

Trustees. The amounts given vary in accordance with the needs and the merits of the work. The awards for research in the natural and exact sciences follow:

Professor Louis M. Dennis, two awards, supplementary to grants already made to assist in chemical research.

Professors William R. Orndorff and Roswell C. Gibbs, for a study of the absorption spectra of organic compounds.

Professor Albert H. Wright, for an investigation of the life history of the North American frog.

Professor Arthur W. Browne, for an assistant, for the study of azidodithiocarbonic acid and its derivatives.

Professors Veranus A. Moore and Charles M. Carpenter, for a study of undulant fever.

Professor Jacob Papish, for a study of spectroscopy of the rarer elements.

Professor Morris A. Copeland, for statistical investigation of monetary theory.

Professor Roswell C. Gibbs, for an assistant in research on the series of radiation doublets of stripped atoms of the potassium type.

Professor Frederick G. Switzer, for employing an assistant in the study of a rational method of determining the probable flood flows of rivers, and a study of cycles and periodicities of normal river flow.

Professor Robert Matheson, for a study of culicid ecology.

Professor James C. Bradley, for a taxonomic study of the Vespidae.

Professor Oskar A. Johannsen, for drawings necessary to illustrate a paper on the embryonic development of the arctiid moth.

Professor John I. Hutchinson, for the salary of an assistant, to spend part of his time on the study of the properties of functions defined by certain Dirichlet series.

Professor Arthur Ranum, for an assistant, to spend part of his time on the study of the principle of duality in the differential geometry of surfaces and solid curves.

Professor Karl M. Dallenbach, for the study of nerve regeneration.

Professor A. A. Allen, for the artificial propagation of the canvasback and other diving ducks.

Professor Herbert H. Whetzel, for an assistant, to spend part of his time in taxonomic studies in the general Sclerotinia and Botrytis.

Professors Hugh D. Reed, Allen Frazer and George C. Embury, for genetic studies and related problems in fishes.

Professor Loren C. Petry, for the collection of fossil plant material from the middle Devonian formation of Gaspé Basin, Quebec.

Professor Peter W. Claassen, for research work on the taxonomy and biology of the immature stages of the Plecoptera of North America.

Professor Ernest Merritt, for a study of the influence of condition in the upper air upon the transmission of electric waves.

Professor Rollin A. Emerson, for a study of the mode of inheritance of certain characteristics in the honey bee.

Professor James B. Sumner, for the study of the enzyme urease.

Professors Edward L. Nichols and Ernest W. Merritt, for the investigation of luminescence of inorganic substances.

SCIENTIFIC NOTES AND NEWS

DR. HENRY PAUL TALBOT, professor of analytical chemistry for thirty-five years in the Massachusetts Institute of Technology, died in Boston on June 18, aged sixty-three years.

BROWN UNIVERSITY at its recent commencement conferred the doctorate of laws on Dr. William Louis Poteat, president of Wake Forest College, Wake Forest, N. C., and on Dr. Michael Idvorsky Pupin, professor of electro-mechanics at Columbia University.

LEHIGH UNIVERSITY has conferred the degree of doctor of science on Dr. William D. Coolidge, of the General Electric Company, and of doctor of engineering on Dr. Elmer A. Sperry. The commencement address was delivered by Dr. Michael I. Pupin.

WESLEYAN UNIVERSITY conferred the degree of doctor of science on Dr. Edward L. Rice, professor of biology in Ohio Wesleyan University and on Dr. Charles L. Beach, president of the Connecticut Agricultural College.

THE doctorate of science has been conferred by the University of Pennsylvania on Arthur Webster Thompson, engineer, president of the United Gas Improvement; George David Rosengarten, manufacturing chemist, president of the American Chemical Society; Henry Sturgis Dennison, of Framingham, Mass., manufacturer and leader in industrial research; John Ripley Freeman, of Providence, R. I., hydraulic engineer; Dr. Josiah Calvin McCracken, dean of the Medical School of St. John's University, Shanghai, and Dr. Charles Williamson Richardson, of Washington, otolaryngologist.

AT Colgate University the degree of doctor of science was conferred on Dr. Frank Earl Williams, editor of *Mental Hygiene*, and on Dr. George Hoyt Whipple, dean and professor of pathology in the school of medicine and dentistry of the University of Rochester. The doctorate of laws was conferred on Mr. Gerard Swope, president of the General Electric Company.

JOSEPH S. ILLICK, state forester of Pennsylvania, received the honorary degree of doctor of science at the commencement exercises of Lafayette College.

