

President, L. J. Henderson, Cambridge.

Vice-presidents, James H. Breasted, Chicago; Florian Cajori, Berkeley, Calif.

Secretary, David Eugene Smith, New York.

Treasurer and Assistant Secretary, Frederick E. Brasch, Washington, D. C.

Chairman of the Committee on Publications, George Sarton, Cambridge, Mass.

The executive body consists of the officers and a council of fifteen members, as follows: Isaiah Bowman, New York; E. W. Brown, New Haven; Henry Crew, Evanston; David Starr Jordan, Stanford University; George Ellery Hale, Pasadena; Berthold Laufer, Chicago; Duncan B. Macdonald, Hartford; J. Playfair McMurich, Toronto; John C. Merriam, Washington; George F. Moore, Cambridge; Edgar F. Smith, Philadelphia; M. Rostovtsev, Madison; Lynn Thorndike, Cleveland; William H. Welch, Baltimore; Frederick J. E. Woodbridge, New York.

The membership dues are five dollars a year, which includes subscription to *Isis*, the official journal of the society. Applications for membership should be sent to Professor David Eugene Smith, 525 West 120th St., New York City.

SCIENTIFIC NOTES AND NEWS

A PORTRAIT of Edward C. Pickering, director of the Harvard College Observatory from 1877 until his death in 1919, is given as a frontispiece to the fourth volume of the Publications of the American Astronomical Society, which contains the collected papers read at the annual meetings from 1918 to 1922.

PROFESSOR ALBERT EINSTEIN has been awarded by the assembly of Amsterdam University the gold medal of the Holland Society for the Progress of Natural Science.

MME. CURIE in honor of her work with radium has been granted the freedom of the city of Warsaw.

THE following official announcement has been made by the trustees of the University of Pennsylvania in regards to the statues of former provosts to be erected on the campus.

The campus of the University of Pennsylvania will be made more interesting and attractive in the near future by the erection of statues of former Provost Charles C. Harrison and of his immediate successor in office, former Provost Edgar F. Smith. At a recent meeting of the board of trustees of the university, the Hon. John C. Bell, who has for many years been a member of the board, and closely identified with the development of the interests of the university, under the administration of these provosts, requested permission of the board to erect the statues at his own expense.

It is appropriate that the memory of men who have distinguished themselves by unselfish service to a great

university, and by qualities of leadership that have resulted in the development of the institution into a wider usefulness should be perpetuated not only in the hearts of the men who know them, but also by the visible, tangible presentment of statues, upon which generations that knew them not in flesh may look for inspiration. The precise location of these memorials has not yet been determined, but the fact that they are to be erected is of interest to all who respect the achievements of men, whose contributions to the life of the community, and particularly to the University of Pennsylvania, have marked them out as those who have served faithfully and well in their day, and have left the institution enriched by their presence in it.

At a recent meeting of the American Psychological Association the following resolution was passed:

Whereas, Professor Joseph Jastrow, the first secretary of the American Psychological Association and its president in 1900, was appointed to a chair in psychology in the University of Wisconsin in 1888, and has occupied this position for an unbroken period of thirty-five years, a record unique in the history of our science, therefore,

Resolved, That the American Psychological Association, meeting at Madison, presents its sincere congratulations to the University of Wisconsin on the long and distinguished service rendered by Professor Jastrow to it and for the advancement of psychology.

THE HONORABLE WILLIAM KELLY, for many years chairman of the Board of Control of the Michigan College of Mines, is the newly installed president of the American Institute of Mining and Metallurgical Engineers. Mr. Kelly is also one of the councilors appointed by the institute to represent it in advising the Board of Investigation and Coordination created by the society for the Promotion of Engineering Education. The work of this board was recently financed through a grant by the Carnegie Corporation.

At the annual meeting of the Philadelphia Pathological Society, Dr. Edward B. Krumbhaar was elected president; Dr. Eugene L. Opie, vice-president, and Dr. Baldwin H. E. W. Lucke, secretary-treasurer.

CAPTAIN C. J. P. CARE has been elected president of the Royal Meteorological Society. The vice-presidents are Dr. C. Chree, Mr. J. S. Dines, Dr. A. Crichton Mitchell and Dr. G. T. Walker.

SIR MALCOLM MORRIS has been appointed chairman of the Radium Institute, London, in succession to the late Sir Frederick Treves. Sir Humphry Rolleston has accepted a seat on the committee of the institute.

