

we can provide with test-tubes, centrifuges, microtomes and radiation analyzers.

May the new club have a continuing active career in the incitation of companionship in first-class scientific inquiry.

THE NATIONAL FOUNDATION FOR INFANTILE PARALYSIS

THE National Foundation for Infantile Paralysis has appropriated \$1,267,600 for the training of qualified physical therapists.

There are now only 2,500 qualified physical therapists, of whom more than half are in the Armed Forces. With earlier and more extensive use of such methods of treatment, twice the number already trained could be used for this disease alone. The program developed under the guidance of a special committee established in the field of physical therapy consists of three parts:

- (1) \$1,107,000 for scholarships to train new physical therapists;
- (2) \$82,000 for fellowships to provide additional teachers, and
- (3) \$78,600 for general development of the field of physical therapy.

The National Foundation since it was organized in 1938 has spent more than a million dollars in the development of the fields of physical medicine and physical therapy. The new program is designed to provide urgently needed personnel.

Under the chairmanship of Dr. Irvin Abell, of Louisville, Ky., chairman of the Board of Regents of the American College of Surgeons, a special com-

mittee has been formed to assist in its development. Applications for scholarships should be made to The National Foundation for Infantile Paralysis, 120 Broadway, New York 5, N. Y.

THE PASSANO FOUNDATION AWARD

As the result of a nationwide poll among leaders in medical science, Dr. Edwin J. Cohn, professor of biochemistry at Harvard University, has been chosen as the first winner of the award of \$5,000 of the Passano Foundation. The presentation will be made on the night of May 16 at an appropriate ceremony in Osler Hall of the Medical and Chirurgical Faculty of Maryland, Baltimore.

The foundation, which was established in 1944 by the Williams and Wilkins Company, proposes to aid in any way possible the advancement of medical research, especially research that bears promise of clinical application. For the encouragement of such research the foundation has established the award as one of its activities.

Dr. Emil Novak, associate in gynecology in the Johns Hopkins University Medical School; Dr. Nicholson J. Eastman, professor of obstetrics, and Dr. George W. Corner, director of the Embryological Laboratory of the Carnegie Institution of Washington, represent the medical profession on the board of directors of the foundation.

Following the presentation of the award by Edward B. Passano, chairman of the board of the Williams and Wilkins Company, Dr. Cohn will read a paper concerning the applications of his work on blood plasma to the field of clinical medicine.

SCIENTIFIC NOTES AND NEWS

DR. GEORGE H. SHULL, professor of botany and genetics, emeritus, of Princeton University, has received a citation of distinguished service from the New Jersey State Board of Agriculture. The award is in recognition of the discoveries which led to the development of hybrid corn and for his years of service in the science of genetics at Princeton.

THE Gold Medal of the Thomas A. Edison Foundation for 1944 has been awarded to Dr. Murdock Eucken, physician of Atlanta, for his development of the alnico magnet to remove metal objects from the stomach and lungs.

THE Gold Medal of the Royal Astronomical Society for 1945 has been awarded to Professor Bengt Edlén, of the Observatory at Lund, Sweden, in recognition of his identification of the origin of the principal lines in the coronal spectrum.

DR. W. W. HANSEN, research engineer for the Sperry Gyroscope Company, has been awarded the

Morris N. Liebmman Memorial Prize of the Institute of Radio Engineers for his work on "the application of magnetic theory to radiation, antennae, resonators and electronic bunching; and for the development of practical microwave equipment and technique."

A CERTIFICATE OF MERIT has been awarded by the U. S. Office of Censorship to Dr. M. A. Rosanoff, sometime postgraduate professor of chemistry in Clark University, "in recognition of an outstanding contribution to the nation's war effort."

PROFESSOR WILTON MARION KROGMAN, of the University of Chicago, has been elected president of the American Association of Physical Anthropologists for the coming year.

DR. J. R. DE LA TORRE-BUENO, of Tucson, Ariz., for the last thirty years editor of the publications of the Brooklyn Entomological Society, has been elected honorary president of the society. He succeeds the late William T. Davis, who was elected honorary

president shortly before his death. The active officers of the society for 1945 are: *President and Treasurer*, Rowland R. McElvare; *Vice-president*, Otto Buchholz; *Secretary*, John W. Noaks; *Editor*, J. R. de la Torre-Bueno; *Delegate to the New York Academy of Sciences*, Edwin Way Teale.

