

Science], A. A. A. S.): DR. C. E. THARALDSEN, professor of zoology, Northwestern University.

Council meeting of the History of Science Society, Cosmos Club, 7 o'clock P. M.

THURSDAY, JANUARY 1, 1925, AT 2 P. M.

Room 24, Corcoran Hall, George Washington University

DR. L. C. KARPINSKI,

of the University of Michigan, presiding

Leibnitz, the master builder of mathematical notations: DR. FLORIAN CAJORI, professor of history of mathematics, University of California.

Benjamin Peirce: DR. R. C. ARCHIBALD, professor of mathematics, Brown University.

The natural sciences in the University of Paris during the Middle Ages: DR. L. J. PAETOW, professor of history, University of California.

The study of western science of the fourteenth and fifteenth centuries: DR. LYNN THORNDIKE, professor of history, Columbia University.

FREDERICK E. BRASCH,

Secretary of Section L (History of Science),
A. A. A. S., Assistant Secretary of the History
of Science Society

SCIENTIFIC NOTES AND NEWS

DR. DAVID STARR JORDAN, chancellor emeritus of Leland Stanford University, has been awarded the prize of \$25,000 offered by Raphael Herman, of Washington, for the best educational plan calculated to maintain world peace.

At a meeting of the Royal Society, London, on December 1, it was announced that a third research professorship has been provided from the munificent gift from their fellow, Sir Alfred Yarrow. To this professorship, Professor O. W. Richardson, noted for his work in relation to the emission of electrons from hot bodies, has been appointed.

At a meeting of the Royal Society, London, on December 1, the following officers and members of council were elected: *President*, Sir Charles Sherrington; *treasurer*, Sir David Prain; *secretaries*, Mr. W. B. Hardy and Mr. J. H. Jeans; *foreign secretary*, Sir Richard Glazebrook; *other members of the council*, Sir Frederick Andrewes, Professor J. H. Ashworth, Dr. F. W. Aston, Sir William Bragg, Professor S. Chapman, Sir Dugald Clerk, Dr. H. H. Dale, Professor F. G. Donnan, Professor A. S. Eddington, Professor E. S. Goodrich, Sir Thomas Holland, Professor J. B. Leathes, Professor T. R. Merton, Dr. G. C. Simpson, Professor J. F. Thorpe and Professor F. E. Weiss.

EMILE PICARD, professor of mathematics at the University of Paris and secretary of the Academy of Sci-

ences, has been elected to membership in the French Academy in the place of Charles de Freycinet.

DR. ROKSABRO KUDO, of the department of zoology of the University of Illinois, had conferred upon him the degree of *Rigaku-hakushi* (D.Sc.) by the department of education of the Nihonese government, through the Tokio Imperial University, in recognition of his work in protozoology.

At the meeting of the French Academy of Medicine on November 4, Professor Vallée, director of the research laboratories of the University of Agriculture, was elected a member.

At a recent convocation at Whitman College, the members of the Alumni Association who had taken their major work in biology arranged a special program in recognition of the twenty-five years of service to the college of Professor H. S. Brode. The recognition included the presentation of a gift as well as words of appreciation.

On the occasion of the completion on October 1 of twenty-five years of service to Teachers College, Columbia University, of Dr. Maurice A. Bigelow, professor of biology at Teachers College and director of the School of Practical Arts, a group of his colleagues met at his office, and Dr. Benjamin R. Andrews, associate professor of household economics, spoke in appreciation of Dr. Bigelow's work for the college.

DR. CHARLES P. EMERSON, dean of the Indiana University School of Medicine, Indianapolis, has been elected president of the National Committee for Mental Hygiene, to succeed Dr. William H. Welch, director of the School of Hygiene, of the Johns Hopkins University.

VACANCIES on the board of trustees of the Carnegie Institution, caused by the resignation of Cleveland H. Dodge and the deaths of William L. Hutchinson, Senator Henry Cabot Lodge and Robert S. Woodward, were filled by the elections of Secretary Mellon, Speaker Gillett, of the House, William Benson Storey, of Chicago, and Cass Gilbert, of New York City. The resignations of Charles P. Fenner and Henry P. Walcott were received and these vacancies will be filled next year.

DIRECTOR PAUL M. LINCOLN, of the School of Electrical Engineering, of Cornell University, was called to Philadelphia on November 25 to attend the first meeting of the program committee for the International Engineering Congress, to be held in that city in 1926.

