

cent.; mechanical engineering, 24,651—7,008 or 28 per cent.; electrical engineering, 20,818—4,595 or 22 per cent.

THE WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY

THE Worcester Foundation for Experimental Biology, at Clark University, has recently been incorporated. The purpose of this organization is "to carry on investigations in the biological sciences, including the medical sciences." Professor Harlow Shapley, director of the Harvard Astronomical Observatory, is the president of its board of eleven trustees. Others on the board are Dr. R. G. Hoskins, director of the Memorial Foundation for Neuroendocrine Research; Dr. W. J. Crozier, professor of general physiology at Harvard University, and Dr. William Malamud, clinical director of the Worcester State Hospital and professor of psychiatry at Tufts College. Professor Hudson Hoagland, on war leave from his work at Clark University, is executive director of the foundation, and Dr. Gregory Pineus, visiting professor at Clark University, is director of laboratories. Researches sponsored by the foundation are being carried out by some dozen investigators.

The foundation is primarily interested in the general physiology and biochemistry of the hormones and respiratory enzymes and their possible interrelations. It is also concerned with applications of such work to studies of psychomotor fatigue, particularly in in-

dustrial, and to neuropsychiatric problems. Extensive clinical facilities for the latter work are available at the Worcester State Hospital, where the research staff, including members of the Memorial Foundation for Neuroendocrine Research, are cooperating closely with the work of the foundation.

THE NAPLES ZOOLOGICAL STATION

SOME time ago the National Research Council received information that the Naples Zoological Station was physically intact and its staff still on the ground, with Dr. G. Montalenti as acting director. The following additional information has now been received: The aquarium is now open to Allied officers and soldiers on the payment of an admission fee. The Military Services have assisted the aquarium in its publicity and the promotion of visits by groups of soldiers.

Certain funds have been made available to the aquarium to replace the former state and city subsidies.

The Royal Society of London also has made a grant of £1,000 to the station for its 1944 program of research.

The Army has been assured by the acting director that with the above-mentioned assistance the aquarium and zoological station can now carry on an active program of research in which certain professors of the University of Naples and their students are participating.

ROSS G. HARRISON

SCIENTIFIC NOTES AND NEWS

THE Eli Lilly and Company Prize of \$1,000 for 1944 will be presented on April 5 at the one hundred and seventh meeting of the American Chemical Society at Cleveland to Dr. Joseph Stewart Fruton, of the Rockefeller Institute for Medical Research, New York, in recognition of his "fundamental studies on the isolation, purification, mode of action and specificity of proteolytic enzymes of both plant and animal origin. The use of synthetic peptides as a tool in studying the specificity of enzymes was developed to a high degree and has afforded a new insight into the role of enzymes in the hydrolysis and synthesis of proteins."

At the same meeting the Borden Company Prize for 1944 of \$1,000 for research in the chemistry of milk will be presented to Dr. William Mansfield Clark, DeLamar professor of physiological chemistry at the Johns Hopkins University and chairman of the Division of Chemistry and Chemical Technology of the National Research Council, for his contributions to the application of acid-base theory to laboratory and plant practice. "As a result of his work and writings," according to the citation, "the old haphazard and often

irrational procedures in the dairy industry and other industries have been fruitfully transformed during the past years to precise scientific manipulations."

OFFICERS of the Ecological Society of America have been elected for 1944 as follows: *President*, Robert F. Griggs, National Research Council; *Vice-president*, Alfred C. Redfield, Oceanographic Institution, Woods Hole; *Treasurer*, H. J. Oosting, Duke University; *Executive Committee Member*, J. M. Aikman, Iowa State College; *Editorial Board Ecology*—for Botany, Paul B. Sears, Oberlin College, and Hardy L. Shirley, Allegheny Forest Experimental Station; for Zoology, P. L. Errington, the Iowa State College; and G. E. Hutchinson, Yale University; *Editorial Board Ecological Monographs*—for Botany, F. W. Albertson, Kansas State College; for Zoology, H. E. Ewing, National Museum and U. S. Department of Agriculture; *Representative, Union of American Biological Societies*, Robert E. Coker, University of North Carolina; *Representative, National Research Council*, H. A. Gleason, New York Botanical Garden; *Chairman*,

Committee on Preservation of Natural Conditions, Curtis L. Newcombe.

