

President Sir Charles Langbridge Morgan, of the Institute of Civil Engineers of Great Britain.

President Henri Abraham, of the Society of Electrical Engineers of France.

President Luigi Luigi, of the Society of Civil Engineers of Italy.

Honorary President Roberto Gayol, of the Society of Engineers of Mexico.

President Arthur Surveyer, of the Engineering Institute of Canada.

Afternoon: Unveiling of Tablets.

1. On the site of the old main building, destroyed by fire in 1904. Address by Hon. Seymour van Santvoord, of Troy, and Mrs. James Carroll Frazer, of Washington, a lineal descendant of Stephen Van Rensselaer, founder of the institute.

2. In the Carnegie Building in memory of S. Wells Williams ('32), first professor of Chinese and oriental literature in Yale University. Address by His Excellency, Dr. S. K. Alfred Sze, Chinese Minister to the United States.

Inspection of laboratories.

Evening: Dinner in the State Armory. Addresses by:

President Livingston Farrand, of Cornell University.

Director Joseph H. Odell, of the Service Citizens of Delaware, and another distinguished speaker.

Pageant on the campus illustrating scenes in the history of science and engineering during the last hundred years.

OCTOBER 4

Morning: Convocation. Addresses by:

President Angell, of Yale University.

President Birge, of the University of Wisconsin.

President Stratton, of the Massachusetts Institute of Technology.

President Grunsky, of the American Society of Civil Engineers.

President Low, of the American Society of Mechanical Engineers.

President Kelly, of the American Institute of Mining and Metallurgical Engineers.

President Osgood, of the American Institute of Electrical Engineers.

President Michelson, of the National Academy of Sciences.

Afternoon: Reception by President Ricketts and Mrs. Ricketts.

Evening: Alumni Smoker, Pageant.

OFFICERS OF THE NATIONAL RESEARCH COUNCIL

THE list of officers of the National Research Council for the year 1924-25 is as follows:

Honorary chairman, George E. Hale, honorary director of the Mount Wilson Observatory, Carnegie Institution of Washington, Pasadena, California.

Chairman, Gano Dunn, president of the J. G. White

Engineering Corporation, 43 Exchange Place, New York City.

First vice-chairman, A. A. Michelson, president of the National Academy of Sciences; professor of physics, University of Chicago.

Second vice-chairman, Charles D. Walcott, secretary of the Smithsonian Institution.

Third vice-chairman, R. A. Millikan, director of the Norman Bridge Laboratory of Physics, California Institute of Technology, Pasadena.

Fourth vice-chairman, John C. Merriam, president of the Carnegie Institution of Washington, Washington, D. C.

Permanent secretary, Vernon Kellogg, National Research Council, Washington, D. C.

Treasurer, George K. Burgess, treasurer of the National Academy of Sciences; director of the U. S. Bureau of Standards, Washington, D. C.

Assistant secretary, Paul Brockett, assistant secretary in charge of building, National Academy of Sciences, Washington, D. C.

Assistant secretary, Albert L. Barrows, National Research Council, Washington, D. C.

Chairman, Division of Federal Relations, Charles D. Walcott, secretary of the Smithsonian Institution, Washington, D. C.

Chairman, Division of Foreign Relations, R. A. Millikan, director of the Norman Bridge Laboratory of Physics, California Institute of Technology.

Chairman, Division of States Relations, A. F. Woods, president of the University of Maryland.

Chairman, Division of Educational Relations, Vernon Kellogg, National Research Council.

Chairman, Division of Engineering and Industrial Research, Frank B. Jewett, vice-president of the Western Electric Company, New York City.

Chairman, Division of Chemistry and Chemistry Technology, James F. Norris, professor of organic chemistry, Massachusetts Institute of Technology; National Research Council.

Chairman, Division of Geology and Geography, David White, senior geologist, U. S. Geological Survey.

Chairman, Division of Medical Sciences, L. Hektoen, professor of pathology, Rush Medical College; director of the John McCormick Institute for Infectious Diseases; National Research Council.

Chairman, Division of Biology and Agriculture, Maynard M. Metcalf, zoologist, Orchard Laboratory; National Research Council.

Chairman, Division of Anthropology and Psychology, R. S. Woodworth, professor of psychology, Columbia University; National Research Council.