THE honorary degree of doctor of science has been conferred on James M. Bartlett by the University of Maine, in recognition of forty-two years of con-

tinuous service as chief chemist of the Maine Agricultural Experiment Station.

THE program of the twelfth assembly of the Czechoslovak Academy of Agriculture, held at Prague on June 11, included a celebration of the seventieth birthday of Dr. L. O. Howard, chief of the Bureau of Entomology of the U. S. Department of Agriculture. The address was made by Dr. Frantisek Rambousek, who referred to Dr. Howard's successful activities for the benefit of the agriculture of the whole world.

DR. EDWARD R. BALDWIN, Saranac Lake, director of the Trudeau School of Tuberculosis, was awarded the Trudeau Medal at the twenty-third annual convention of the National Tuberculosis Association. The medal was presented by Dr. Theobald Smith, the only other person to whom the Trudeau Medal has been awarded.

DR. EDWARD DEAN ADAMS, electrical engineer of New York City, has been appointed delegate of the Engineering Foundation to the celebration of the five hundredth anniversary of the founding of the University of Louvain, on June 28.

WE learn from the *Journal* of the American Medical Association that the staff of St. Elizabeth's Hospital gave a dinner in honor of Dr. William A. White, the superintendent, May 13, as an expression of mutual good-will and friendliness between the superintendent and the staff, and of their confidence in and loyalty to the hospital and its management. St. Elizabeth's Hospital has been recently the subject of various investigations by the congress. The dinner was an expression of the relief afforded by the end of the investigations and their favorable results.

HONORS conferred by King George on the occasion of his birthday on June 3 include the following: *Order of Merit*: Sir Charles Parsons, in recognition of his eminent services in scientific research and its application to industries. *G.B.E. (Civil Division)*: Sir Frank Heath, until recently secretary to the Department of Scientific and Industrial Research, and Sir Richard Threlfall. *Knights*: W. G. Lobjoit, until recently controller of horticulture, Ministry of Agriculture, and Professor C. J. Martin, director of the Lister Institute, London.

DR. E. D. MERRILL, dean of the College of Agriculture of the University of California, has accepted the position of director of the California Botanical Garden, at Los Angeles, to which he will devote part of his time. Dr. W. L. Howard, director of the branch of the College of Agriculture at Davis, has been appointed associate dean, to assist in the affairs of the college during Dean Merrill's temporary absences and

T. F. Tavernetti, assistant to the dean, has had his powers amplified to care for the routine work of the college.

DR. W. W. LEFESCHKIN, of Prague, has been appointed visiting professor of plant physiology at Washington University, St. Louis, and physiologist to the Missouri Botanical Garden.

PROFESSOR EUGENE FISCHER, the anatomist of Freiburg, has been appointed director of the Kaiser Wilhelm Institute for Anthropology at Berlin, which is to be opened in September on the occasion of the International Congress on Heredity.

DR. MORTIMER E. COOLEY has resigned as dean of the department of engineering of the University of Michigan.

DR. ELMER V. MCCOLLUM, of the Johns Hopkins University, was elected president of the American Society of Biological Chemistry, and Dr. D. Wright Wilson, Philadelphia, secretary, at the recent annual meeting in Atlantic City. The next annual meeting will be held at Ann Arbor, Mich.

RUDOLF MEYER, Henry Phipps professor of psychiatry in the Johns Hopkins University Medical Department and director of the Phipps Psychiatric Clinic, Baltimore, was elected president of the American Psychiatric Association at the annual meeting held in Cincinnati on June 3, and Dr. Earl D. Bond, Philadelphia, secretary. The next meeting will be held at Minneapolis in 1928.

THE following officers were elected at the annual meeting of the Southern Branch of the Society for Experimental Biology and Medicine held at Tulane University on the evening of May 19: *President*, Irving Hardesty; *Vice-president*, John H. Musser; *Secretary*, Henry Laurens, all of Tulane University.

AT the annual meeting of the Harvey Society (New York) the officers elected were: *President*, Donald D. Van Slyke; *Vice-president*, James W. Jobling; *Secretary*, Carl A. L. Binger; *Treasurer*, Haven Emerson; *Members of Council*, Russell L. Cecil, Walter J. MacNeal, David Marine.

DR. THOMAS D. COPE, professor of physics at the University of Pennsylvania, has been elected president of the Pennsylvania chapter of the Sigma Xi, succeeding Professor William H. Addison.

