

presided both over the Carnegie Endowment for International Peace and the Carnegie Corporation of New York.

The two endowments of which Dr. Jessup becomes president were both founded by Andrew Carnegie during his lifetime. The Carnegie Foundation for the Advancement of Teaching, organized in 1905, was incorporated by Act of Congress one year later. Its chief purpose is providing retiring allowances and widows' pensions in universities, colleges and tech-

nical schools in the United States, Canada and Newfoundland. It has also conducted and published studies of medical education, the relations of higher and secondary education in Pennsylvania, college athletics, legal and dental education and teachers' pensions and other educational matters. Its resources are about \$21,000,000, its annual expenditure for free pensions about \$1,900,000, while grants for pensions since 1905 have amounted to more than \$40,600,000.

SCIENTIFIC NOTES AND NEWS

THE gold Sedgwick Memorial Medal "for distinguished service in public health," of the American Public Health Association, was presented at the Atlantic City meeting to Dr. Charles Armstrong, senior surgeon of the U. S. Public Health Service and investigator at the National Institute of Health, in recognition of "research on the transmission of sleeping sickness, parrot fever and infantile paralysis." Other recipients of the medal have been the late Professor Hans Zinsser, of Harvard University, for his work on typhus; the late Dr. Theobald Smith, distinguished for his work on the comparative pathology of infectious and parasitic disease, and Dr. Haven Emerson, professor of public health administration at the College of Physicians and Surgeons, Columbia University. The medal was established as a memorial to the late Professor William Thompson Sedgwick, of the Massachusetts Institute of Technology.

JOHN C. GARAND, of the Springfield Armory, inventor of the semi-automatic rifle being used by the Army and by the Marine Corps, has been awarded the Holley Medal of the American Society of Mechanical Engineers for his "contributions to our national defense." The medal will be presented to Mr. Garand on December 3 at the annual dinner of the society in New York.

THE Honorable Fulgencio Batista, President of Cuba, issued a decree on July 12 awarding honorary membership in the Finlay Institute to Dr. Morton C. Kahn, associate professor of public health and preventive medicine, and to Dr. Edgar Mayer, assistant professor of clinical medicine at the Cornell University Medical College, New York, in recognition of their efforts on behalf of the Cuban Republic.

THE Gold Medal of the British Medical Association has been awarded to Sir Kaye Le Fleming, in recognition of his distinguished work for the association and the profession.

L. F. MAINGARD, of the University of the Wit-

watersrand, has been elected president of the South African Museums Association.

DR. LLEWELLYN R. PERKINS, head of the department of mathematics at Middlebury College, resigned on October 14 because of ill health.

DR. SVEIN ROSSELAND, astrophysicist, formerly of the University of Oslo, has been appointed professor of astronomy at Princeton University, succeeding the late Dr. Raymond S. Dugan.

V. E. KIVLIN, director of the farm short course at the University of Wisconsin, has been appointed assistant dean of the College of Agriculture. He will succeed Dr. Ira L. Baldwin, who resigned to become chairman of the department of agricultural bacteriology.

A ROCKEFELLER FOUNDATION grant of \$25,000 has been made to McGill University for research in endocrinology for five years under the direction of Dr. J. S. L. Browne, assistant professor of medicine and lecturer in pathological chemistry.

JOHN R. MATCHETT, chemist of the Bureau of Narcotics of the U. S. Treasury Department, who has been engaged in marahuana research, has joined the U. S. Department of Agriculture and has been assigned to the research laboratory at Albany, California.

DR. EARL N. BRESSMAN, who has been assistant director of Federal Agricultural Research, has been placed at the head of the Division of Agriculture established by Nelson Rockefeller, coordinator of Inter-American Affairs.

DR. CHARLES F. KREWSON, since 1927 a member of the faculty at the University of Kentucky, has resigned to accept a position with the U. S. Government as research chemist in the eastern regional research laboratory of the U. S. Department of Agriculture. Dr. James L. Gabbard and Dr. R. H. Baker have resigned from the University of Kentucky to join re-

spectively the faculty of the Michigan State Normal School and of Northwestern University.