Chairman, Division of Physical Sciences, J. S. Ames, dean of the College Faculty, professor of physics, and director of the Physical Laboratory, Johns Hopkins University; National Research Council.

SCIENTIFIC NOTES AND NEWS

THE council of the National Academy of Sciences has accepted the joint invitation of Harvard Univer-

sity and the American Academy of Arts and Sciences to hold the autumn meeting of the National Academy of Sciences in Cambridge and Boston, November 10, 11 and 12, 1924. Arrangements for this meeting will be made as usual by the local committee, the secretary of which is Dr. Edwin B. Wilson, Harvard School of Public Health.

DR. ROBERT A. MILLIKAN, recent recipient of the Nobel award in physics, has been granted the honorary degree of doctor of science by Trinity College, Dublin.

DR. E. S. DANA, professor of mineralogy at Yale University, and Dr. Richard Zsigmondy, professor of inorganic chemistry at Göttingen, have been elected corresponding members of the Vienna Academy of Sciences.

DR. TRUMAN W. BROPHY, of Chicago, who has gone to Luxemburg to attend a meeting of the International Society of Dentistry, of which he is president, was made an officer of the Legion of Honor by the French government on August 1.

THE Moxon Medal of the Royal College of Physicians of London has been awarded to Sir Leonard Rogers, M.D., F.R.S., on the recommendation of the council.

ACCORDING to the *Journal* of the American Medical Association, Senator E. Maragliano, founder of the Maragliano Institute and for nearly fifty years connected with the University of Genoa, was tendered an ovation by friends, scientific societies and state authorities on the occasion of his lecture, on June 28, when he reached the age of retirement. This last lecture was a review of what he and his school have accomplished in the nearly fifty years of his connection with the university and since he founded the Maragliano Institute. A bronze statuette medal and illuminated address were presented to him, and a banquet closed the day.

PROFESSOR H. R. KENWOOD, holder of the Chadwick chair of hygiene at University College, London, will retire next December.

UNDER the new regulations making sixty years the age limit, Drs. Kinnosuke, Miura, W. Okada and Y. Tashiro, of the Tokyo Imperial University, have resigned their professorships.

DR. RAY LYMAN WILBUR, president of Stanford University and former president of the American Medical Association, was appointed permanent chairman of the medical council of the Veterans' Bureau, which closed its first session in Washington, D. C., on July 24.

AMERICANS present at the twenty-first Congress of the Société des Américanistes, which opened in

Sweden on August 19, included Dr. Franz Boas, of Columbia University, Dr. R. H. Lowie, of the University of California, Dr. J. W. Fewkes, chief of the Bureau of American Ethnology, and Dr. H. H. Saviile, of Columbia University.

PROFESSOR A. W. SMITH, head of the department of chemical engineering in the Case School of Applied Science, Cleveland, has been designated by President L. H. Baekeland to act as the representative of the American Chemical Society on the occasion of the inauguration of Robert Ernest Vinson as president of Western Reserve University and also at the dedication of the new building of the School of Medicine on October 9.

DR. FREDERICK W. ZONS, research chemist at the New Process Gas Mantle Co., has been appointed to head the engineering staff of the General American Radio Corporation as consulting chemical engineer.

CAPTAIN H. P. DOUGLAS has been appointed hydrographer of the British Navy.

ANNOUNCEMENT has been made by the United States Department of Agriculture of several new appointments to field positions in the Research Branch of the Forest Service. These are Mr. R. E. McArdle, of Norfolk, Virginia, to the new Pacific Northwest Forest Experiment Station; Mr. George B. Shivery, of Pennsylvania, to the Southern Forest Experiment Station, at New Orleans, La.; Mr. E. E. Probstfeld, of Minnesota, to the Cloquet (Minn.) Forest Experiment Station, and Mr. Lester H. Reineke, of New York, at the Appalachian Forest Experiment Station, Asheville, N. C.

ACCORDING to press dispatches, Captain Knud Rasmussen, the Danish explorer, has arrived at Kotzebue Sound, 150 miles north of Nome, Alaska. Captain Rasmussen left Europe in the summer of 1921 on an expedition to the Arctic regions of which the chief object was the study of the Eskimo, their customs, folk-lore, history, language and religion, and no word has been received from him for fifteen months.

DR. KOTARO HUNDA, director of the metallurgical department at the Imperial University, Tokio, will come to the United States as official representative of the Japanese government at the International Steel Exposition to be held in Boston from September 22 to 26.