THE following advisory committee has been appointed to administer the funds of the British Empire Cancer Campaign: Sir John Bland-Sutton, Dr. H. H. Dale, Sir Richard Garton, Dr. F. Gowland Hopkins, Dr. Robert Knox, Sir William Leishman, Professor C. J. Martin, Dr. Robert Muir and Sir Humphry Rolleston.

THE gold medal of the British Institution of Mining and Metallurgy has been awarded conjointly to Herbert William Gepp, M.Inst.M.M., and Gilbert Rigg, M.Inst.M.M., in recognition of their joint and individual services in the advancement of metallurgical science and practice, with special reference to their achievements in the treatment of complex sulphide ores, and in the development of the electrolytic process for the production of zinc in the Commonwealth of Australia.

SIR OTTO JOHN BEIT has been made a baronet for services rendered to the Imperial College of Science and Technology at South Kensington.

THE National Academy of Sciences has made Professor Harold Hibbert, Yale University, New Haven, Conn., a grant of \$400 from the Bache Fund and \$300 from the Cyrus M. Warren Fund, for the purchase of apparatus for the determination of ultraviolet absorption spectra in connection with the constitution and properties of carbohydrates and polysaccharides.

DR. FRANCIS A. BRACKETT, for fifty years instructor in the Dental School of Harvard University, has resigned the professorship of oral pathology, and becomes professor emeritus on September 1.

DR. CHRISTOPHER C. PARNALL, superintendent of the hospital and professor of administrative medicine at the University of Michigan Medical School, Ann Arbor, has resigned, effective on June 30.

DR. GEORGE H. BIGELOW, director of the Pay Clinic of the Medical School of Cornell University, son of Dr. Enos H. Bigelow, president of the Massachusetts Medical Society, has been appointed to the position of director of the Division of Communicable Diseases in the Massachusetts State Department of Public Health.

FRED J. MILLER, of Center Bridge, Pa., past-president of the American Society of Mechanical Engineers, has been appointed a member of the Public Service Commission by Governor Pinchot of Pennsylvania. Mr. Miller will conduct a survey of the electrical power service of the state with a view to bringing to the farm population the benefits of electricity. The appointment is for a ten-year term at a salary of \$10,000 a year.

W. M. H. GREAVES has been appointed chief assistant at the Royal Observatory, Greenwich, following the appointment of Mr. Spencer Jones as H. M. Astronomer at the Cape of Good Hope.

E. BALLARD, of Bristol University, has been appointed cotton entomologist to the Commonwealth Government of Australia.

GEORGE H. JOHNSON has been appointed to the fellowship maintained in Mellon Institute of Indus-

trial Research of the University of Pittsburgh by the Laundryowners National Association. His principal assistant will be Miss Mary M. Danley, an industrial fellow of the Mellon Institute, and his advisers will be Dr. W. F. Faragher, assistant director of the Mellon Institute, and Dr. A. F. Shupp, manager of the American Institute Laundry, Joliet, Ill.

THE Canadian Fellowship of Chemical Science valued at £600 has been awarded to Edward H. Boomer, a graduate of McGill University, Montreal. Dr. Boomer obtained the degree of Ph.D. in 1923 and was awarded the Ramsay Memorial scholarship, under the terms of which he has been working at Cambridge University.

PROFESSOR C. V. L. CHARLIER, of the University of Lund, Sweden, will arrive in America by the middle of March for a stay of some months. He will visit the observatories and give lectures at some of the universities, including two public lectures at the University of Chicago on April 3 and 4 on "Statistics and natural philosophy."

SEVERAL illuminating engineers are making a three months tour of the United States to study American lighting methods. The party consists of J. N. Stephens, W. H. Williams, W. J. Willner, C. Hughes, G. A. Percival, F. W. Wilcox and George Franklin of London; J. Rosenthal of Berlin, and the American engineers, C. A. Atherton of Cleveland and A. L. Powell of Newark, N. J., who will return to Europe with the visitors.

DR. RICHARD C. TOLMAN, professor of physical chemistry and mathematical physics at the California Institute of Technology, addressed the members of the Southern California Section of the American Chemical Society on February 21, at the institute, on "Newer theories of the rate of chemical reaction."

PROFESSOR A. LI. HUGHES, head of the department of physics at Washington University, lectured before the graduate students and staff of the physics department of the University of Iowa on February 13 and 14 on "Effects between collisions of electrons and molecules" and "Saha's theory."