ANNOUNCEMENT was made at the Seventh Regional Meeting of the Midwest Sections of the American Chemical Society, at Chicago on May 27 and 28, that Professor H. A. Schuette, of Wisconsin, and Professor C. H. Bailey, of Minnesota, had been elected chairman and secretary, respectively, of the next meeting which will be held at Minneapolis in 1928.

At the recent anniversary meeting of the Linnean Society of London, the following were elected officers of the society for 1927-28: *President*, Sir Sidney F. Harmer; *Treasurer*, Mr. H. W. Monckton; *Zoological Secretary*, Dr. W. T. Calman; *Botanical Secretary*, Mr. J. Ramsbottom. The Linnean gold medal was presented to Dr. Otto Stapf, in recognition of his contributions to the advancement of botanical science. The Crisp award and medal were given to Dr. H. Graham Cannon, professor of zoology at Sheffield University, for his paper "On the Post-Embryonic Development of the Fairy Shrimp," published in the journal of the society.

AN award of \$2,000 from the Shaler Memorial Fund has been made to Professor Louis C. Graton, professor of mining geology at Harvard University, to aid his research work in the mines of Africa next year. Professor Graton has been granted a sabbatical year and, backed by the Bureau of International Research, has formed plans to study rocks and ore formations in the world's deepest mines in Brazil, South Africa and India. The Shaler award by Harvard University is specifically for the study of copper deposits in the Belgian Congo and Rhodesia.

DR. E. V. COWDRY, of the Rockefeller Institute for Medical Research, who has been working in the Pasteur Institute at Tunis, expects to return early in July.

PROFESSOR PAUL LANGEVIN, of the Sorbonne, Paris, will be on the staff next winter of the California Institute of Technology lecturing on "Theories of Magnetism."

GEODESISTS from about twenty-five countries will meet at Prague, Czechoslovakia, the latter part of August and the first week of September of this year to attend the third general assembly of the International Geodetic and Geophysical Union. The United States will be represented by Dr. William Bowie, chief of the Division of Geodesy, and Mr. Walter D. Lambert, mathematician of that division, of the Coast and Geodetic Survey. Dr. Bowie and Mr. Lambert have been appointed by the president of the National Academy of Sciences and the chairman of the National Research Council as delegates from the United States and by the assistant secretary of commerce as representatives of the United States Coast and Geodetic Survey.

The Harvard Graduate Magazine reports by cable from George C. Shattuck, M.D., '05, that the Tropical Medicine African expedition, of which he is a member and of which Dr. Richard P. Strong is the head, has finished its work in Africa successfully and that they expect to sail from Mombasa for this country on

June 8. A great deal of material has been collected for study after their return.

DR. PAUL BARTSCH, curator of mollusks in the National Museum, is going to the Matamek River on the south coast of Labrador for the study of mollusks.

PROFESSOR GEORGE KEMMERER, of the University of Wisconsin, and Dr. Willis H. Rich, of the U. S. Bureau of Fisheries, have left for Kodiak Island, Alaska, where they will spend the summer in making a scientific study of the water of the lakes on the island.

DR. LEUMAN M. WAUGH, professor of orthodontia at the Columbia School of Dental and Oral Surgery, will sail on June 28 to Northern Labrador and the Ungava Bay region to carry on his researches with the Eskimo tribes which he is conducting under the auspices of the university.

DR. HARRY E. MOCK, of Northwestern University Medical School, and Dr. W. M. Blanchard, head of the department of chemistry at De Pauw University, were the principal speakers at the exercises commemorating the laying of the corner-stone of the new science building built at Franklin College, Ind., at a cost of \$200,000. This building will house the departments of physics, zoology, botany and chemistry.

PROFESSOR J. H. MATHEWS, of the University of Wisconsin, gave the dedicatory address on the occasion of the formal opening of the Kedzie Chemical Laboratory of Michigan State College on "Recent Developments in the Field of Chemistry."

DR. LEON COLLETT, professor of geology in the University of Geneva, will be one of the Spencer Trask lecturers at Princeton University next year.

PROFESSOR RODNEY H. TRUE delivered the address at the annual joint meeting of the Pennsylvania chapters of Phi Beta Kappa and Sigma Xi on June 8. His subject was "Episodes in the Life of the Prehistoric Farmer."

THE Canadian Historical Association has erected a monument on the grave of David Thompson, "the greatest land geographer the world has known," in Mount Royal Cemetery, Montreal.