At the annual meeting of the New York Academy of Medicine officers were elected for the coming year as follows: *President*, Dr. Samuel A. Brown; *Vice-*

president, Dr. Frederick T. Van Buren, Jr.; *Trustee*, Dr. George D. Stewart; *Recording Secretary*, Dr. Fenwick Beekman.

At the October meeting of the French Academy of Sciences, M. Deslandres, director of the Astronomical Observatory of Meudon, was elected a member of the scientific section of the National Meteorological Office, to take the place of the late Professor J. Violle.

DR. ALFRED E. COHN, of the Rockefeller Institute for Medical Research, who has accepted a three months' appointment as visiting professor of medicine at the Peking Union Medical College, China, sailed for Europe on December 17. He will proceed to China by way of Suez, arriving about April 1.

ACCORDING to the *Journal* of the American Medical Association, Dr. G. Dumas was the first exchange professor reaching Mexico since the foundation of the university exchange between France and Mexico. The arrangement is that two French professors are to lecture in Mexico in July, August and September. An honorary degree was conferred on Dr. Dumas, and he was elected an honorary member of the Mexican Academy of Medicine.

DR. GEORGE B. CRESSEY, assistant professor of geology in Shanghai College, has returned to Shanghai after extended geological reconnaissance in Kansu, Mongolia and Tibet. During a four-month trip from Peking, physiographic and structural studies were carried on in the Ordos and Alashan Deserts and around Lake Koko Nor.

DR. L. S. FRIDERICIA, professor of hygiene in the faculty of medicine of the University of Copenhagen and an official adviser of the State Board of Health, Denmark, one of a group of five Scandinavian health officials who have been making a study of public health administration in the United States under the auspices of the International Health Board of the Rockefeller Foundation, sailed for France on December 3. Two other members of the group, Dr. H. M. Gram, chief medical officer of the Health Department of Norway, and Dr. Andreas Diesen, assistant director of the Health Department of Christiania, left on December 9.

MISS BEATRICE MONK, matron of the London Hospital, an institution having the largest training school for nurses in England, has spent the past five weeks in the United States and Canada as the guest of the Rockefeller Foundation, for the purpose of visiting hospitals and nurse training schools. Miss Monk returned to England on December 13.

THE announcement cabled from Paris of the death of Professor Bergonié, the French radiologist, is incorrect. He is seriously ill from burns received in the early days of X-ray experimentation. He has

presented to the Bordeaux Faculty of Medicine the sum of 100,000 francs for the construction and installation of an institute in connection with the cancer campaign. M. Bergonié has been raised to the rank of the Grand Cross of the Legion of Honor by the French government.

PROFESSOR W. M. DAVIS will spend the winter in California where he will lecture on geographical problems at the University of California, both at Berkeley and at the Southern Branch in Los Angeles, at the museum in San Diego, at the Scripps Institute at La Jolla and at Stanford University. During his westward journey he gave lectures at the Southern Methodist University in Dallas, at Rice Institute in Texas, and the University of Arizona.

DR. W. LEE LEWIS, director of the department of scientific research of the Institute of American Meat Packers, recently lectured before the local sections of the American Chemical Society at Rochester, Akron, Columbus, St. Louis and Kansas City, on the subject of "The professor in the packing industry." Dr. Lewis is on a leave of absence from Northwestern University for the purpose of organizing the department of scientific research of the Institute of American Meat Packers.

ON November 29, Dr. Frederick K. Morris, geologist of the third Asiatic Expedition of the American Museum of Natural History, delivered an address before the Royal Canadian Institute on "Central Asia as the birthplace of man."

DR. LAUGE KOCH, explorer and geologist, of Copenhagen, Denmark, addressed the department of geology of the University of Chicago, on November 20, on "New features of the physiography and geology of Greenland."

DR. WILLIAM H. HOWELL, professor of physiology and assistant director of the school of Hygiene and Public Health of the Johns Hopkins University, addressed the Institute of Medicine of Chicago on November 28 on "Problems in blood coagulation."

DR. LEO H. BAEKELAND, president of the American Chemical Society, gave an address before the members of the Pittsburgh section of the society on November 21, dealing with the subject of "Misdirected energy" and reviewing briefly the history of the rise of the chemical profession.

COLONEL E. B. VEDDER, of Edgewood Arsenal, delivered an address on "The toxicity of lead tetraethyl and other substances" at a joint meeting of the Washington Academy of Sciences, the Baltimore Section of the American Chemical Society, the Chemical Society of Washington and the Medical Society of the Dis-

trict of Columbia, in the Cosmos Club, Washington, December 11, 1924.

