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 disturbances from affecting the extremely delicate measurements essential to research. Rooms will be soundproof 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

the pioneer experiment stations in this country. It was organized by act of the state legislature in 1880, thus antedating the Hatch Act by 7 years, and is still maintained without direct federal aid, though associated closely with the New Jersey College Experiment Station under a common directorship since 1895. Its establishment and early development were due largely to the efforts of Dr. George H. Cook, professor of chemistry and natural science in Rutgers, who was its director until his death in 1889. Its subsequent growth and progress have been profoundly influenced by Dr. E. B. Voorhees, its director from 1893 to 1911, and Dr. J. G. Lipman, director since 1911. A feature of the celebration was the unveiling of a memorial tablet commemorating the services of Dr. Cook and Dr. Voorhees.

SCIENTIFIC NOTES AND NEWS

ACCORDING to an Associated Press dispatch from Stockholm the Nobel Prize in medicine has been awarded to Dr. Karl Landsteiner, formerly of the University of Vienna and since 1922 a member of the Rockefeller Institute for Medical Research in pathology and bacteriology.

DR. OTTO FOLIN, professor of biochemistry at Harvard University, has been named as the first recipient of the Scheele Medal, awarded him by the Chemical Society of Stockholm. Award of the medal was announced in connection with the dedication of the Institute for Biochemistry building in Stockholm.

THE Perkin Medal for 1931 has been awarded to Arthur D. Little. This medal is awarded on a basis of a lifetime of achievement by a committee composed of representatives of five leading chemical societies. The presentation will be made at a joint meeting of the societies to be held on January 9, probably at the Chemists' Club, New York.

DR. HUGH S. CUMMING, surgeon-general of the United States Public Health Service, was installed on October 31 as president of the American Public Health Association, succeeding Dr. A. J. Chesley, of St. Paul, Minnesota. Dr. William C. Hassler, health officer of San Francisco, was named president-elect to take office when Dr. Cumming has completed his term in 1931. Other officers named who will assume office next year are Dr. Rafel Silva, of Mexico, first vice-president; Dr. J. W. S. McCullough, of Toronto, second vice-president; Dr. A. H. Flickwir, of Fort Worth, third vice-president; Dr. Louis I. Dublin, of New York, treasurer, and Dr. W. S. Rankin, of Charlotte, North Carolina, chairman of the executive board. Mr. Homer N. Calver, of New York, was reappointed executive secretary.

AT the forty-first annual meeting in Denver, October 14–16, of the Association of American Medical Colleges, the following officers were elected: *President,* Dr. Maurice H. Rees, Denver; *Vice-president,* Dr. Charles C. Bass, New Orleans, and *Secretary-treasurer,* Dr. Fred C. Zapffe, 25 East Washington Street, Chicago (reelected). The next annual meeting will be held in New Orleans in 1931.

DR. CARLETON R. BALL, formerly principal agronomist in charge, Office of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture, and now engaged in agricultural writing, was elected president of Gamma Sigma Delta, Honorary Society of Agriculture, at its annual meeting on October 14.

CARLOS E. CHARDON, commissioner of agriculture of Porto Rico, has been elected chancellor of the University of Porto Rico, succeeding Dr. Thomas E. Benner, who is now at Teachers College, Columbia University. Commissioner Chardon, who is thirty-three years old, is a graduate of Cornell University and is the first Porto Rican chosen to head the university.

DR. A. L. STRAND, of the University of Minnesota, has accepted the appointment as head of the department of entomology at the Montana State College, Bozeman, succeeding Professor R. A. Cooley, who will devote himself to research work. The appointment carries with it the positions of entomologist of the experiment station, state entomologist and secretary of the State Board of Entomology.

DR. RALPH W. CHANEY, of the Carnegie Institution of Washington, who has been carrying on teaching in the department of paleontology at the University of California during the past semester in conjunction with his work for the institution, has been appointed lecturer at the university. He is instructing some of the classes which were given by Professor W. D. Matthew, chairman of the department, whose death occurred on September 24.

RAYMOND H. ROGERS, class of 1925, New York State College of Forestry, in charge of the Iroquois Forest of F. Ambrose Clarke, Cooperstown, New York, has been awarded a forestry fellowship by the Charles Lathrop Pack Forest Education Board.

DR. H. T. HILLSTROM, of the University of Minnesota, has been appointed head of the department of roentgenology and radio-therapy at Vanderbilt University.