematicians, and electronic scientists needed to fill positions in the National Bureau of Standards and other Federal agencies in Washington, D. C. and vicinity. Applications and further information may be obtained from most post offices, from Civil Service regional offices, or from the U. S. Civil Service Commission, Washington 25, D. C.

GRANTS AND FELLOWSHIPS

MICHIGAN STATE INVITES APPLICATIONS

The Board of Trustees of the Alumni Fund of Michigan State College has established seven predoctoral Alumni Fellowships, ranging in value from \$800 to \$1,200 per year, for the benefit of graduate students (either resident or non-resident) who wish to pursue a course of study for the PhD degree at Michigan State. Fellows will be exempt from student tuition fees. It has also been announced that one postdoctoral Alumni Fellowship (\$3,000 per year) is available for research in any special field for which the College has appropriate facilities. Applications for the fellowship awards should be submitted before May 15, 1951, and should be addressed to Dean Thomas H. Osgood, School of Graduate Studies, Michigan State College, East Lansing, Michigan.