

but on the coast. The records made there will be compared with those taken at Mount Evans and with others taken in a tent station upon the ice-cap about thirty miles east of Mount Evans during a period of fifty days in the months of January, February and March, 1928. This comparative study, which is of great importance in view of the peculiarly local character of Greenland weather observations, is in charge of Dr. J. E. Church, Jr., a member of two of the expeditions and the companion of Helge Bangsted in the winter ice-cap expedition of 1928. The first volume ("Aerology") will include the tabulated aerological observations with accompanying graphs.

WILLIAM HERBERT HOBBS

ANN ARBOR, MICHIGAN

CHEMICAL EDUCATION AT THE JOHNS HOPKINS UNIVERSITY

As has been recorded here the Francis P. Garvan Chair of Chemical Education was dedicated at the Johns Hopkins University on October 11. An article in *Industrial and Engineering Chemistry* reports that the dedication took place with due ceremony in the main auditorium of Remsen Hall at Homewood, the dedicatory address being given by Dr. Joseph S. Ames, president of the university. In response an address prepared by Mr. Garvan was read. Dr. John J. Abel and Dr. Irving Langmuir spoke on "The Education of the Superior Student," and in the afternoon a conference on "The Selection and Training of the Superior Student" was held, attended by the donors of fellowships and by distinguished guest chemists and educators, as well as officials and chemistry faculty of the university.

In the evening Dr. C. E. K. Mees, director of research of the Eastman Kodak Company, gave a popular illustrated lecture on "The Formation of the Photographic Image." This was the first of a series of public lectures to be given at the Johns Hopkins University during the academic year under the newly established A. R. L. Dohme lectureship. The lecturers announced in addition to Dr. Mees include the following: Max Bodenstein, Frederick George Donnan, R. A. Millikan, F. O. Clements, F. G. Cottrell, C. M. A. Stine, W. B. Brockway, John J. Abel, F. C. Frary and N. A. Shepard.

The new plan for the selection and training of superior students in chemistry, recently formulated at the Johns Hopkins University, was initiated simultaneously with the dedication. In all, nineteen fellowships have been established on this plan, each providing \$1,000 annually for four years, continuance from year to year depending on a satisfactory record. Nine holders of fellowships have already enrolled. The donors and the states from which the students will come are as follows:

Eli Lilly Co., Indiana.
 Firestone Tire and Rubber Co., Ohio.
 J. T. Baker Chemical Co., New Jersey.
 H. A. B. Dunning, Maryland.
 Bill Raskob Foundation, Delaware.
 Brown Co., Maine and New Hampshire.
 Kewaunee Mfg. Co., Wisconsin.
 General Motors Corp., Michigan.
 Carbide and Carbon Chemicals Corp., West Virginia.
 William S. Speed, Kentucky.
 Fleischmann Co., Washington.
 Francis P. Garvan, New York. One for New York State, one in honor of his mother, Mary Carroll Garvan, and one in honor of his father, Patrick Garvan, of Connecticut.
 John Wiley & Sons, Pennsylvania.
 U. S. Industrial Alcohol Co., Louisiana.
 Hormel Foundation, Minnesota.
 E. I. du Pont de Nemours & Co., Inc., Virginia.

FORESTRY EDUCATION

PLANS for an investigation of the problems of forest education are being sponsored by the Society of American Foresters, with Dr. Henry S. Graves, dean of the Yale School of Forestry, as director. The inquiry has been made possible by a grant of \$30,000 by the Carnegie Corporation of New York.

The responsibility for the conduct of the inquiry has been delegated to Dean Graves, *director*; C. H. Guise, assistant professor of forest management at Cornell University, *assistant director*; Dr. George A. Works, president of the Connecticut Agricultural College, adviser in the field of education, and Dr. E. J. Kraus, professor of botany at the University of Chicago, adviser in the general field of science. The inquiry will first secure information about forestry as an occupation, about institutions now teaching forestry and about the success and shortcomings of the present systems of forest education. The information will then be analyzed and a solution to educational problems will be attempted. Information will be sought as to the number of trained men who may be absorbed in each type of occupation in forestry, the opportunities for advancement, compensation, living conditions and opportunities for creative work and community service. A comparative study of forest education in foreign countries will be made. A large amount of information has already been obtained from the National Academy of Sciences. Special attention will be given to the systems of forestry in Canada, Europe and the Orient.