THE annual dinner of the New York Academy of Sciences and its affiliated societies was held at the Waldorf-Astoria Hotel on December 15, when Dr. Clyde Fisher gave an address entitled "Across the trail of Linnaeus in Arctic Lapland."

DR. LAUDER JONES, of Princeton University, gave an address before the members of the Delaware section of the American Chemical Society, Wilmington, on November 19, on the subject "The rôle of nitrogen in inorganic and organic molecules."

DR. AXEL REYN, director of the Finsen Light Institute, Copenhagen, Denmark, recently gave a lecture at the University of Buffalo on "Light therapy."

A LARGE bronze tablet, designed by the Boston sculptor Bashka Paeff, and set in the wall in the reception room, Boston Psychopathic Hospital, in memory of Dr. Elmer Ernest Southard, was unveiled with appropriate ceremonies on November 18. Dr. Southard, formerly professor of psychiatry and neurology at Harvard University, who died in 1920, was the founder of the Boston Psychopathic Hospital and its first director.

STEPS have been taken to place a bronze *bas-relief* of the late Mrs. Ellen H. Richards, with suitable inscription, in an appropriate location in one of the buildings of the Massachusetts Institute of Technology.

THE fund which is being raised at the University of Leeds to commemorate the services of Professor A. Smithells has now reached a total of nearly £2,500. A portrait of Professor Smithells has been painted by Mr. Fiddes Watt and the presentation ceremony took place on November 25. The balance of the fund will provide a scholarship, of approximately £100 per annum, which is to be established in the university in the name and with the advice of Professor Smithells.

DR. EZRA BRAINARD, who was for twenty-five years president of Middlebury College, and earlier professor of physics, known for his contributions on the geology of the Champlain Valley and the botany of Vermont, died on December 8, aged eighty years.

DR. E. W. STANTON, formerly professor of mathematics at Iowa State College, recently died, aged seventy-four years.

DR. JOHN IRVINE HUNTER, professor of anatomy at the University of Sydney, Australia, who has been invited to give the Murphy oration at the College of Physicians and Surgeons, New York, died in London, on December 10.

DR. MAX W. HAUSCHILD, professor of anatomy at

the University of Berlin, died on October 2, after his return from a research expedition to the Dutch Indies.

GERARD KALSHOVEN GUDE, of England, authority on tropical land mollusca, died on November 8, aged sixty-six years.

PROFESSOR HERMANN BRAUS, director of the Anatomical Institute, University of Würzburg, eminent for his work in experimental morphology and general anatomy, died on November 28, in his fifty-seventh year.

DR. RUDOLPH GOTTLIEB, professor of pharmacology at the University of Heidelberg, has died, aged 60 years.

THE death is announced of Dr. E. Wertheimer, emeritus professor of physiology at Lille, France.

THE Joint Genetics Sections of the American Society of Zoologists and the Botanical Society of America will present their third annual program at Washington in three sessions on December 29, 30 and 31. The titles of more than fifty papers have been received and these have been divided as follows: A session for botanical papers on Monday afternoon, zoological papers on Tuesday morning and a general session on Wednesday morning. This arrangement avoids conflict with important programs of the botanical and zoological societies on Tuesday and Wednesday afternoons. A program for geneticists interested in agriculture has been arranged tentatively for Monday morning.

THE next Australasian Medical Congress will be held in Dunedin, New Zealand, early in 1927, under the presidency of Dr. L. E. Barnett, who is retiring from the professorship of surgery in the medical school of Otago University, Dunedin. The general secretary of the congress is Dr. W. P. Gowland; the associate secretary, Professor A. M. Drennan, and the treasurer, Professor D. W. Carmalt-Jones.

THE schedule of society meetings at the Chemists Club, New York City, for the remainder of the season 1924-25 is as follows: December 5, Society of Chemical Industry, Grasselli medal; December 12, American Chemical Society, regular meeting; January 9, American Chemical Society, regular meeting; January 16, Society of Chemical Industry, Perkin medal; February 6, American Electrochemical Society (in charge), joint meeting with the Society of Chemical Industry, Société de Chimie Industrielle and American Chemical Society; March 6, American Chemical Society, Nichols medal; March 20, Society of Chemical Industry, regular meeting; April 17, Society of Chemical Industry (in charge), joint meeting with the American Chemical Society, American Electrochemical Society and Société de Chimie Industri-

elle; May 1, American Chemical Society, regular meeting; May 8, Société de Chimie Industrielle (in charge), joint meeting with the American Chemical Society, American Electrochemical Society and Society of Chemical Industry; May 15, Society of Chemical Industry, regular meeting; June 5, American Chemical Society, regular meeting.

