

be centralized, so that the various departments of the institution, as well as the three officers directly concerned with administration, namely, the dean of the medical school, the superintendent of the hospital and the principal of the school of nursing, will be responsible to the board of directors through the newly appointed executive officer.

The New York Post-Graduate Medical School and Hospital, founded by Dr. D. B. St. John Roosa in 1882, was incorporated on May 25, 1886, the object of the incorporation being the establishment of a school for the further instruction of persons already possessing the degree of doctor in medicine, and a hospital for the treatment of diseased and injured persons.

During the 42 years since its incorporation, over 25,000 physicians have matriculated at the medical school, coming from every state in the union and from many foreign countries to take graduate courses here.

The directors of the institution, appreciating the need of a new program adequate to the demands of advancing medical practice, have determined to build up for the institution such a program of medical opportunity in teaching and research, and such a financial foundation as will enable it more adequately to serve the field. In this connection it is significant that the New York Academy of Medicine has just completed a series of studies on the past, present and future of graduate medicine in the vicinity of New York. The study on the future of graduate medicine was prepared by a member of the staff of the New York Post-Graduate Medical School and lays chief emphasis on the fact that graduate medical teaching, like undergraduate teaching, is a part of the national health service.

THE ST. LOUIS MEETING OF THE AMERICAN CHEMICAL SOCIETY

A SYMPOSIUM on atomic structure and valence has been arranged in connection with the seventy-fifth meeting of the American Chemical Society which meets in St. Louis, from April 16 to 19. The underlying purpose of the symposium, according to a statement made by Professor George L. Clark, of the University of Illinois, chairman of the division of physical and inorganic chemistry, is to acquaint physicists and chemists with each other's points of view and each other's demands which must be satisfied by any comprehensive theory of atomic structure in the effort to arrive at some common basis of understanding.

Speakers will include: Professor M. S. Kharasch, University of Maryland; Professor William D. Harkins, University of Chicago; Professor Samuel C. Lind, University of Minnesota; Professor C. E. M. Jauncey, Washington University, St. Louis; Karl K.

Darrow, Bell Telephone Company; Professor W. H. Rodebush, University of Illinois; Professor J. H. VanVleck, University of Minnesota; Professor W. A. Noyes, University of Illinois; Professor H. Shipley Fry, University of Cincinnati; Professor Donald H. Andrews, the Johns Hopkins University; Victor Cofman, E. I. duPont de Nemours and Company.

All divisions of the society except the colloid, fertilizer, and leather and gelatin chemistry divisions will meet at St. Louis. A preliminary report of the section programs was printed in *SCIENCE* for March 2, page 235.

Following the registration of delegates at the Hotel Chase, the opening event will be a meeting at 2:00 p. m., on Monday, April 16, of the society's Council, presided over by the president of the society, Dr. S. W. Parr, professor emeritus of industrial chemistry in the University of Illinois.

G. S. Robins, of the G. S. Robins and Company, 316 South Commercial Street, St. Louis, has been appointed chairman of the executive committee in charge of arrangements for the convention. Other St. Louis committee chairmen have been named as follows: *Finance*, H. A. Carlton, Mallinckrodt Chemical Works; *divisional meetings*, L. A. Watt, Monsanto Chemical Works; *hotel arrangements*, Eugene S. Weil, G. S. Robins and Company; *registration*, T. R. Ball, Washington University; *transportation and plant visits*, J. R. Hoff, Anheuser-Busch; *entertainment*, Ralph R. Matthews, Roxana Petroleum Company; *ladies' entertainment*, Mrs. R. R. Matthews; *speakers' committee*, F. W. Russe, Mallinckrodt Chemical Works; *program*, A. F. Schlichting, St. Louis College of Pharmacy; *publicity*, Chas. W. Rodewald, Washington University.

THE MILTON RESEARCH AWARDS OF HARVARD UNIVERSITY

ANNOUNCEMENT is made of thirty-seven awards to teachers in Harvard University, in accordance with the provisions of the Milton Fund for Research. This fund, which Harvard received in 1924, yields about \$50,000 a year.

After the death of his wife the bulk of the estate of the late William F. Milton, '58, was to go to Harvard University for the building of a university library, or, if the university had a suitable library building, to defray the expenses of any special investigation of a medical, geographical, historical or scientific nature. It was further stated that such investigation should be "in the interests of, or for promoting the physical and material welfare and prosperity of the human race, or to assist in the discovery and perfecting of any special means of alleviating or curing

human disease, or to investigate and determine the value or importance of any discovery or invention, or any other special or temporary object of the nature above stated."