ROBERT W. CAIRNS, assistant to the director of research of Hercules Powder Company, has been appointed director of the Hercules Experiment Station at Wilmington, Del.

DR. HARRY W. REDDICK, head of the department of mathematics at Cooper Union, has been granted leave of absence to enable him to become director of the Defense Training Institute, Brooklyn, N. Y., to succeed Professor Sampson K. Barrett, of the College of Engineering of New York University. The institute is conducted jointly by the eight engineering colleges of New York City. It is supported by the U. S. Office of Education and is designed to give free training to alleviate the shortage of sub-professional engineers in defense industries.

DR. HAMILTON H. ANDERSON reached China about September 15 to resume his work as professor of pharmacology at the Peiping Union Medical College. He spent the summer in research on parasitic diseases found in China in the laboratories of the Division of Pharmacology of the University of California.

MYRON WEISS, New York consulting editor, has become science warden of *Physical Culture* and editorial adviser to the General Alloys Company of Boston.

DR. HENRY WIGDERSON, instructor in surgery at New York University, has been appointed to the newly established position of head neuro-surgeon in the Rothschild-Hadassah-University Hospital on Mount Scopus, near Jerusalem.

DR. C.-E. A. WINSLOW, professor of public health at the Medical School of Yale University, who was during the fall semester Rosenberg lecturer in the Public Social Services at the University of California, gave two lectures before the faculty and senior students at the Medical School, one on "Modern Public Health Programs" and the other on "Medical Care in Modern Society."

PROFESSOR T. R. HOGNESS, University of Chicago, addressed a meeting of the New York Branch of the American Chemical Society on the evening of October 10 on "The Hydrogen Transport System of the Respiratory Enzymes."

KARL P. SCHMIDT, chief curator of zoology at the Field Museum of Natural History, Chicago, addressed the University of Cincinnati Section of Sigma Xi on October 9. His lecture was entitled "A Naturalist's Glimpse of Peru."

UNDER the auspices of the Faculty of Medicine of Harvard University three lectures on the Edward K. Dunham Lecture Foundation for the Promotion of the

Medical Sciences will be given at five o'clock on October 28, 29 and 30 on "Problems in Intermediary Metabolism." The titles of the individual lectures are "The Chemical Reactions of the Body Fats," "The Chemical Reactions of the Body Proteins," "The Dynamic State of the Body Constituents." The lectures were prepared by the late Dr. Rudolf Schoenheimer, formerly associate professor of biological chemistry at Columbia University, and will be delivered by Professor Hans T. Clarke, professor of biochemistry and head of the department at the College of Physicians and Surgeons, Columbia University.

IN the article by George Y. McClure in *SCIENCE* of September 26, 1941, on page 308, sixth line, second column, delete "and human."

AT its annual meeting each year the American Association for the Advancement of Science awards a limited number of grants-in-aid of research. Forms for use in filing applications for grants can be obtained from the office of Dr. F. R. Moulton, the Permanent Secretary, Smithsonian Institution Building, Washington, D. C. In order that applications may be considered at the meeting in Dallas next December 29-January 2, they should be received before December 1.

THE nineteenth annual meeting of the American Orthopsychiatric Association, an organization for the study and treatment of behavior and its disorders, will be held at the Hotel Statler, Detroit, on February 19, 20 and 21. Copies of the preliminary program will be sent upon request.

THE fifty-second annual meeting of the Association of American Medical Colleges will be held in Richmond, October 27 to 29, with the Medical College of Virginia as host.

ACCORDING to the Associated Press, a Reuter dispatch from Stockholm dated October 17 reports that the Swedish Government has decided that Nobel Prizes should not be awarded this year.

Chemical and Metallurgical Engineering, New York, has given to the Dow Chemical Company the 1941 award "for chemical engineering achievement based on its research in the recovery of metallic magnesium from sea water, which, in the opinion of the committee of award, has contributed the most meritorious advance to the industry and profession since December, 1939." Presentation of the award will be made at a dinner in New York on December 2 at the eighteenth National Exposition of the Chemical Industries at the Grand Central Palace.

