

Angeles. "Protoplasm and Colloids," L. V. Heilbrunn, University of Pennsylvania. "Structural Units," J. D. Bernal, University of London.

THE AMERICAN ACADEMY OF ARTS AND SCIENCES

THE annual meeting of the American Academy of Arts and Sciences was held at its house at 28 Newbury Street, Boston, on May 10. At this meeting it was voted to award the Rumford Medals to Professor George Russell Harrison, professor of physics and director of the Research Laboratory of Experimental Physics at the Massachusetts Institute of Technology, in recognition of his notable work in spectrum photometry and spectrum analysis. Professor Harrison is the thirty-ninth person to receive the Rumford Premium, which was established by a gift to the academy in 1796 from Sir Benjamin Thompson, Count Rumford. By the terms of the gift the medals are to be awarded "to the author of any important invention or useful improvement in heat or light."

The meeting was addressed by Professor August Krogh, head of the department of animal physiology of the University of Copenhagen. Dr. Krogh is a foreign honorary member of the academy and the recipient in 1920 of the Nobel prize in physiology and medicine.

Thirty-three new fellows and seven foreign honorary members were elected, the following being added to the scientific sections of the academy:

FELLOWS

Mathematical and Physical Sciences:

Bart Jan Bok, Harvard College Observatory.
Lyman James Briggs, the National Bureau of Standards.
Harry Edward Farnsworth, Brown University.
Clifford Burrough Purves, Massachusetts Institute of Technology.
C. Richard Soderberg, Massachusetts Institute of Technology.
Frank Clifford Whitmore, Pennsylvania State College.

Natural and Physiological Sciences:

Gregory Pincus, Clark University.
Arturo Rosenblueth, Harvard Medical School.
Frederick Fuller Russell, Brookline.
William Thomas Salter, Harvard Medical School.

FOREIGN HONORARY MEMBERS

Sir Aldo Castellani, London School of Tropical Medicine.
Arnaud Denjoy, professor of mathematics, University of Paris.

The officers elected for the year 1939-1940 were:

President, Harlow Shapley.
Vice-president for Class I, James Flack Norris.
Vice-president for Class II, Walter Bradford Cannon.

Vice-president for Class III, George Grafton Wilson.
Vice-president for Class IV, Arthur Stanley Pease.
Corresponding Secretary, Leigh Hoadley.
Recording Secretary, Hudson Hoagland.
Treasurer, Horace Sayford Ford.
Librarian, Hervey Woodburn Shimer.
Editor, Charles Henry Blake.

RECENT DEATHS AND MEMORIALS

DR. ALEXANDER LAMBERT, professor of clinical medicine at the Cornell University Medical College, from 1898 to 1932, died on May 9 at the age of seventy-seven years. He was a brother of Dr. Samuel W. Lambert, dean emeritus of the College of Physicians and Surgeons of Columbia University, and of Adrian V. S. Lambert, professor of clinical surgery at Columbia University.

DR. W. CRAMP, professor of engineering in the University of Birmingham, England, died on April 20 at the age of sixty-three years.

RUDOLPH BLASCHKA, German artist in glass, maker for more than fifty years of the glass flowers of the Harvard University Museum, died on May 1 at the age of eighty-two years. Mr. Blaschka was compelled to cease work on account of ill health some time ago.

A FUND is being raised at the Rensselaer Polytechnic Institute to found a William Pitt Mason fellowship in chemical engineering and a William Pitt Mason annual prize for the best senior thesis in chemistry. Dr. Frederick W. Schwartz, professor of analytical chemistry at the institute, has asked all former students of Dr. Mason to aid in establishing a fund of \$17,500. Dr. Mason retired as head of the department of chemical engineering and chemistry in 1925, after he had served as a member of the faculty for fifty years.

TUESDAY, April 25, 1939, marked the hundredth anniversary of the birth of Thomas Jonathan Burrill. In commemoration of this occasion, graduate students and members of the various departments at the University of Illinois which had their origin in Professor Burrill's early leadership met with the seminar of the department of botany to listen to an address by Professor J. C. Blair, dean of the College of Agriculture and head of the department of horticulture. Dr. Burrill was at one time professor of botany, horticulture and entomology. He was professor of botany and horticulture (until 1903) and remained head of the department of botany until his retirement in 1913. Our correspondent writes: "He was known for his early work in microscopy and bacteriology, and was probably the first person in this country to introduce the use of microscopes in laboratory instruction. He is generally recognized as the first to demonstrate (in 1879) that a plant disease may be due to bacteria."