A committee was appointed, consisting of Mr. Frank B. Jewett, electrical engineer of New York, *chairman*; Professor Edwin F. Gay, of Harvard's Economics Department, and Dr. W. J. V. Osterhout, botanist of the Rockefeller Foundation; to advise the president and fellows of Harvard College in making a selection among the investigations proposed by any member of the instructing, scientific or administrative staff of the university. Requests for aid in such research were received by the committee this year up to January 10.

The grants from the Milton Fund for next year include the following:

Thomas Barbour, director of the University Museum, and Dr. Afranio Do Amaral, lecturer on ophiology, to enable them to collect neotropical snake venom for use in experimentation concerning the nature of snake venom and in preparing the curative antivenin.

Percy W. Bridgman, Hollis professor of mathematics and natural philosophy, to pay for the salaries of assistants and the purchase of apparatus to continue his work on high pressure studies and on an investigation on the properties of single crystals.

Edward S. Castle, assistant in physiology, to pay for the services of a technician in constructing apparatus for the study of the growth of plants in relation to light and temperature.

William J. Crozier, professor of general physiology, for the study of the nature of central nervous processes.

Walter F. Dearborn, professor of education, for the study of the mental and physical development of school children.

William Duane, professor of biophysics, for research in X-radiation.

Robert Emerson, research fellow in general physiology, for the services of a technician to set up and calibrate precision apparatus to study the formation of chlorophyll and development of its photosynthetic activity.

George S. Forbes, professor of chemistry, for chemicals, supplies and apparatus to be used in an investigation of conditions for electrochemical equilibrium.

Worthington C. Ford, lecturer on historical manuscripts, to complete his research in the sources of American history.

Charles Hartshorne, instructor in philosophy, to complete the preparation for publication of five volumes of the Charles S. Peirce manuscripts on philosophy.

Leigh Hoadley, assistant professor of zoology, for supplies, apparatus, expenses, etc., for an assistant in an investigation of the embryonic segregation preceding primitive streak formation in the vertebrate embryo.

Hudson Hoagland, research fellow in general physiology, for the services of an assistant to examine the underlying mechanism of tonic immobility in vertebrates.

Earnest A. Hooton, associate professor of anthropology, to continue his study of race and nationality in their relation to crime in the United States.

Grinnell Jones, associate professor of chemistry, for chemicals and apparatus, etc., in an investigation of properties of solutions of electrolytes.

Edwin C. Kemble, associate professor of physics, for the purchase of a Kipp thermo-relay amplifier and galvanometer for use in determining infra-red absorption spectra of gases.

Arthur B. Lamb, Sheldon Emory professor of organic chemistry and director of the chemical laboratory, to continue research on crystalline adsorbents.

Albert E. Navez, lecturer on physiology, for the services of an assistant to build apparatus and make experimental observations in connection with a research of geotropism in plants.

Ralph B. Perry, professor of philosophy, to prepare a volume on William James, philosopher and psychologist, from his unpublished correspondence, lecture notes, etc., in the Widener Library.

Harlow Shapley, Paine professor of practical astronomy and director of the Harvard College Observatory, to continue his research on variable stars and the dimensions of the Galaxy.

Theodore J. B. Stier, assistant in the division of biology, for the part-time services of an assistant to construct apparatus to be used in an investigation of the effects of temperature on the spontaneous activity of mice.

Robert DeC. Ward, professor of climatology, to study climatology of North America and of the West Indies for inclusion in a volume on the world's climates edited by Professor W. Köppen.

Jeffries Wyman, Jr., instructor in zoology, for expense of apparatus and materials for a study of the physical chemistry of the proteins.

SCIENTIFIC NOTES AND NEWS

THEODORE WILLIAM RICHARDS, professor of chemistry at Harvard University since 1894, director of the Gibbs Memorial Laboratory since 1912, died on April 2, at the age of sixty years.

THE sixty-fourth annual meeting of the National Academy of Sciences will be held in its building in Washington, D. C., on April 23, 24 and 25.

THE annual meeting of the American Philosophical Society will be held in the hall of the society at Independence Square, Philadelphia, on April 19, 20 and 21, under the presidency of Dr. Francis X. Dercum.

THE regular spring meeting of the executive committee of the American Association for the Advancement of Science will be held in Washington on Sunday, April 22. Matters to be considered by the committee should be in the hands of the permanent secretary a few days before the meeting.