

sorts can be carried on satisfactorily during the dampest weather encountered at the seashore. Among other special equipment housed in this room will be hydrogen and glass electrodes for hydrogen-ion determinations; these instruments, like the x-ray plant, will be under the supervision of a trained operator whose services will be available at all times to those who need them. As in past years a glass-blower, a photographer, a scientific artist and several mechanics will assist in caring for the more highly technical needs of investigators.

During the present summer the Scripps Institution expects a number of visiting investigators who will work together with the members of the staff or be engaged in special research, mainly on biological problems and on marine sediments. In the summer session of the University of California a lecture course, Introduction to Oceanography, will be offered. At the end of June members of the staff will take part in a third cruise on the *Bluefin*, the boat of the California Fish and Game Commission, in order to continue, in co-operation with the Fish and Game Commission, the studies of the currents in the general area between Point Conception and San Diego. Two cruises, during each of which about thirty stations were occupied, have already been completed. No field work at sea can be undertaken by the institution alone, since the boat *Scripps* was lost in November last and since the new 104-foot auxiliary schooner that R. P. Scripps has bought for the institution will not be ready for work before the end of the summer. The new boat is being remodeled, a small deck-house laboratory is to be built, laboratories below deck to be equipped, and winches and other gear to be placed on deck. It is hoped that the boat will be transformed into an excellent ship for oceanographic work and that a systematic study of the waters off the coast soon can be commenced.

The Mt. Desert Island Biological Laboratory at Salisbury Cove, Maine, is open as usual this year from June 15 to September 15. Dr. Earl O. Butcher, of Hamilton College, is acting director in the absence of Dr. William H. Cole. No courses of instruction are offered, but facilities for research in biology are available for independent investigators. Sixteen workers have arranged to work at the laboratory this summer, studying such subjects as pharmacological effects on the blood pressure of elasmobranchs, maturation in various molluscan eggs, color changes in invertebrates, kidney function in fishes, digestion in medusae and gametogenesis in gasteropoda. It is also planned to continue the project of taking motion pictures of typical marine invertebrates for instructional use.

#### AWARDS OF LATIN AMERICAN FELLOWSHIPS BY THE GUGGENHEIM FOUNDATION

TEN scholars from Latin America will work in the United States during the year 1937-38 on fellowships granted by the John Simon Guggenheim Memorial Foundation. The foundation was established in 1925 by former United States Senator Simon Guggenheim and Mrs. Guggenheim, in memory of a son, and its endowment fund is wholly their gift. The Latin American fellowships are at present available to citizens of Argentina, Chile, Cuba and Mexico, as well as to Puerto Ricans. The grants are made, on terms similar to those governing the Guggenheim fellowships awarded annually to citizens of the United States, to scholars and artists of proved ability in their field of work. The selection of the fellows whose names are now announced was made by a committee of scholars which met in New York, with the advice and assistance of scholars of the countries in which applications originated. About two hundred applications for Latin American fellowships were received this year.

The awards are as follows:

CONRADO FEDERICO ASENJO, instructor in chemistry, School of Tropical Medicine, San Juan, Puerto Rico: Chemical studies of medicinal and poisonous plants of the West Indies.

DR. ALFREDO BAÑOS, JR., professor of theoretical physics in the faculty of physical and mathematical sciences of the National University of Mexico: Continuation of studies in the field of theoretical physics, with emphasis on the theory of cosmic radiation, at the Massachusetts Institute of Technology. (Renewal.)

DR. CARLOS GARCÍA ROBIOU, assistant professor in anthropology, University of Habana: Archeological and ethnological studies of aboriginal remains of Cuba which are to be found in certain museums of the United States.

CARLOS GRAEF, professor of mathematics in the National School of Physical and Mathematical Sciences, Mexico: Studies of the theory of probability and the mathematical theory of statistics, at the Massachusetts Institute of Technology.

ANDRÉS HENESTROSA, librarian of the Department of Foreign Relations, Mexico: Continuation of studies of the significance of Zapotecan culture, chiefly in the Department of Middle American Research, Tulane University, New Orleans. Mr. Henestrosa is himself a Zapotecan Indian, born in the state of Oaxaca, Mexico. He spoke only the Zapotecan language until he was fourteen years old. (Renewal.)

DR. JOAQUÍN LUÇO, chief of practical work and associate professor in the department of physiology, Catholic University of Chile: Experimental studies in physiology, in particular the action of certain drugs on smooth muscle. Dr. Luço will work at the Harvard Medical School with Dr. Arturo Rosenblueth, a former Guggenheim fellow from Mexico who is now an assistant professor of physiology at Harvard.

