

1872 until 1923, on August 26, aged eighty-seven years, and of Dr. C. Powell White, for some years director of the Helen Swindells Cancer Research Laboratory at the University of Manchester, pa-

thologist at the Christie Hospital, Manchester, and a member of the executive committee of the British Empire Cancer Campaign, on September 26, aged sixty-three years.

SCIENTIFIC EVENTS

THE AMERICAN ASSOCIATION'S GRANTS FOR RESEARCH

THE American Association for the Advancement of Science grants each year a number of awards to aid in research. The next allotment of these grants will occur during December, 1930. Applications should be addressed to Burton E. Livingston, permanent secretary, Smithsonian Institution Building, Washington, D. C., and should be in his hands not later than December 1.

There will be available for the next year a total of about \$3,000. The amount of the individual grants is usually for sums of from \$50 to \$500. The grants are designed to assist research projects in which some financial assistance will make possible the carrying on of investigations that would otherwise be handicapped. They may be used, for example, for purchasing special apparatus or special facilities that are otherwise unavailable. Application blanks for these grants may be secured from the office of the permanent secretary, although it is not necessary that such special application blanks be used. It is, however, important that any application be supported by letters from qualified scientific men who are acquainted with the proposed research.

These applications are considered by a committee on grants for research, which consists of the following members:

Walter S. Adams, astronomy.
Charles P. Berkey, geology.
Arthur H. Compton, physics.
Karl F. Kellerman, botany.
W. Lash Miller, chemistry.
George H. Parker, zoology.
Oswald Veblen, mathematics.
William C. White, medicine.

Announcement regarding the awards of the grants will be made in January, and the funds can then be secured on demand. When a grant is awarded, it is expected that its recipient make a report within a year as to the progress of the research for which the grant is intended. A report of some kind should be submitted also when the studies are brought to a conclusion. Such a report should give detailed references to any publication that has been made on the grant project, and if reprints or copies of these pub-

lications are available they should be included. It is expected, also, that suitable acknowledgment be made for the financial aid given from such a grant when the results of the studies are published. This acknowledgment might take such a form as "Financial aid for the work here reproduced was received from the American Association for the Advancement of Science in the form of a grant for the year 1931."

ARTHUR H. COMPTON, *Chairman,*
Committee on Grants for Research

HEALTH SURVEYS BY THE YALE SCHOOL OF MEDICINE

CONSTANTLY increasing interest in public health is being evidenced by Connecticut communities, according to a statement made by Dr. Ira V. Hiseock, professor of public health in the Yale School of Medicine. At the present time the department is conducting surveys in four cities and towns, Winsted, Stratford, West Hartford and Haddam. In each instance the study is being made at the request of the community and with the approval of the local health officer and of the state department of health.

Similar surveys, or "public health inventories" have already been made in Greenwich, North Haven, Westport, Middletown, Hartford, Ansonia, New Haven, Hamden, Manchester and Danbury. The printed report of the Danbury survey has just come off the press.

By the terms of the endowment the department of public health at the Yale School of Medicine is charged with the obligation to promote the general cause of public health in the state of Connecticut. Its expert services are therefore placed at the disposal of any community desiring to take stock of conditions pertaining to the health of its members and to inaugurate such measures as may be needed to improve them. Although these services are given without charge, the department makes certain requirements in order to be sure that its efforts will bear fruit. The community must guarantee the full cooperation of all its agencies; a permanent committee must be formed to assist in an advisory capacity in making the survey and to see that the recommendations resulting from the study are carried into effect in so far as possible. The community must also pay the

traveling expenses of the staff and the cost of printing the report.

This work was commenced in 1917, and during the past four years has become so extensive that the staff of the department of public health devotes a considerable amount of its time to it. Selected graduate students also assist in the field work. In general, the department feels a responsibility toward the health programs of the state similar to that which the clinical departments of the School of Medicine bear toward the wards and dispensary of the New Haven Hospital. Full cooperation of state health agencies, including the department of health, dairy and food commissioner, commissioner of domestic animals, water commissioner and department of education is always obtained.

In addition to these health survey activities in Connecticut, Dr. C.-E. A. Winslow, head of the department, and Professor Hiscock have been called upon individually to conduct or assist in conducting health surveys in many communities outside the state, among them Boston, Worcester, New Bedford, Minneapolis; Cattaraugus County, New York, Los Angeles County, Santa Barbara County, California, San Francisco, Honolulu and Kansas City. The department has been called upon to make so many surveys in Connecticut that appointments are now made a year in advance.

ENLARGEMENT OF THE HARVARD PHYSICAL LABORATORIES

HARVARD'S new research laboratory of physics, now under construction, which is to connect the present Jefferson and Cruft physical laboratories, should be completed by the middle of February, according to Dr. F. H. Crawford, instructor and tutor in the division of physical sciences, in a statement for the *Boston Transcript*.

The research laboratory will be approximately two-thirds the size of the Jefferson laboratory and will be devoted entirely to research. In conjunction with its erection, the interior of Jefferson laboratory will be completely remodeled affording much greater laboratory space for students than is now available. The new building has been made possible by an endowment fund raised during the last two years by alumni and many others interested in the physical sciences.

In the basement of the new laboratory will be rooms for high-pressure experimentation, for x-ray apparatus, and for research in high frequency and vacuum tubes. Beneath this will be a sub-basement where there will be a special x-ray work-room sheathed in lead to prevent the filtration of the rays into photographic appliances or other apparatus that they would harmfully affect. The basement is to be equipped with double walls which will prevent outside distur-

bances from affecting the extremely delicate measurements essential to research. Rooms will be sound-proof and of constant temperature. A huge one hundred thousand volt storage battery, one of the largest of its kind in the world, will also be situated underground.

The second floor will be devoted to offices, conference rooms and a section for high frequency and radio research work. The latter is placed near the Cruft laboratory end. According to the contractor's specifications, the new building will have a volume of about five hundred thousand cubic feet and the walls of the library, lecture room and corridors will be coated with a special sound-absorbing plaster.

All motors will be mounted so as to counteract vibration. Another precaution against unnecessary noise is that special blocks of wood will be set in the wall to facilitate the attachment of machines at any time. There will be special electrical connections between all the rooms so that any voltage may be obtained throughout the building. All machines in the laboratory will have their own motors obviating the necessity of setting in motion a large system of generators and pulleys.

The third floor will house a physics library done in oak panelling which will be adjacent to a large conference room. The top floor will be given over to offices, small research rooms and a department devoted to computing equipment.

THE SEMI-CENTENNIAL OF THE NEW JERSEY STATE EXPERIMENT STATION

THE completion of fifty years of service to agriculture by the New Jersey State Agricultural Experiment Station was celebrated at New Brunswick on October 8 and 9. The exercises included a large outdoor meeting under the auspices of the station, at which the principal speaker was Dr. A. F. Woods, director of scientific work of the U. S. Department of Agriculture, and a convocation by Rutgers University addressed by Sir John Russell, director of the Rothamsted Experimental Station, and followed by the conferring of the honorary degree of doctor of science upon six scientific men of international reputation.

These were Dr. L. O. Howard, long chief of the Bureau of Entomology; Dr. C. F. Marbut, chief of the Soil Survey Division; Dr. Theobald Smith, director of the department of animal pathology of the Rockefeller Institute for Medical Research; Sir John Russell, Dr. S. Orla-Jensen, of Denmark, an authority in dairy bacteriology, and Dr. L. B. Mendel, of Yale University, known for his studies in food and nutrition.

H. L. Knight, editor of the *Experiment Station Record*, states that the New Jersey station is one of