

GRANTS OF THE SUGAR RESEARCH FOUNDATION

GRANTS have been made by the Sugar Research Foundation, New York City, to the following:

Dr. L. Emmett Holt, Jr., department of pediatrics, the Johns Hopkins University School of Medicine, Baltimore, for studies relating to synthesis of B vitamins by bacteria in the human intestinal tract, with special reference to the influence of various carbohydrates.

Dr. Andrew P. van Hook, department of physical chemistry, Lafayette College, for study of the kinetics of sucrose crystallization.

Dr. James M. Neill, department of bacteriology and immunology, Cornell University Medical College, New York, for investigation of traces of serologically active polysaccharides in sugar.

Dr. Curt P. Richter, psychobiologic laboratory, the Johns Hopkins University, for investigation of nutri-

tive values of soft and raw sugars and of the carbohydrate-thiamine ratios taken by rats allowed free selection of all required nutrients.

Dr. John Haldi, department of physiology, School of Medicine, Emory University, for study of blood sugar levels in human subjects following high protein and high carbohydrate meals of isocaloric value.

Dr. William V. Cruess, chief, Fruit Products Division, Agricultural Experiment Station, University of California at Berkeley, for study of sugar in the quick freezing of fruit products.

Dr. Carl W. Borgmann, Engineering Experiment Station, University of Colorado, for pilot plant production of *d*-fructose (levulose) from sucrose and investigation of methods for separating dextrose and levulose.

These grants bring to more than a quarter of a million dollars the amount appropriated by the foundation during the year 1944.

SCIENTIFIC NOTES AND NEWS

THE presentation of the Perkin Medal¹ of the Society of Chemical Industry to Dr. Elmer K. Bolton, chemical director of E. I. du Pont de Nemours and Company, in recognition of "his outstanding accomplishments in the field of industrial research," took place on the evening of January 5. The medal was presented to him by Dr. Marston T. Bogert, professor emeritus of chemistry of Columbia University and senior past president of the society. In accepting the medal Dr. Bolton said: "I am deeply conscious of the fact that any credit for research accomplishments with which I have been connected belongs to the organizations of able research chemists with whom it has been my privilege to be associated. As their representative, I am happy to accept this award because, in honoring me, you honor them." Dr. Norman A. Shepard, chairman of the American section of the society, presided at the dinner. Dr. C. M. A. Stine, a vice-president of the du Pont Company, who was awarded the Perkin Medal in 1940, discussed Dr. Bolton's professional accomplishments, and Lamot du Pont, chairman of the board, spoke of the personal side of Dr. Bolton's career.

THE presidents of the Royal Society and of the Royal College of Physicians have awarded the Conway Evans Prize to Sir Thomas Lewis, F.R.S., "for his great contributions to medical knowledge on the working of the heart and circulation." This prize is given from time to time for scientific work of outstanding distinction and this is only the fourth occasion of its award since it was endowed in 1925 in accordance with the will of the late Dr. Conway

Evans. Previous recipients of the prize are Sir Charles Sherrington (1927), the late Dr. J. B. S. Haldane (1933) and Sir Gowland Hopkins (1938).

THE Buckton-Browne Prize for 1944 of the Harveian Society of London, for an essay on the uses and abuse of sulphonamides, has been awarded to Dr. A. C. Frazer, professor of pharmacology at the University of Birmingham.

DR. EDWARD W. BERRY, professor emeritus of paleontology of the Johns Hopkins University, has been elected for 1945 president of the Geological Society of America.

DR. J. SHELTON HORSLEY, surgeon-in-charge of St. Elizabeth's Hospital, Richmond, Va., has been elected a corresponding fellow of the Medical Society of London. This society was founded by John Coakley Lettsom in 1773. It is the oldest institution of its kind in England. Dr. Horsley, who last May was awarded an honorary degree of doctor of science from the Medical College of Virginia, has been president of the Virginia Academy of Science, the Southern Medical Association, the Medical Society of Virginia and the Richmond Academy of Medicine.

OFFICERS for the current year of the Oregon Academy of Science are J. S. McGrath, *President*; Stanley Jewett, *President-elect*; A. L. Strand, *Past-president*; R. R. Huestis, *Treasurer*, and F. A. Gilfillan, *Secretary*. Other members of the council are J. A. Macnab and G. V. Copson, *biology*; E. G. Locke and Joseph Schulein, *chemistry*, and Warren D. Smith and I. S. Allison, *geology and geography*. The third annual meeting of the academy will be held in the Public

¹ SCIENCE, December 1, 1944, p. 491.