THE program of the Philosophical Society of Washington for the meeting on March 8, was as follows: C. LeRoy Meisinger, "Barometric reductions in the plateau region of western United States"; E. W. Washburn, "A calorimeter for measuring heat effects at high temperatures."

THE fifth of a series of orations in celebration of the centenary of Birkbeck College, University of London, was delivered by Dr. W. Bateson, director of the John Innes Horticultural Institution, on March 12. His subject was "Progress in biological science."

DR. J. A. MURRAY, director of the Imperial Cancer Research Fund, delivered the first of four public lectures on cancer at St. Thomas's Hospital on February 21.

THE laboratory for research in colloid chemistry and physics, which has been founded at the University of Manchester, England, by merchants of the county, was formally opened on January 23. The laboratory is named after Thomas Graham, and has five rooms equipped for research work. Professor D. C. Henry, lecturer in chemistry at the university, is in charge.

THE *Journal* of the American Medical Association reports that the former laboratory of Professor Röntgen in the Physical Institute of the University of Würzburg has been named the Röntgen Memorial Room. A large part of his original apparatus is still set up, and most of it was made by him. Here are the first röntgen tubes, and the original photographs that led to his discovery. A cabinet contains the medals and other presentations received by Röntgen from the Nobel Foundation and various institutions. By his work table is a complete collection of his publications. There is also a bust of Röntgen in the room.

GEORGE HERMANN QUINCKE, one of the most distinguished of German experimental physicists, long professor at Heidelberg, died on January 13 in his ninetieth year.

JEAN M. E. STEPHAN, for many years director of the Marseilles Observatory, died on December 31 at the age of eighty-six.

CAPTAIN T. H. TIZARD, F.R.S., formerly assistant hydrographer to the British Admiralty, died on February 17, aged eighty-four years.

THE Optical Society of America has planned to publish a complete translation of the third edition of Helmholtz's *Handbuch der physiologischen Optik*, edited by James P. C. Southall, professor of physics in Columbia University. The work will be issued in three volumes approximately in the same style as the original German edition, with the same illustrations, plates, etc. The first volume is now in press and will probably be ready by June, 1924. The other volumes will follow as soon as they can be prepared. The edition is limited to one thousand copies. The price will not exceed \$7 a volume. In order to insure getting all three volumes, orders should be sent without delay to Professor F. K. Richtmyer, managing editor of the *Journal of the Optical Society and Review of Scientific Instruments*, Cornell University, Ithaca, New York.

THE United States government has appealed from the decision of the United States District Court which

was rendered adversely recently by Judge Hugh M. Morris in its suit for the return of numerous German dye patents by the Chemical Foundation, Inc. The appeal is signed by James M. Beck, solicitor-general of the United States; Attorney-general Daugherty and other federal counsel. Seventeen allegations of error are made in the appeal, which is general rather than specific, and concludes: "The court erred in each and every one of its conclusions of law and fact contained in its opinion in this case made a part of the record."

UNDER the auspices of the New Haven Section of the American Society of Mechanical Engineers, a get-together meeting of the engineers of Connecticut will be held on March 18, at the Hotel Garde, New Haven. Following a dinner at 6:30 p. m., a meeting will be held which will be addressed by Dr. Ira L. Hollis, president of the Worcester Polytechnic Institute, on "The part that production has played in the permanency of nations," and by John L. Davis, of New Britain, on "America—the land of opportunity."

A PLEDGE of \$5,000 toward the preparation and publication of the International Critical Tables of Physical and Chemical Constants has been made by the Western Electric Company.

UNIVERSITY AND EDUCATIONAL NOTES

CONTRACTS for the new science building at St. Stephen's College, Annandale-on-Hudson, have been let by the board of trustees. The building will cost about \$120,000. Excavation for the science building and also for a new dormitory will be started as soon as the frost is out of the ground. It is expected that the cornerstone will be laid on commencement day.

MRS. ROBERT L. REA, of Chicago, widow of Dr. Robert L. Rea, for 30 years surgeon-in-chief of the Pennsylvania Railroad, has given to Northwestern University medical school \$100,000 with which to establish a professorship in anatomy.

THE trustees of the Rockefeller Foundation have offered the University of Oxford a gift of £75,000 for the development of the department of biochemistry.

LORD GLANELY, in resigning from the office of president of the University College of South Wales and Monmouthshire, Cardiff, has supplemented his previous donations to the college funds by a gift of £12,500, bringing his contributions to a total of £65,000.

THE Bausch and Lomb Optical Company of Rochester, N. Y., has recently presented to the Department of Physics in Columbia University a col-