FOR the academic year 1941-1942 the Abbott Laboratories have established fellowships in several uni-

versities with important departments of organic chemistry and biochemistry. The fellowships, carrying stipends of \$650, have been made available to graduate students in the last year and next to last years of graduate work leading to the doctor's degree. The recipients have been selected by the universities in which their work is being done, and they are not limited by the fellowships as to the subjects of their investigation. Grants have been made to the following universities: Illinois, Michigan, Ohio State, Pennsylvania State and Purdue, in organic chemistry; Columbia and Cornell, in biochemistry.

THE Byrd Antarctic Expedition has moved its scientific headquarters from Boston to Miami University. The lower wing of the university hospital has been assigned for the use of the expedition, where the compiling of the scientific reports of the expedition, which returned last summer, will be coordinated.

WORKS PROGRESS ADMINISTRATION workers are constructing a research laboratory for aerodynamic courses at Purdue University Airport (Indiana), where graduate engineers can study aeronautical engineering for both military and civil life. Last semester at Purdue University, fifty engineers received this type of training, using existing facilities. The new laboratory is an addition to the university's airport building. During the past year, nearly three hundred students were given primary flight training and twenty others advanced flying courses at the airport.

THE New York Zoological Park will conduct for permanent exhibition purposes a farm of four acres completely equipped with live stock and machinery, the cost of which will be \$380,000. The site is on an undeveloped area of the Zoological Park lying east of Boston Road. Two large buildings are under erection as the center of the farm. The animal house is an "L" shaped building with stalls and pens for cattle, horses, sheep and goats. The other building is of "U" shape design. It will have a greenhouse in one wing and a poultry house in the other. A garage, office and storage space will line the two wings; an octagonal tower, in which it is planned to display agricultural exhibits, will join the poultry house wing. The

buildings are being constructed in stone, and will resemble the farmhouses of Normandy in France.

THE fiftieth anniversary of the founding of Drexel Institute of Technology will be observed during the college year 1941-42, with Founder's Day ceremonies in December and special observances throughout the year. The anniversary commemorates the founding of the institute in 1891 by Anthony J. Drexel, banker-philanthropist, assisted by George W. Childs, publisher of the *Philadelphia Ledger*. It has grown from a technical school of 1,600 day and evening students to its present enrolment of over 5,000 for professional training.

ACCORDING to *Nature*, Imperial Chemical Industries proposes to publish a new quarterly journal of science, and it is hoped that the first number will appear during the autumn of this year. The journal will be translated into at least three foreign languages and will circulate in all parts of the civilized world. Though published by Imperial Chemical Industries, it will in no sense be an advertising medium, but, by laying principal emphasis upon British contributions to science, will form part of the national war effort. Distinguished men of science have already expressed their willingness to contribute, and the chief article of the inaugural number will be by the Astronomer Royal, Dr. H. Spencer Jones.

THE Academy of Sciences of the U.S.S.R. will issue a new work entitled "Soviet Folk-lore," into the compilation of which has gone much effort on the part of many expeditions to different parts of the Soviet Union. An expedition sent out to the Stalingrad Province by the University of Leningrad has collected much interesting material relating to the folk-lore of the Don Cossacks. In the villages and farmsteads of that province the expedition recorded 110 folk-tales, 550 Cossack songs, as well as numerous proverbs and legends. Among the songs are some about Stepan Razin, Yermak, Peter the Great and the War of 1812. This expedition has also collected interesting material relating to the new Soviet folk-lore of the Don Cossacks. Records were made of songs and tales on the subjects of Stalin, Voroshilov, Budenny, the Civil War and the collective farm.

DISCUSSION

COLLEGES AND THE CHANGING HIGH SCHOOLS

A RECENT survey of the teaching of physics in Pennsylvania high schools¹ has yielded some results and shown some trends which may be of interest to a wider group than college physics teachers alone.

¹ M. H. Trytten and J. M. Leach, *Am. Jour. Phys.*, March, 1941.

The study was undertaken as a result of a series of discussions and papers at various meetings of college physics teachers in Pennsylvania. Such discussions, in common with similar ones in other states, aired a conviction that the teaching of physics in high schools appeared to leave no great influence on those entering college. It was stated that one can scarcely detect whether a student in college physics has had a