DR. ALICE M. BORING, associate in anatomy at the College of Physicians and Surgeons of Columbia University, has been appointed visiting professor of zoology at Mount Holyoke College.

AT Dartmouth College, the retirement at the end of the winter term is announced of Professor C. E. Bolser, professor of organic chemistry, and of Professor Norman E. Gilbert, professor of physics.

PROFESSOR GEORGE B. CRESSEY, since 1931 chairman of the department of geology and geography at Syracuse University, has presented his resignation, effective at the close of the present term. He has accepted a one-year invitation from Stanford University to become visiting professor in the School of Humanities. Stanford University has received two grants from the Rockefeller Foundation with which to develop a program in the field of Pacific, Asiatic and Soviet studies, and Professor Cressey has been asked to assist with the inauguration of this project.

DR. HARRY PRATT SMITH, of the State University of Iowa, has been appointed professor of pathology and executive officer of the department of pathology of the School of Medicine of Columbia University.

DR. FRANKLIN STEWART HARRIS, for the past twenty-four years president of Brigham Young University at Provo, Utah, has resigned to accept the presidency of Utah State Agricultural College at Logan, beginning on July 1. He will succeed Dr. E. G. Peterson, who will become president emeritus after serving for twenty-eight years. Previously Dr. Harris had served the college successively as professor of agronomy, director of the School of Engineering and Mechanical Arts and Director of the Agricultural Experiment Station. He will be succeeded by Howard S. McDonald, superintendent of schools of Salt Lake City.

DR. C. LEONARD HUSKINS, professor of botany and genetics at McGill University, has been appointed professor of botany at the University of Wisconsin, the appointment to take effect on July 1. Professor Huskins succeeds in the field of ecology Professor C. E. Allen, who has retired after serving for forty years.

COLONEL DERRICK T. VAIL, JR., chief consultant to the Surgeon General in ophthalmology, has been appointed professor of ophthalmology and chairman of the department at the Medical School of Northwestern University to succeed the late Dr. Sanford R. Gifford.

DR. RAY O. NOOJIN, instructor in dermatology and syphilology at the Medical School of Duke University, has been appointed associate professor of medicine in the department of medicine and chief of the division of dermatology and syphilology of the Medical College of Alabama at Birmingham. Dr. Alan Hisey, at present associated with the department of biochemistry of the School of Medicine of the George Washington University, has been appointed assistant professor of biological chemistry.

DR. DANIEL FOWLER CAPPELL, since 1931 professor of pathology at the University of St. Andrews, has been appointed professor of pathology at the University of Glasgow, to succeed the late Dr. John Shaw Dunn.

ARTHUR SCHRODER, of the Office of Alien Property Custodian, where he has been evaluating chemical patents seized from the Axis powers, has been appointed executive director of the American Institute of Chemists. He will assume his new work on May 1. For the past five years Dr. Schroder has been managing editor of *The Chemical Bulletin*, the official publication of the Chicago Section. He is also vice-chairman, director and councilor of that section.

DR. NORMAN E. HARTWEG and Dr. William Henry Burt, of the Museum of Zoology of the University of Michigan, left on April 7 for Mexico to make a study of the effects of volcanic activity on the animal life at varying distances from the cone of the volcano Paricutin. They expect to spend three months or more in the area, with headquarters at Uruapan, Michoacan.

PROFESSOR W. J. LUYTEN, of the University of Minnesota, recently spent two weeks at the University of Arizona, using the 36-inch reflector of the Steward Observatory, to work on his program of White Dwarfs, in collaboration with Dr. P. D. Jose, of the University of Arizona.

PROFESSOR CALVIN STONE, of Stanford University, is spending the next several months in research work in the department of psychology of the Psychiatric Institute and Hospital, New York City. He will also give instruction during the summer session of the department of psychology of Columbia University.

DR. ALFRED E. COHN, member of the Rockefeller Institute for Medical Research, gave on March 20 a lecture before the Tulane Chapter of Alpha Omega Alpha. He spoke on heart disease.

PROFESSOR EDWARD KASNER, of Columbia University, will lecture at 3:30 on April 29 at the Metropolitan Museum of Art on "Mathematics, Infinity and Art."