Library Building, Portland, Ore., on January 13. In addition to a general program, there will be section meetings in biology, geology and geography, and chemistry.

THE Institute of Medicine of Chicago has elected the following officers for 1945: *Honorary Chairman of the Board of Governors*, Dr. Ludvig Hektoen; *Chairman of the Board of Governors*, Dr. William F. Petersen; *President*, Dr. William C. Danforth; *Vice-president*, Dr. Daniel J. Glomset; *Secretary*, Dr. George H. Coleman; *Treasurer*, Dr. Grant H. Laing, and *Chairman, Committee on Admissions*, Dr. Bowman C. Crowell. Dr. Selim W. McArthur has been elected a member of the Board of Governors for a term of five years.

OFFICERS elected at the annual meeting held in New York on December 16 of the Association for Research in Nervous and Mental Disease are *President*, William G. Lennox; *Vice-presidents*, H. Houston Merritt and Wilder Penfield, and *Secretary-Treasurer*, Thomas E. Bamford, Jr. It was voted to center the program for the meeting a year hence on the subject of epilepsy and convulsive disorders.

DR. EDWARD C. ELLIOTT, president of Purdue University since 1922, will retire under the age limit on June 30.

DR. LAWRENCE W. DURRELL, head of the department of botany and plant pathology of Colorado State College of Agriculture and Mechanic Arts, has been appointed dean of the Science Division. The appointment is to take effect on July 1. Junius L. Forsberg, assistant professor of botany and plant pathology, will become research pathologist for the Illinois Natural History Survey at Urbana, Ill.

AT Columbia University, Dr. Robert C. Darling has been appointed associate professor of medicine; Alfred Gellhorn, of the Carnegie Institution of Washington, assistant professor of pharmacology, and David Weinman, of the Harvard School of Public Health, assistant professor of parasitology.

DR. LYLE R. DAWSON, professor of chemistry on leave from the Louisiana Polytechnic Institute, has become head of the department of chemistry of the University of Kentucky, succeeding Dr. L. L. Quill. For the last year Dr. Dawson has been the supervisor of a group of chemists in war research work in the metallurgical laboratory of the University of Chicago.

THE University of Chicago has made the following changes in the administration of the Division of the Biological Sciences, which includes the School of Medicine. Dr. R. W. Harrison, professor of bacteriology in the Walter G. Zoller Memorial Dental Clinic and the department of bacteriology and parasitology, has

been appointed dean. Dr. A. C. Bachmeyer continues to be associate dean and director of the University Clinics. Until 1946, however, he will spend part of his time as director of study for the Commission on Hospital Care. Dr. Thomas Park, associate professor of zoology, has been appointed associate dean. The former dean, Dr. William H. Taliaferro, Eliakim Hastings Moore distinguished service professor of parasitology, has been appointed adviser to the president in the biological sciences. He continues to serve as chairman of the department of bacteriology and parasitology. Dr. B. C. H. Harvey, formerly dean of students in the Division of Biological Sciences and acting dean of students during the past year, has retired, and Dr. F. J. Mullin, assistant professor of physiology, has been appointed assistant dean of students.

DR. HENRY CLIFFORD DARBY, fellow of King's College, Cambridge, and lecturer in the department of geography of the university, has been appointed to the John Rankin Chair of Geography.

DR. R. G. D. ALLEN, British director of statistics of the Combined Production and Resources Board at Washington, who has been in the United States on government service since 1940, has been appointed to the chair of statistics at the University of London.

HENRY W. NICHOLS, chief curator of the department of geology of the Chicago Natural History Museum, retired on account of ill health on December 31, after serving for fifty years. Mr. Nichols, who is in his seventy-eighth year, joined the staff in 1894 as curator of economic geology. From 1897 to 1921 he was assistant curator of geology; from 1921 to 1933, associate curator; from 1933 to 1936 curator of geology, and from 1936 chief curator. He has conducted sixteen expeditions in North and South America for the museum, collecting a wide variety of geological material. Dr. Paul O. McGrew has been appointed acting chief curator of the department.

AT the National Bureau of Standards, Dr. Curtis J. Humphreys has been appointed chief of the section of radiometry of the Optics Division, in succession to Dr. William W. Coblentz, who retired on November 30 after serving for nearly forty years.

F. WAGNER SCHLESINGER, director of the Fels Planetarium in Philadelphia, has been appointed director of the Adler Planetarium in Chicago.