DR. ALBERTO MARSAL, acting professor of biochemistry, Medical School of the National University of Cordoba, Argentina: Studies in the biochemistry of the thyroid gland, chiefly at the Harvard University Medical School.

DR. ENRIQUE SAVINO, bacteriologist of the Institute of Bacteriology of the National Department of Hygiene, Buenos Aires, Argentina: Continuation of studies in the field of public health, with emphasis on epidemiology, at Harvard University. (Renewal.)

PROFESSOR SANTOS SORIANO, acting professor of microbiology, University of Buenos Aires, Argentina: Studies of the artificial production of bacterial variations, in certain research institutions in the United States. Professor Soriano has published the results of many studies in the field of microbiology, some in collaboration with his wife, who is a doctor of natural history.

DR. SILVIO ARTURO ZAVALA, research assistant at the National University, Mexico: A comparative study of the

systems of forced labor in the Spanish and English colonies of North America, in consultation with scholars in the United States.

The trustees of the foundation are Senator and Mrs. Guggenheim, Francis H. Brownell, Carroll A. Wilson, Charles D. Hilles, Roger W. Straus and Charles Earl.

The Committee of Selection consisted of President Frank Aydelotte, Swarthmore College, *chairman*; Dr. Thomas Barbour, professor of zoology and director of the Museum of Comparative Zoology, Harvard University; Dr. Elmer Drew Merrill, administrator of the Botanical Collections of Harvard University; Dr. Antonio G. Solalinde, professor of Spanish at the University of Wisconsin; Dr. Hans Zinsser, professor of bacteriology and immunology at the Harvard Medical School.

## SCIENTIFIC NOTES AND NEWS

AT the commencement of Yale University on June 23 the doctorate of science was conferred on Dr. John Howard Northrop, Princeton, N. J., member of the Rockefeller Institute for Medical Research, and on Dr. Ernest Orlando Lawrence, professor of physics at the University of California.

RUTGERS UNIVERSITY conferred on June 13 the degree of doctor of laws on Dr. James Rowland Angell, retiring president of Yale University, and the degree of doctor of science on Dr. Edward R. Weidlein, director and vice-president of the Mellon Institute, Pittsburgh.

THE degree of doctor of science was conferred at the commencement of Tufts College on June 14 on Dr. Leonard Carmichael, professor of psychology and dean of the Faculty of Arts and Sciences of the University of Rochester.

DARTMOUTH COLLEGE at commencement conferred the degree of doctor of laws on Rear Admiral Richard E. Byrd and the degree of doctor of science on Dr. Edward R. Baldwin, director of the Edward L. Trudeau Foundation at Saranac Lake, and on Dr. Walterman Walters, surgeon of the Mayo Clinic.

THE degree of doctor of science was conferred by Coe College on June 7 on Dr. Horace W. Stunkard, professor of biology, New York University. Dr. Stunkard received the degree of bachelor of science from Coe College twenty-five years ago.

AT its commencement exercises on June 14, the University of Colorado conferred the degree of doctor of science on Dr. Sara E. Branham, senior bacteriologist of the U. S. Public Health Service at Washington, in recognition of her contributions to bacteriology in relation to public health.

DR. IRVIN ABELL, since 1904 professor of surgery at the University of Louisville, Kentucky, was made president-elect at the eighty-eighth annual meeting of the American Medical Association, held in Atlantic City from June 7 to 11.

DR. HENRY A. CHRISTIAN, Hersey professor of the theory and practice of physic at the Harvard Medical School, has been elected a corresponding member of the Medico-Chirurgical Society of Edinburgh.

AT the annual convention of the American Laryngological Association at Atlantic City, the De Roaldes Medal for research on nose and throat ailments was awarded to Dr. Lee Wallace Dean, head of the nose and throat department of the Washington University School of Medicine, St. Louis.

W. H. SWANGER, chief of the section of mechanical metallurgy and assistant chief of the division of metallurgy of the National Bureau of Standards, and G. F. Wohlgemuth, associate metallurgist, have been awarded the Charles B. Dudley Medal for 1937 for their paper entitled "Failure of Heat-Treated Steel Wire in Cables of the Mt. Hope, R. I., Suspension Bridge," which describes the extensive work undertaken by the National Bureau of Standards to determine the causes of the failure. This medal, which commemorates the name of the first president of the American Society for Testing Materials, is awarded to "the author or authors of a paper presented at the preceding annual meeting which is of outstanding merit and which constitutes an original contribution on research in engineering materials." The medal will be presented to Messrs. Swanger and Wohlgemuth on June 30 during the fortieth annual meeting of the society in New York City.