The special committee of the Society of American Foresters, which will assist in the inquiry and which may be enlarged later, includes Robert Y. Stuart, chief forester, U. S. Forest Service, *chairman*; Irving W. Bailey, professor of plant anatomy, Harvard University; Earl H. Clapp, chief of the branch of re-

search, U. S. Forest Service; Livingston Farrand, president, Cornell University; Henry S. Graves, dean, Yale School of Forestry; William B. Greeley, secretary and manager, West Coast Lumbermen's Association; Lewis R. Jones, professor of plant pathology, University of Wisconsin; Raymond E. Marsh, branch of research, U. S. Forest Service, and secretary of the Society of American Forests (*ex-officio*); David T. Mason, consulting forester; Barrington Moore,

editor of *Ecology*; Charles Lathrop Pack, president, American Tree Association; W. A. Pickering, Pickering Lumber Company; John F. Preston, Hammermill Paper Company; Paul Redington, chief of the U. S. Biological Survey and president of the Society of American Foresters (*ex-officio*); R. B. Robertson, president, Champion Fiber Company; Ward Shepard, branch of public relations, U. S. Forest Service, and E. O. Siecke, state forester of Texas.

SCIENTIFIC NOTES AND NEWS

THE one hundredth anniversary of the birth of Dr. S. Weir Mitchell will be commemorated on November 6 in Mitchell Hall at the College of Physicians of Philadelphia, by an address by Dr. Frederick Tilney, of New York, on "The Structural Basis of Behaviorism."

A PORTRAIT of the late Arthur Loevenhart, former head of the department of pharmacology of the medical school of the University of Wisconsin, has been hung in the auditorium of the Memorial Institute of the Wisconsin General Hospital. The portrait is an expression of appreciation for the service that Dr. Loevenhart has rendered to the university and to the nation. The donors are colleagues, friends and students. The portrait is by R. S. Stebbins, of the art department of the university.

A BAS-RELIEF in memory of Dr. John Howland was unveiled on October 17, in the amphitheater of the Harriet Lane Home for Invalid Children of Johns Hopkins Hospital, Baltimore. Dr. Howland, before his death in London in 1926, was director of the home for fourteen years and head of the department of pediatrics at the Johns Hopkins University School of Medicine. Dr. Joseph S. Ames, president of the university; Dr. William S. Thayer, past president of the American Medical Association; Mr. Charles H. Baetjer, president of the board of managers of the Harriet Lane Home, and Dr. Edward A. Park, who succeeded Dr. Howland, were the speakers. The bas-relief of stained marble has a likeness of Dr. Howland in the center, and that of a child on each side.

AMONG paintings presented to Columbia University on the occasion of the celebration of its one hundred and seventy-fifth anniversary are portraits of Dr. Henry Fairfield Osborn, research professor of zoology (artist, Kenneth Frazier); Dr. Michael I. Pupin, class of 1883, professor of electromechanics (artist, Mrs. Emmett Rand), and Dr. Edmund B. Wilson, DaCosta emeritus professor of zoology in residence (artist, William Steene).

DR. SIMON FLEXNER, director of the Rockefeller Institute for Medical Research, will deliver the anniversary

discourse at the eighty-third annual meeting of the New York Academy of Medicine on November 7 at 8:30 P. M. His subject will be "The Infinitely Small in Biology and Medicine."

THE gold medal of the Mining and Metallurgical Society of America has been awarded to Cornelius F. Kelly, president of the Anaconda Copper Mining Company, for "distinguished services in expanding and stabilizing the industry."

THE John Scott medal has been awarded by the city of Philadelphia to C. P. Dubbs "for the discovery and development of a process for economically producing gasoline on a large scale."

QUEENS UNIVERSITY recently conferred the honorary degree of doctor of laws on Charles Le Geyt Fortescue, chief consulting transmission engineer for the Westinghouse Electric and Manufacturing Company.

DR. REGINALD A. FESSENDEN, consulting engineer and inventor, has been chosen to receive the *Scientific American* gold medal for promoting safety at sea awarded through the American Museum of Safety. The medal will be presented to Dr. Fessenden by Arthur Williams, president of the American Museum of Safety, at a luncheon at the Union League Club on November 7. Dr. Fessenden's inventions include the fathometer, a device for obtaining quick and accurate soundings for vessels, direction finders, electrical and radio devices and compasses.

DR. LOUISE PEARCE, of the Rockefeller Institute for Medical Research, New York, has been elected an honorary member of the British Medical Society for the Study of Venereal Diseases.

DR. KARL BURCKHARDT, the geologist, of Mexico; Dr. David Hilbert, Dr. I. Hadamard and Dr. Salvatore Poncheile, professors of mathematics at Göttingen, Paris and Boulogne, respectively, have been elected foreign members of the Swiss Scientific Association.

THE council of the British Institution of Civil Engineers has awarded the Indian premium for the ses-