DR. WILLIAM BLOOM, professor of anatomy at the

University of Chicago, will deliver the fourth Edwin R. Kretschmer Memorial Lecture of the Institute of Medicine of Chicago on the evening of April 27. His subject will be "Experiments on Hematopoiesis."

DR. WILLIAM HOBBS, professor of geology emeritus of the University of Michigan, delivered on March 23 an illustrated lecture before the department of geology of Columbia University entitled "Our Fortress Islands of the Pacific."

DR. GEORGE HERRMANN, professor of medicine at the Medical Branch at Galveston of the University of Texas, spoke on the history of cardiology at the annual meeting of the Celsus Society of San Antonio.

DR. RALPH LINTON, professor of anthropology at Columbia University, delivered at the University of Pennsylvania on March 22 a lecture entitled "What the Science Teacher Should Know about Man."

SIR HENRY DALE, president of the Royal Society, delivered before the Royal Institution, London, during March three lectures on "Nerve-endings and Chemical Transmitters."

THE entomologists of the North Central States, at a conference held at Purdue University on March 30, organized the North Central States Entomologists Association. Dr. J. J. Davis, head of the department of entomology, was elected president and Dr. M. D. Farrar, research entomologist of the Illinois Natural History Survey, was elected secretary. The first regular meeting of the association will be held at the University of Illinois in March, 1946.

THE National Committee for Mental Hygiene is receiving nominations for the annual award of \$1,000 established by the Mary and Albert Lasker Foundation for meritorious service in the promotion of mental hygiene.

MRS. THOMAS A. EDISON has allowed the use of her estate at Fort Myers, Fla., as a site for a proposed Polytechnic Institute in honor of Thomas A. Edison.

THE National Research Corporation of Boston has established at the Massachusetts Institute of Technology a fellowship to be known as the National Research Corporation Fellowship for an American grad-

uate student undertaking research in the field of high vacuum. The initial grant will be \$2,500.

THE late William T. Davis, formerly president of the Staten Island Institute of Arts and Sciences, bequeathed his residuary estate, which is expected to amount to about \$200,000, to the institute for its "natural science fund" and, in addition, the Davis homestead at 146 Stuyvesant Place, St. George, with its furnishings and natural history collections.

AN annual cash award of \$1,000, open to post-graduate students, college technical men, independent research workers and technical workers, will be made by the soft drink industry in recognition of outstanding scientific achievement or technical contributions to the progress and advancement of the industry. The award will be known as the Chesterman Award, honoring C. B. Chesterman, manufacturer of Sioux City, Iowa, who sponsored the first research program conducted by the industry at Iowa State College from 1923 until the outbreak of the war. The award has been established to encourage continuation and expansion of the technical progress which has contributed greatly in the past to the quality of the products of the industry.

THE New Jersey State Senate has passed bills merging seven existing agencies to form a new State Department of Education and designating Rutgers University as "the State University of New Jersey." The university and the college for women will continue to receive from the state appropriations which now amount to approximately \$1,500,000. One third of the members of the board of trustees will be named by the state and two thirds by the university. The reorganization bill will consolidate the State Board of Education, the State Board of Regents, the Board of Visitors of the State Agricultural College at Rutgers, the Commissioner of Education, the State Library, the Public Library Commission and the State Museum to form the new Department of Education. The department will be controlled by an unsalaried board of twelve members and a state commissioner of education, who will receive a salary of \$15,000 a year. The commissioner and the board members will be named by the Governor with the consent of the Senate.

DISCUSSION

TRYPSIN AND CHYMOTRYPSIN VERSUS HEPARIN¹

RECENT interest in the antagonism between heparin and trypsin,² as evidenced by the publication of Wells,

¹ From the Biochemical Research Laboratory, Elgin State Hospital, and the Department of Biological Chemistry, University of Illinois College of Medicine.

Dragstedt, Cooper and Morris,³ and Grob,⁴ makes it pertinent to point out that different results may be

² M. K. Horwitt, *SCIENCE*, 92: 89, 1940.

³ J. A. Wells, C. A. Dragstedt, J. A. Cooper and H. C. Morris, *Proc. Soc. Exp. Biol. and Med.*, 58: 57, 1945.

⁴ D. Grob, *Jour. Gen. Physiol.*, 26: 423, 1943.