At the forty-ninth meeting of the Michigan Academy of Science, Arts and Letters, held in Ann Arbor on March 17 and 18, the following officers were elected: *President*, Alfred L. Nelson, chairman of the department of mathematics, Wayne University; *Vice-president*, Harry D. Ruhl, head of the Game Division of the Michigan State Department of Conservation; *Secretary*, Frederick K. Sparrow, Jr., of the department of botany of the University of Michigan; *Treasurer*, Mischa Titiev, of the department of anthropology; *Librarian*, Warner G. Rice, director of the library, and *Editor*, Henry van der Schalie, of the University Museums.

DR. HENRY C. FIXOTT, of Portland, Ore., has been elected president of the American College of Dentists.

New appointments to the medical faculty of Columbia University include Dr. Edgar M. Medlar, director of the Hegeman Memorial Research Laboratory, New York, as associate professor of pathology, and Dr. Samuel Gelfan, director of research of the Van Patten Pharmaceutical Company, Chicago, as assistant professor of physiology.

DR. JOHN D. LITTLE, of the department of pediatrics of the College of Physicians and Surgeons of Columbia University, has been appointed professor of pediatrics in the School of Medicine of the University of Southern California and director of pediatrics at the Los Angeles Children's Hospital.

DR. FRANK E. EGLER, of the department of physics of Syracuse University and the department of botany of the New York State College of Forestry, has been appointed associate professor of physics at Knox College. He will maintain his connection with the Chicle Development Company.

DR. THOMAS PARRAN, of New York, has been nominated by President Roosevelt to be Surgeon General of the U. S. Public Health Service for another term of four years.

At a recent meeting of the Executive Committee of the Board of Directors of the Long Island Biological Association, Professor Harlow Shapley, director of the Harvard Observatory, was elected a member of the board. Dr. Berwind P. Kaufmann, of the Carnegie Institution, Cold Spring Harbor, New York, was elected assistant secretary of the association and will carry on the work of the office of secretary, left vacant by the death of Dr. Chas. B. Davenport, until this office is again filled.

AUSTIN F. HAWES, since 1921 forester of the State of Connecticut, retired on January 30. William C. Shepard has been the acting state forester during

February and March. Dr. Raymond Kienholz, of the department of forestry of Connecticut College at New London, becomes state forester on April 1.

DR. JAMES A. CRABTREE, executive assistant to the Surgeon General of the U. S. Public Health Service, who since April 1, 1943, has served as chief medical officer of the Office of Foreign Relations Administration, has been appointed acting chief of the health division of the United Nations Relief and Rehabilitation Administration.

DR. DAVID SARNOFF, president of the Radio Corporation of America, has been called to active duty as a colonel in the Army Signal Corps. In his absence Major General James G. Harbord, U.S.A., retired, chairman of the board, will take over the active management of the company.

GRANTS-IN-AID for research for the year 1944-45 have been made by the American College of Dentists to Dr. B. Gottlieb, of the College of Dentistry of Baylor University, Dallas, \$300 for a histological study of dental caries; to Wendell L. Wylie, of the Dental School of the University of California, \$500 for a study of the dental conditions of monozygotic twins, and to Dr. H. R. Hunt and Dr. C. A. Hoppert, of Michigan State College, East Lansing, \$500 for the continuation of a study of inheritance in rat caries.

At the College of Medicine of Wayne University studies on protein metabolism will be carried out under the supervision of Dr. John W. Hirshfeld, assistant professor of surgery, and Dr. Arthur H. Smith, professor of physiological chemistry. The project will be financed through the Office of Scientific Research and Development. The department of physiological chemistry of the College of Medicine has received a grant of \$900 from the Gerber Products Company to be used in the study of cereal-milk products.

THE report for 1943 of the Rockefeller Foundation states that Dr. Charles N. Leach, of the Far Eastern field staff of the International Health Division, and C. G. Copley, of the Manila office of the foundation, returned to America last December on the exchange ship *Gripsholm*. Both had been interned since the fall of Manila. At that time, the Japanese looted the office of the foundation and destroyed all records. In China, Dr. Henry S. Houghton, director of the Peiping Union Medical College, and Trevor Bowen, its comptroller, are still imprisoned, and hope for their early return seems slight. The buildings of the college have been taken over by the military and the greater part of their contents has been removed.