PROFESSOR GOESTA FORSELL, Swedish authority on Roentgen-ray therapy, has been invited to give the memorial lectures on the late Professor Eugene W. Caldwell, the American radiologist, at the Roentgen Congress in Boston, on September 3.

THE Harveian Oration of the Royal College of

Physicians of London for 1925 will be given by Sir Frederick Mott.

DR. JOHN TIMOTHY GERAGHTY, associate professor of urology in the James Buchanan Brady Urological Institute at The Johns Hopkins Hospital, died on August 18 at the age of forty-eight years.

DR. ROBERT GRIER LE CONTE, the distinguished Philadelphia surgeon, died by suicide, on August 6, aged fifty-nine years.

SEYMOUR BOWER, ichthyologist and member of the United States Fish Commission, died on July 25 at the age of sixty-nine years.

DR. DAVID MACFARLAND CASTLE, of Philadelphia, physician and entomologist, died on August 6, aged eighty-one years.

FRANK A. SPRAGG, associate professor of farm crops at the Michigan Agricultural College, Mrs. Spragg, and their youngest son were killed on August 12 by a collision of their automobile with a passenger train.

SIR GEORGE BEILBY, F.R.S., distinguished British industrial chemist, died on August 1 at the age of seventy-three years.

THE Paris correspondent of the *Journal* of the American Medical Association writes that the members of the municipal council of Paris have presented to M. and Mme. Vallery-Radot, the son-in-law and daughter of Pasteur, the first copy of the memorial work published in connection with the celebration of the centenary of the great scientist. The work is from the pen of M. René Weiss, director of the cabinet of the president of the municipal council, to whom the descendants of Pasteur entrusted the valuable documents in their possession.

THE citizens of Albany, N. Y., have subscribed the funds necessary to erect a monumental statue of Professor Joseph Henry, who made the first successful experiments in long distance electrical transmission while he was a teacher in the Albany Academy from 1828 to 1831. The proposed statue will represent Henry as a young man of about thirty engaged in the demonstration of his experiments and it is intended that the figure shall surmount a pedestal bearing reliefs depicting episodes of his career in Albany, the place of his birth. The execution of the work has been entrusted to Mr. John Flanagan, the well-known sculptor of New York City, and the responsible civic body supporting the undertaking is the Albany Institute. It is understood that the money for this monument has been raised by the activities of Dr. John M. Clarke and ex-Governor Martin H. Glynn.

RUSSIAN scientists now living outside of Russia will hold a meeting in Prague, Czechoslovakia, from

September 25 to October 2. There will be four sections. Professor P. B. Struve has been appointed chairman of the Section of Jurisprudence and Economy; Professor A. A. Kisewetter, chairman of the Section of Philosophy, History and Philology; Professor M. M. Novikov, chairman of the Section of Natural Sciences and Medicine, and Professor E. L. Zubashev, chairman of the Section of Pure and Applied Mathematics and Technical Sciences. A special session will be in honor of the scientific work of Professors I. P. Pavlov and N. P. Kondakov, both members of the Russian Academy of Sciences, and in commemoration of the recently deceased professors, P. I. Novgorodtzev and N. I. Androusov.

THE joint committee on definitions and standards held its twenty-sixth meeting in the Bureau of Chemistry from August 18 to 22, under the chairmanship of Dr. W. W. Skinner. Proposed standards for ice cream, meat and meat products, wheat flour, jams and jellies were discussed. The joint committee is composed of nine members, three representing the Association of Official Agricultural Chemists, three representing the Association of American Dairy, Food and Drug Officials, and three the United States Department of Agriculture. This committee recommends definitions and standards for food products for the guidance of federal and state officials in the enforcement of food laws.

THE autumn meeting of the Institute of Metals is to be held in London from September 8 to 11. On the first day the third annual autumn lecture will be delivered by W. M. Corse, of the National Research Council, on "Recent developments in non-ferrous metallurgy in the United States, with special reference to nickel and aluminium-bronze." On September 9 the general meeting will be held at the Institution of Mechanical Engineers, and a selection of papers will be presented and discussed. Following luncheon at the Connaught Room, members will visit the British Empire Exhibition. On September 10 the general meeting will be concluded, more papers will be discussed and visits will be paid to various works and to the National Physical Laboratory. On the last day there will be a river trip to Windsor and Eton.