DR. VIRGIL PENDLETON GIBNEY, formerly professor of orthopedic surgery in the College of Physicians and Surgeons of Columbia University, died on June 16, aged eighty years.

WILLIAM CARLETON WILLIAMS, professor of chemistry at the University of Sheffield from 1883 until 1904, died on May 25.

DR. VIKTOR ROTHMUND, professor of physical chemistry in the German University at Prague, died on May 10, at the age of fifty-seven years.

PROFESSOR EDOUARD BRUCKNER, known for his work on meteorology and geology, died at Vienna on May 21, aged sixty-four years.

TENTATIVE plans are now being made for the meeting of the section of psychology of the American Association for the Advancement of Science at Nashville, from December 26 to 28. This will allow members also to attend the meeting of the Psychological Association at Columbus the latter part of the week. There will be one or more joint sessions with Section Q, including probably a session on educational psychology and possibly an evening session at which the two vice-presidential addresses will be delivered. Still other organizations may be represented.

THE New York State Geology Association held its third field meet on May 6 and 7 at Vassar College, Poughkeepsie, N. Y. Departments of geology of about ten colleges and universities were represented. The first day was devoted to a study of the Ordovician rocks east of Poughkeepsie. Several outcrops of the Precambrian were also seen. On Friday evening a general conference was held dealing with the geology of that district. On Saturday the party visited the rocks on the west side of the Hudson, making the trip by means of motor busses to New Platz, Rosendale, High Falls and Binnewater. Professor Heinrich Ries, of Cornell University, was elected president for next year. Dr. H. L. Alling is secretary. The association plans to visit Cornell University next May.

THE first World Population Conference will be held in the Salle Centrale, Geneva, Switzerland, from August 31 to September 2, to consider the question of population growth from an international point of view. Among the subjects to be discussed are population and the food supply; the biology of population growth; optimum density; the differential birth rate; migration and its control and fertility and sterility in relation to population. Sir Bernard Mallet is chairman of the council of the conference, which includes about twenty-four scientific men from France, England, Germany, Australia, Holland, Switzerland and the United States, the members from the United States being Drs. William Whitridge Williams, Raymond Pearl, Wesley C. Mitchell, Clarence C. Little, Henry P. Fairchild and Edward M. East.

THE Sixth International Congress of the History of Medicine will be held at the University of Leiden, Amsterdam, from July 18 to 23, under the patronage of the Prince of the Netherlands, and with a number of government officials as honorary presidents. There will be a visit to the exposition of physical instruments made by Dutch scientists in the eighteenth century, and moving picture illustrations of researches of Van Leeuwenhoek and Swammerdam; a visit to

The Hague and Scheveningen; a reception by the Society of Physicians of The Hague; a visit to the medico-historic exposition of the Museum Suasso, and a reception by the mayors and municipalities of Amsterdam and Leiden. Among the speakers will be Drs. Crommelin and Nuijens. Dr. J. G. De Lint is president of the executive committee.

ON June 9 the Brooklyn Botanic Garden received a gift of \$10,000 from Mr. and Mrs. Walter V. Cranford, of Greenwich, Connecticut, to be used for the construction of a Rose Garden. Work has already been commenced. The suggestion for this gift came to Mr. Cranford while reading the sixteenth annual report of the Brooklyn Botanic Garden, which contained a reproduction of the landscape architect's design.

THE first psychological laboratory at Western Reserve University has been opened. The building contains a seminar room, a class room holding approximately 50 students, twelve individual experiment rooms, library, offices, dark rooms, shop and storage room, and is equipped for work on any experimental problems within the field of human psychology. The work to be undertaken includes both undergraduate and graduate instruction, and investigations by or under the direction of the staff. This staff at present consists of Professor Herbert Austin Aikins, Assistant Professor James Quinter Holsopple and Assistant Professor Grace Preyer Rush, and it is hoped that contacts may soon be made with the medical school, Cleveland College, and other organizations in the city.

DR. CHARLES W. RICHMOND, associate curator, division of birds, U. S. National Museum, has presented the museum with thirty-eight bird skins from South America and one from Africa. Twenty-six species and one genus new to the division are represented in the accession.

THE New York Botanical Garden has received more than 280 new botanical species and seven new genera as a gift from Dr. Henry H. Rusby, dean of the Columbia College of Pharmacy. Dr. Rusby obtained this collection during the Mulford biological exploration of the Amazon Valley in 1922, when he, with Dr. Orland E. White, of the Brooklyn Botanic Garden, and Martin Cardenac, a botanical student sent by the Bolivian Department of Education, explored the foothills at the eastern base of the Andes.