DR. BRUCE L. CLARK, associate professor of paleontology and curator of the Museum of Paleontology of the University of California at Berkeley, is leaving for Mexico to make a study of Tertiary fossils. He

has completed a monograph on the Eocene faunas of South America and hopes to obtain specimens that will enable him to establish more accurately the correlations between North and South America.

DR. ANDREW TOPPING, deputy medical officer of health of the London County Council, has been appointed chief medical officer to the United Nations Relief and Rehabilitation Administration.

It is reported in *Nature* that the British Medical Research Council has established a unit for research in human nutrition as part of its staff organization, and that Dr. B. S. Platt has been appointed its director. Temporary accommodation has been provided at the National Hospital for Nervous Diseases, Queen Square, London. Some part of the investigations undertaken by the unit will be directed toward nutrition problems in the tropics. Among other things, Dr. Platt will continue the work, for which he joined the staff of the council in 1938, of coordinating a program of nutritional investigations in the Colonies by arrangement between the Colonial Office and the council.

PROFESSOR HENRY A. MATTELL, director of the department of biochemistry at the University of Iowa, gave the annual Day Lecture before the Chapter of Sigma Xi of the University of Rochester on February 22. His subject was "The Long and Short of Nutrition."

At the request of the Coordinator of Inter-American Affairs, Brazil, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Paraguay and Peru have sent sixteen representatives to the University of California at Berkeley for a special course to be given by the new School of Public Health. There will be two terms of sixteen weeks covering problems of nutrition and personal hygiene; sanitary bacteriology and environmental sanitation; general education and sociology; public health administration, and health education. The teaching staff will include members of the School of Education and of the department of home economics and social welfare; the School of Medicine at San Francisco; and representatives of the U. S. Public Health Service, the Children's Bureau of the Department of Labor and the State Department of Public Health.

AN appropriation amounting to \$135,732 for grants-in-aid for research has been made to the University of Wisconsin by the Alumni Research Foundation.

THE Medical Branch at Galveston of the University of Texas has received grants of \$2,400 each for the support of fellowships in pharmacology from Frederick Stearns and Company of Detroit and from the Bilhuber-Knoll Company of Orange, N. J.

It is stated in *The Museum News* that Eagle's Nest, the home of the late William K. Vanderbilt, Jr., at Huntington, Long Island, is to become a public museum and park. The will, filed in January, provides that the Vanderbilt Marine Museum, which was built on the grounds by Commodore Vanderbilt in 1922, the mansion with certain furnishings and the land shall become public property upon the death of Mrs. Vanderbilt or after she may cease to occupy the home. Administration will be by three trustees who are to offer the property first to New York State or then to the county or finally to the town of Huntington. If the gift is not accepted, the trustees after two years are to create an organization to control the museum and park. The will provides for a trust fund of \$2,000,000 of which the income will be for operation and maintenance. Eventually this fund will be substantially increased from the residuary estate, the value of which has not yet been determined.

APPLICATION has been filed with the Federal Communications Commission for a unique type of FM broadcasting station for the Washington, D. C., area. The application was filed in the name of the FM Development Foundation, organized by Professor Edwin H. Armstrong, of Columbia University, inventor of the FM system, and by C. M. Jansky, Jr., and Stuart L. Bailey, members of the Washington consulting engineering firm of Jansky & Bailey, who constructed the first FM station there. The proposed site of the station is at Olney, Md., and the transmitting equipment will be substantially a duplicate of Professor Armstrong's station at Alpine, N. J. The foundation is organized to carry on research to foster the development of the FM broadcasting art.

DISCUSSION

INSTIGATOR OF THE WEATHER BUREAU

THE issue of *SCIENCE* for December 24, 1943, in the biographical sketches contributed by Everett I. Yowell errs in crediting Cleveland Abbe with initiating "a system of daily weather reports and storm predictions which led to the establishment of the United States

Weather Bureau" (page 553), and the tablet at the Abbe Meteorological Observatory in Cincinnati is wrong in calling him the "First official United States Weather Forecaster" (page 555). Instead, the credit for these achievements should go to Increase A. Lapham (1811-75) of Wisconsin.