MRS. MCKINLEY has given the medical library of Earl Baldwin McKinley, who lost his life on the Hawaii Clipper last summer, to the Leonard Wood Memorial (American Leprosy Foundation). This gift has been accepted with deep appreciation by the Medical Advisory Board and the Board of Trustees of the

foundation and is to be placed in the Culion Library at Culion, Philippine Islands. The collection will constitute the "Earl Baldwin McKinley Memorial Library." The Leonard Wood Memorial plans to keep the library active by subscribing for the various journals which are now included in it.

SCIENTIFIC NOTES AND NEWS

SIR WILLIAM BRAGG, who came to the United States to deliver the Pilgrim Trust Lecture before the National Academy of Sciences, returned to England on *The Washington* on May 17. The lecture is printed in the present issue of SCIENCE.

A FEW days after the death on January 26 of Professor Albert Sauveur, emeritus professor of metallurgy and metallography at Harvard University, the Association des Ingénieurs, Sortis de l'École de Liège, where Dr. Sauveur studied before coming to America, voted to award to him the Trasenster Medal in recognition of his work in the field of metallurgy and metallography. On learning of his death the association decided to confer posthumously on Dr. Sauveur the medal and the accompanying diploma.

THE E. J. Fox Medal of the Institute of British Foundrymen will be awarded to H. A. Schwartz, manager of research of the National Malleable and Steel Castings Company and professorial lecturer in metallurgy at the Case School of Applied Science, Cleveland, "for his contribution to the manufacture of malleable castings." This is the first time the medal has been awarded to any one outside of Great Britain.

It is reported in *Nature* that the Makdougall-Brisbane prize of the Royal Society of Edinburgh for 1934 to 1938 has been awarded to Professor D. M. S. Watson for his paper published in the *Transactions* of the society, entitled "On *Rhamphodopsis*, a Ptyctodont from the Middle Old Red Sandstone of Scotland," and for his many distinguished contributions to the science of vertebrate paleontology.

DR. A. E. KENNELLY, professor emeritus of electrical engineering of Harvard University and at the Massachusetts Institute of Technology, was elected on April 14 a member of the Royal Academy of Sciences of Upsala, Sweden.

AMONG honorary degrees to be conferred at the commencement exercises in June of the University of Wisconsin is the doctorate of engineering on Roy C. Muir, engineer and executive of the General Electric Company.

DR. G. GREY TURNER, professor of surgery at the University of London and director of the department of surgery at the British Post-Graduate Hospital and

Medical School, will receive on June 21 the honorary degree of doctor of laws from the University of Glasgow.

THE University of Aberdeen has conferred the doctorate of laws on Dr. James McIntosh, director of the Bland-Sutton Institute of Pathology, Middlesex Hospital, London, and on Dr. James Gray, professor of zoology at the University of Cambridge.

DR. CARL SUMNER KNOPF, archeologist and dean of the School of Religion at the University of Southern California, has been elected president of the Academy of Sciences of Southern California; Dr. Howard R. Hill first vice-president; Dr. William A. Bryan second vice-president, and Dr. John A. Comstock secretary-treasurer.

DR. WALTER L. OBOLD, associate professor of biochemistry at the Drexel Institute of Technology, Philadelphia, has been elected chairman of the Pennsylvania Section of the American Institute of Chemists. Other officers elected for the coming year are Dr. Addison C. Angus, of the Philadelphia Clinical Laboratories, *vice-president*, and Dr. Harry C. Winter, of the Biochemical Research Foundation of the Franklin Institute, *secretary*.

DR. WARREN P. TUFTS, head of the division of pomology of the College of Agriculture of the University of California at Davis, has been made chairman of the newly organized Western Section of the American Society for Horticultural Science.

NATIONAL officers to serve during the triennium 1939-41 were recently elected by Phi Lambda Upsilon as follows: *President*, Dr. W. M. Sandstrom, associate professor of agricultural biochemistry at the University of Minnesota; *Vice-president*, Dr. W. T. Read, dean of the School of Chemistry at Rutgers University; *Secretary-treasurer*, Dr. T. F. Buehrer, professor of agricultural chemistry at the University of Arizona; *Editor of The Register*, Dr. L. F. Audrieth, assistant professor of inorganic chemistry at the University of Illinois.

DR. WILLIAM H. TALIAFERRO, dean of the Division of Biological Sciences and professor of parasitology at the University of Chicago, has been appointed to the Eliakim H. Moore distinguished service professorship.