FREE lectures and demonstrations are being given at the New York Botanical Garden in the Central Display Greenhouse, Conservatory Range 2, as follows: December 6, "Fruits and seeds in winter," Dr. H. A. Gleason; December 13, "Rubber plants," Dr. A. B. Stout; December 20, "Greenhouse pests," Dr. F. J. Seaver; December 27, "A study of birds and their nests," R. S. Williams.

At the Baltimore meeting of the American Chemical Society, which will be held during Easter week, the Division of Industrial and Engineering Chemistry will hold a symposium on corrosion. At the present time the tentative outline of the symposium is as follows: 1. Submerged corrosion of metals. *a.* Iron and steel. *b.* Non-ferrous metals. 2. Atmospheric corrosion. 3. Corrosion of special alloys. It is hoped that the scope of the papers of this symposium will cover the problems of corrosion in the heavy chemical industry, in the special chemical industry, in the marine world, in ordnance equipment, in the oil industry, mining industry, etc. Papers relating to any of these subjects or subdivisions will be welcomed by the chairman of the symposium, who is Robert J. McKay.

PAYMENT of \$30,000 to the Cooper Institute, New York, for the advancement of science and art is provided for in the will of Eleanor G. Hewitt, sister of Peter Cooper Hewitt.

UNIVERSITY AND EDUCATIONAL NOTES

A GIFT of \$1,250,000 has been given by the General Education Board, allied with the Rockefeller Foundation, for completion of the Medical School at the University of Minnesota. The gift carries the proviso that the university obtain elsewhere \$2,350,000, which will complete the \$3,600,000 estimated cost of the proposed expansion.

UNITS of the new graduate school of medicine of the University of Chicago, projected for immediate construction, include the Billings Hospital, with 200 beds; a medical clinic for internal medicine and the medical specialties, to be occupied by the department of medicine, and a similar surgical clinic for general surgery and the surgical specialties, to be occupied by the department of pathology. This group will also house the Billings Library, a gift from Dr. Frank

Billings to the university. The buildings of the physiological group, to be occupied by the department of physiology and the department of physiological chemistry and pharmacology, will be erected on the south side of Fifty-eighth Street and will connect with the hospital group.

WORK will begin shortly on a \$20,000 physics laboratory to be known as Founders Laboratory, it is announced at Vassar. The names of the donors have not been made public.

B. MARVEL O'HARRA, assistant metallurgist at the United States Bureau of Mines Experiment Station, Rolla, Missouri, was recently appointed metallurgist and acting director of the station.

APPOINTMENTS to the staff of the University of Pennsylvania School of Medicine have been made as follows: Dr. George Fetterolf, professor of otolaryngology, succeeding Dr. Burton A. Randall, retired; Dr. John Claxton Gittings, professor of pediatrics, succeeding Dr. John P. Crozer Griffith, retired, and Dr. William C. Stadie, assistant professor of research medicine.

DR. H. N. CALDERWOOD, formerly chemist at the U. S. Forest Products Laboratory, is now assistant professor of chemistry at the University of Wisconsin. He has charge of the laboratory instruction given to engineering students. Dr. S. M. McElvain, instructor in chemistry at the university, has taken over the courses in organic chemistry formerly conducted by Assistant Professor Glenn S. Skinner, who has resigned to enter industrial work.

DR. H. O. CALVERY and Dr. H. Jensen have joined the staff of the department of chemistry at the University of Louisville, Kentucky.

DR. L. GRANT HECTOR, former instructor in physics and Tyndall Fellow at Columbia University, has been appointed assistant professor in physics in the College of Arts and Sciences of the University of Buffalo. Dr. P. Thomas McIlroy, of Queens University, Canada, has been appointed instructor in pathology.

DR. ERNEST PICK has been chosen to take the place of Dr. Hans Horst Meyer, professor of pharmacology at the University of Vienna, who has retired.

DISCUSSION AND CORRESPONDENCE

MUSSEL SHOALS

THE Mussel Shoals of the Tennessee River in northern Alabama (between Lauderdale and Colbert Counties) have received their name from the immense number of species and individuals of freshwater mussels (*Naiades*) which used to be found at this locality. Thus the common and now official spelling "Muscle Shoals" should be discarded for the more correct one "Mussel Shoals." There is no other place upon the