THE sixth session of the International Commission on Illumination was held at Geneva, Switzerland, from July 22 to 25. Dr. E. P. Hyde, director of research at the Nela Park Laboratories, Cleveland, presided, and C. O. Mailloux, Clayton H. Sharp and other American delegates were in attendance. Dr. H. E. Ives, of the Western Electric Company, presented a paper on the adoption of a primary standard of light, and reports were submitted by the French and American committees. Other subjects dealt with by the commission were standards of light suitable for

photographic sensitometers and heterochromatic photometry. K. S. Gibson gave a paper on "The relative visibility function," and a resolution was passed that the commission adopt at the session being held a provisional table of values for this function. A committee was appointed to study all matters relating to colorimetry.

A CHEMICAL exposition showing chemical products of thirty different groups is to be held in Turin, Italy, during the months of September and October of this year under the auspices of several Italian chemical associations.

AN international health congress will be held at Lausanne on August 4, 5 and 6, under the auspices of l'Union Internationale contre la Tuberculose.

A JOINT meeting of the Southern California Section of the American Chemical Society and visiting members of the American Institute of Chemical Engineers was held at the Mary Louise Café, Los Angeles, on August 1.

THE twenty-eighth Congress of Alienists and Neurologists of France and French-speaking countries was held at Brussels, from August 1 to 6, under the chairmanship of Dr. Glorieux, the general inspector of psychopathic hospitals and of the colonies for the insane, in Belgium, and of Dr. Ernest de Massary, physician to the hospitals of Paris.

THE American Philosophical Association has been authorized to convene the next International Congress of Philosophy in the United States during the second week of September, 1926. The place of meeting—to be more definitely announced later—will be at one of the eastern universities, not far from New York. English, French, German, Italian and Spanish will be recognized as the official languages of the Congress. Correspondence may be addressed to the corresponding secretary, Professor John J. Coss, Columbia University.

THE International Conference on Health Problems in Tropical America, which was held at Kingston, Jamaica, by the United Fruit Company, was formerly opened on July 22, when the acting governor of Jamaica, Colonel Bryan, gave the address of welcome. According to the *Journal* of the American Medical Association, George E. Vincent, New York, president of the Rockefeller Foundation, and Dr. William E. Deeks, head of the medical department of the United Fruit Company, also gave addresses. The first day's program included addresses by Dr. Vincent on "International aspects of public health"; Dr. Charles Cassedy Bass, New Orleans, "The relation of the malaria carrier to malaria prevalence"; Dr. Henry Rose Carter, Washington, D. C., "The

preferential and compulsory breeding places of some disease-bearing mosquitoes"; Dr. Francis Metcalf Root, "American anopheline mosquitoes and their relation to the transmission of malaria"; Dr. N. P. Macphail, Quirigua, Guatemala, "A report on the use of intramuscular injections of quinin in the treatment of malaria" and Joseph A. LePrince, Memphis, Tenn., "Can we get better anopheles and malarial control at lower cost?" Enroute to Kingston, the delegates visited the Academy of Medicine, Havana, Cuba, where Dr. Frederick G. Banting, Toronto, gave an address, after which a formal reception was held. On visiting the hospitals for lepers on July 22, the delegates were addressed by Sir Leonard Rogers, of London, on "Leprosy."

PROFESSOR K. F. WENCKEBACH recently summoned a conference in Vienna, at which Dr. W. B. Coffey and Dr. P. K. Brown demonstrated the technique of their operation for the relief of angina pectoris, comparing it with the operation performed by Dr. G. Hofer, of Vienna. A plan of further joint investigation was arranged and another meeting proposed for 1925.

ACCORDING to the *British Medical Journal*, a meeting of subscribers to the fund which has been raised in memory of the late Dr. and Mrs. Augustus D. Waller was held at the London School of Medicine for Women, on July 17, under the chairmanship of Sir Edward Sharpley Schafer. Dr. Waller was at one time lecturer in physiology at the London School of Medicine for Women, and Mrs. Waller was first a student, then demonstrator, and later, until her death, a member of the council. It was therefore resolved that the major part of the fund should be devoted to some purpose in connection with that school. The fund collected amounts to £1,911, and it may eventually reach £2,000. It is proposed to earmark the sum of £100 as a contribution to a Waller Memorial Research Laboratory at St. Mary's Hospital, with which Dr. Waller was long connected as lecturer in physiology, if that project materializes. The remainder will be handed over to the council of the London School of Medicine for Women as a trust to be known as the Augustus and Alice Waller Memorial Research Fund. It is intended that the fund shall be used for the purchase of apparatus and materials, and for the provision of mechanical assistance and the publication of results; it is not to be regarded as in the nature of a scholarship or salary. The fund will be administered by the council of the London School of Medicine for Women, with the advice of the school committee.