ANNOUNCEMENT was made by Chancellor Charles W. Flint, of Syracuse University, of the gift of a demonstration forest by the Charles Lathrop Pack Forestry Trust founded by Charles Lathrop Pack, of Lakewood, New Jersey, president of the American Tree Association. The gift is in trust to the univer-

sity for the use and purposes of the New York State College of Forestry at Syracuse University, and will be the largest demonstration forest in the United States. It is situated on the main automobile route between New York and Montreal and is north of Glens Falls in the Lake George section of the Adirondacks. The gift is made outright to the university and the area is to be given over to scientific forestry management including reforestation through all its various phases from seed to mature timber, with particular attention to the evergreens and softwoods.

UNIVERSITY AND EDUCATIONAL NOTES

PRINCETON UNIVERSITY has received from an anonymous donor the sum of \$200,000 to establish a chair to be known as the Henry Fairfield Osborn research professorship of biology in honor of Dr. Henry Fairfield Osborn, a graduate of Princeton in 1877 and president of the American Museum of Natural History.

A GIFT of \$500,000 to the endowment fund of the Washington University Medical School coming jointly from Robert S. Brookings, president of the university corporation, and the General Education Board, was announced at the commencement. President Brookings stated that gifts received by the university since last July 1 totalled \$3,352,001.

THE will of the late Dr. Milton B. Hartzell, recently admitted to probate, showed a bequest of \$100,000 to the University of Pennsylvania to establish the Milton Bixler Hartzell professorship of therapeutics. Dr. Hartzell, formerly professor of dermatology at the university, died in April.

DR. R. W. THATCHER, for the past six years director of the New York State Agricultural Experiment Station at Geneva, has resigned to accept the presidency of the Massachusetts Agricultural College. Dr. Thatcher will enter upon his new work on September 1.

DR. ARTHUR STANLEY PEASE, professor of Latin at Amherst College, has been elected president of the college to succeed Dr. George Daniel Olds.

DR. FLOYD HECK MARVIN, formerly president of the University of Arizona, has been elected president of the George Washington University to succeed Dr. William Mather Lewis, who has accepted the presidency of Lafayette College. He takes office on September 1.

DR. LOUIS WILLIAMS MCKEEHAN, research physicist

for the Bell Telephone Laboratories in New York City, has been appointed professor of physics and director of the Sloane Laboratory of Yale University.

DR. RUDOLPH J. ANDERSON, who has been connected with the New York State Agricultural Experiment Station, Geneva, N. Y., has been appointed professor in chemistry in Yale University, to cooperate in research in organic chemistry and biochemistry. Dr. Anderson has been cooperating with Professor Treat B. Johnson during the past year in the research on tuberculosis, which is supported by funds appropriated by the National Tuberculosis Association.

DR. S. C. BROOKS, professor of physiology at Rutgers University, has been appointed professor of zoology at the University of California. Professor Brooks will work in the field of experimental cellular biology and biophysics.

DR. ARTHUR I. KENDALL, professor of bacteriology and public health at Washington University School of Medicine, St. Louis, has been appointed professor of bacteriology at Northwestern University Medical School, where he was formerly dean. William T. Bovie, Ph.D., of the Harvard Medical School, has been appointed professor of biophysics, Dr. Goodwin L. Foster, Ph.D., University of California Medical School, assistant professor of biochemistry, and Dr. Stephen W. Ranson, of the University School of Medicine, professor of neuroanatomy.

DISCUSSION AND CORRESPONDENCE

ELEMENT NO. 61

MY attention has been called to the statement of Professor Rolla in *Nature* for April 30, in which he claims priority for the name Florentium for element No. 61. He says, "We believe that the priority in the discovery of element No. 61 belongs instead to those who first had sure data as to its existence."

On this basis the name Illinium deserves priority. The fact that Professor Rolla deposited a *placo suggellato* instead of publishing his paper, demonstrates that he was not, at that time, sure of his discovery. When Harris, Hopkins and Yntema published their paper and gave to element No. 61 the name Illinium, they were *sure* of their results on the basis of four, independent lines of evidence: 1. The 135 spectral lines referred to in *Nature* (Feb. 26). 2. The concentration of Illinium in rare earth fractions between neodymium and samarium. 3. An absorption spectral band characteristic of Illinium. 4. The X-ray spectra.

W. A. NOYES

URBANA, ILL.