WALDO E. SMITH, who has recently been engaged in hydrological work with the Public Roads Administration, Washington, D. C., has been appointed to the newly established position of executive secretary of the American Geophysical Union.

Nature reports that the Secretary of the Department of Scientific and Industrial Research has made the following appointments at the British National Physical Laboratory: W. F. Higgins, secretary of the laboratory, has been appointed superintendent of the Division of Physics following a considerable period after the death of the late Dr. G. W. C. Kaye, in which he has been acting in that capacity; Dr. G. A. Hankins has been promoted to the superintendency of the Engineering Division of the laboratory to fill the vacancy caused by the resignation of Dr. S. L. Smith; E. S. Hiscocks, of the Raw Materials Department, Ministry of Supply, and previously of the Department of the Government Chemist, has been appointed secretary of the laboratory in succession to W. F. Higgins.

AFTER nearly two years in China, Dr. Joseph Needham, director of the British Council Cultural Scientific Office in China, has returned to Great Britain for consultations. He will go back to China early this year.

DR. A. G. H. SMART, medical adviser to the Secretary of State for the British Colonies, has been appointed representative of the United Kingdom on the Far Eastern Subcommittee on Health of the UNRRA.

DR. JACQUES ROUSSEAU has become director of the Montreal Botanical Garden to succeed Professor Marie-Victorin, who was accidentally killed last summer.

DR. G. M. SCHWARTZ, professor of economic geology at the University of Minnesota, has been on leave since June 15 for an investigation of various types of copper deposits for the U. S. Geological Survey. He has spent most of the time in Colorado and Arizona directing the exploratory work on porphyry ores. He returns to the University of Minnesota this month.

LECTURES are announced by the Chapter of the Society of Sigma Xi of Louisiana State University: On March 3 by Dr. G. W. Beadle, professor of biology at Stanford University; on March 19 by the Reverend Dr. James B. Macelwane, director of the Institute of Geophysics of St. Louis University, and on April 5 by Dr. Peyton Rous, member of the Rockefeller Institute for Medical Research.

COLONEL RICHARD P. STRONG, director of tropical

medicine at the Army Medical School, Washington, D. C., delivered a lecture entitled "The Importance of Ecological Investigations in Tropical Medicine in the Present War" before the annual meeting on December 16 at San Juan of the Medical Association of Puerto Rico.

It is announced that requests to the Committee on Research in Endocrinology of the National Research Council for aid during the fiscal period from July 1, 1945, to June 30, 1946, will be received until February 28. Application blanks may be obtained by addressing the Division of Medical Sciences, National Research Council, 2101 Constitution Avenue, Washington 25, D. C. In addition to a statement of the problem and research plan or program, the committee desires information regarding the proposed method of attack, the institutional support of the investigation and the uses to be made of the sum requested. No part of any grant may be used by the recipient institution for administrative expenses. Applications for aid in endocrine research on problems of sex in the narrower sense can not be given favorable consideration, but the committee will consider the support of studies on the effects of sex hormones on non-sexual functions—*e.g.*, on metabolism.

THROUGH a grant from the Rockefeller Foundation there have been established at the Cornell University Medical College and The New York Hospital "The J. Whitridge Williams Assistantships in Obstetrics and Gynecology," specifically designed for post-war training of a selective group that military service has deprived of advanced training comparable to that possible in the pre-war period. Lieutenant William F. Finn, U.S.A., M.C., has been awarded one of these assistantships.

A GIFT of \$100,000 for a new building for the College of Pharmacy of Drake University, Des Moines, Iowa, has been made by the F. W. Fitch Company in recognition of the need for better facilities for training in the profession of pharmacy. The building will be constructed as soon as possible after material and labor are available and wartime restrictions permit.

DISCUSSION

SCURVY IN THE PARRY EXPEDITION OF 1819¹

THAT tensile strength of surgical wounds is influenced adversely by the degree of vitamin C deficiency has been well established experimentally by Lanman and Ingalls² and others. Empirical observations to

¹ W. E. Parry, "Journal of a Voyage for the Discovery of a Northwest Passage," London, 1821.

the same effect had been made in Hamilton's "Surgery" in 1865.³

The earliest recorded detailed clinical observation of impairment of wound healing in scorbutic patients, we believe, is in the "Journal of a Voyage for Dis-

² T. H. Lanman and T. H. Ingalls, *Ann. Surg.*, 105: 616, 1937.

³ A. J. Lorenz, *Jour. Am. Diet. Assn.*, 20: 7, 432, 1944.