

the title of the committee. Its chairman was Professor H. F. Moore, of the department of theoretical and applied mechanics, of the University of Illinois, and during the war and afterward some small pieces of research work were carried out under the auspices of the committee, mainly in the materials testing laboratory of the college of engineering of the University of Illinois by the chairman of the committee, and by W. J. Putnam, and A. G. Gehrig. The National Research Council recommended that the bulk of the income of the Engineering Foundation be given to the support of an extensive investigation of the resistance of metals to fatigue under repeated loading, and that Professor Moore be asked to take charge of the investigation.

Engineering Education, from which these facts are quoted, states that the formal arrangements have been completed for the active prosecution of this work, with headquarters and a laboratory at the University of Illinois. The financial support for the investigation will amount to \$30,000, and it is expected to extend over a period of two years. Material for study and apparatus is already arriving, and a room is being fitted up for the installation of the score or more of special testing machines which will be required for the investigation.

The investigation is under the joint auspices of the Engineering Foundation, the University of Illinois Engineering Experiment Station, and the National Research Council, the last-named body being represented by an advisory committee of nine members, of which Professor Moore is chairman. In addition to the funds supplied by the Engineering Foundation, the university furnished Professor Moore's services, light, heat, power, a laboratory room, and the use of the standard testing equipment of the materials testing laboratory.

SCIENTIFIC NOTES AND NEWS

THE degree of doctor of laws was conferred on Professor Theodore W. Richards, director of the Wolcott Gibbs Laboratory of Harvard

University, at the University Day exercises of the University of Pennsylvania.

PROFESSOR ANTON J. CARLSON, chairman of the department of physiology at the University of Chicago, has been made an honorary M.D. by the University of Lund, Sweden. Professor Carlson has also been made a corresponding member of the French Biological Society.

PROFESSOR J. M. T. FINNEY, of the Johns Hopkins University, and Dr. Charles H. Mayo, of Rochester, Minn., have been elected honorary fellows of the Royal College of Surgeons of England.

MR. GIFFORD PINCHOT, of Milford, Pa., former chief forester of the United States, has been appointed commissioner of forestry of Pennsylvania by Governor Sproul to succeed Robert S. Conklin, of Columbia, who resigned to become a member of the State Water Supply Commission.

DR. HENRY GRAVES, chief of the U. S. Forest Service, and Albert F. Pottee, associate forester, have resigned.

PROFESSOR ROBERT B. RIGGS, for thirty-three years professor of chemistry at Trinity College, will retire at the close of the present college year.

MR. R. M. BROWN, formerly librarian of the Coast and Geodetic Survey, has accepted an appointment with Rand, McNally and Company, to prepare and edit material for a new edition of their atlas of the world.

MR. GEORGE A. RANKIN, formerly with the Pittsburgh Plate Glass Company, and captain in the Chemical Warfare Service during the war, has joined the staff of the Geophysical Laboratory of the Carnegie Institution of Washington.

JULIUS MATZ, formerly with the Florida Agricultural Experiment Station and for the past year assistant plant pathologist at the Insular Experiment Station of Porto Rico, has been appointed chief of the division of botany and plant pathology at the Insular Experiment Station, Rio Piedrus, P. R., beginning on January 1, 1920.

MR. PAUL A. MURPHY, field laboratory of plant pathology, Charlottetown, P. E. I., has resigned his position as officer in charge of potato disease investigation under the Dominion Department of Agriculture and will take up work on April 1, as assistant with Dr. Pethybridge in the division of seeds and plant diseases in charge of plant pathological work in Ireland. His new address will be Royal College of Science, Dublin.

ASSOCIATE CURATOR W. R. MAXON, of the U. S. National Museum, and his assistant, Mr. Killip, are making the Cinchona Tropical Botanical Station their base during March and April, while carrying on botanical exploration of the northern slopes of the Blue Mountains of Jamaica. Only small areas of this region have been actually explored by botanists, and it is to be expected that many interesting types of ferns and angiosperms are yet to be discovered in the primeval forest which covers this region.

WE learn from the *Journal* of the American Medical Association that Dr. Victor G. Heiser, of the Rockefeller Foundation, has returned to New York after a trip to Porto Rico with Dr. Grant to make a study of sanitary conditions of the island, especially as regards hookworm disease. Dr. Louis Shapiro, of the Rockefeller Institute, is now in Colombia at the request of the Colombian government, making a study of the prevalence of leprosy, malaria and hookworm disease.

THE Puget Sound Biological Station will hold its annual session, beginning June 21 and continuing for six weeks with the class work. The station, however, is open several weeks longer. The staff, exclusive of assistants, this year will consist of Dr. B. M. Allen, embryology, University of Kansas; Dr. Nathan Fasten, morphology, University of Washington; Dr. T. C. Frye, director, algæ, University of Washington; Professor F. W. Gail, algæ, University of Idaho; Dr. E. J. Lund, physiology, University of Minnesota; Dr. V. E. Shelford, ecology, University of Illinois, and Professor A. R. Sweetser, plant taxonomy, University of Oregon.

PROFESSOR ALBERT M. REESE, of West Virginia University, lectured upon "The Work of the Tropical Biological Station of British Guiana," with special reference to Crocodilia, on March 5, at Oberlin College.

PROFESSOR ARTHUR KEITH delivered the Galton lecture before the Engineers' Education Society on February 16, the anniversary of Sir Francis Galton's birth.

At a public meeting held on March 7, at Oxford University, it was decided to form the "Osler Institute of General Pathology and Preventive Medicine" as a permanent memorial to the late Sir William Osler.

PROFESSOR OTTO BÜTSCHLI, of Heidelberg, distinguished for his contributions to cytology and other departments of experimental zoology, died early in February, aged seventy-two years.

UNIVERSITY AND EDUCATIONAL NEWS

THE General Education Board has appropriated \$250,000 to an endowment fund of at least \$500,000 to be used by Howard University for medical education, "the income from the appropriation to be made available pending the completion of the full amount."

PLANS have been completed for a new chemical laboratory at Cornell University, and work will start immediately upon the closing of the spring term. The increased facilities which the new laboratory will afford will enlarge the scope of the department and will make possible the opening of new branches, in particular a department of industrial research for chemists.

ACCORDING to plans now being considered by the authorities of the Johns Hopkins University, the libraries of the hospital, the school of hygiene, and the medical school ultimately will be collected under one roof in a new library building to be erected in the hospital group.

GIRTON COLLEGE, Cambridge, has received a gift of £10,000, the capital and interest of