DR. W. W. CORT, who has been in China during the last year as visiting professor in parasitology at the Peking Union Medical College, will return to

Baltimore about October 1 to take up his work again in the School of Hygiene and Public Health of the Johns Hopkins University. In addition to teaching at the Peking Union Medical College, Dr. Cort, associated with Dr. J. B. Grant and Dr. N. R. Stoll, has been engaged in investigations on hookworm disease in China. Surveys and epidemiologic studies have been carried out at Chefoo, Peking, Wuchang, Soochow, Nantungchow and Canton. The headquarters of the work have been at the Soochow Hospital, Soochow, where a continuous program of experimental researches has been carried out, beginning with July, 1923. The China Hookworm Commission has worked under the auspices of the Peking Union Medical College, and has been financed by the International Health Board of the Rockefeller Foundation.

UNIVERSITY AND EDUCATIONAL NOTES

THE department of medicine of the University of Virginia at Charlottesville has received the sum of \$15,000 from an anonymous donor to establish scholarships in memory of Dr. Richard H. Whitehead, dean of the school from 1905-1916.

THE University of Cambridge has received a bequest from the late Mrs. Constance Jenkinson for the purpose of founding a lectureship for the encouragement and advance of research in comparative and experimental embryology in the university, to be called the John Wilfred Jenkinson Memorial Lectureship, in memory of her husband, a fellow of Exeter College, who was killed in the war.

THE Board of Governors of McGill University has authorized the construction of a new building for the department of electricity.

ON August 1, the London School of Tropical Medicine became incorporated in the London School of Hygiene and Tropical Medicine under the directorship of Dr. Andrew Balfour. All the members of the old institution will become members of the staff of the new London School of Hygiene and Tropical Medicine.

AT the meeting of the Board of Trustees of the University of Mississippi on July 29, Dr. Alfred Hume, vice-chancellor, was elected chancellor; Dr. J. O. Crider, assistant dean of the School of Medicine, was elected dean; Lloyd E. Thatcher, of the department of zoology of the University of Michigan, was elected professor of biology and embryology, and T. E. Wilson, Jr., was elected acting assistant professor of histology and physiology.

AT the North Carolina State College of Agriculture and Engineering, Dr. Arthur J. Wilson, of Wabash College, and Dr. Frank E. Rice, of Cornell Univer-

sity, have been appointed professors in the department of chemistry.

DR. FLOYD H. ALLPORT, formerly associate professor of psychology in the University of North Carolina, has accepted a professorship of political and social psychology in the new School of Citizenship and Public Affairs, to be opened this fall at Syracuse University.

PROFESSOR E. M. WATSON has been appointed lecturer on pathologic chemistry at the Western University Faculty of Medicine, London, Ont., and consulting pathologist for Victoria Hospital.

PROFESSOR ULRICH EBBECKE, of Göttingen, has been appointed to the chair of physiology at Bonn, vacated by Professor Hofman.

DISCUSSION AND CORRESPONDENCE NEW CASTS OF THE PITHECANTHROPUS REMAINS

IN the beginning of July, 1923, during the writer's visit to Professor Eugene Dubois, to examine, at the latter's invitation and after their long seclusion, the highly important originals of the *Pithecanthropus*, the need of new and reliable casts of all the remains was urged upon Professor Dubois, who promised to comply as soon as circumstances permitted. On July 10, this year, the following gratifying and self-explanatory letter was received:

"Dear Dr. H.

To-day I have forwarded to the Koninklyke Akademie von Wetenschappen, Amsterdam, casts of all the fossil remains of *Pithecanthropus erectus*: the calvarium, the endocranial cavity, the femur, the three teeth and the mandibular fragment, for the U. S. National Museum, Smithsonian Institution, Washington, D. C.

I beg to excuse the late date of this, a year ago promised sending, by my having been seriously indisposed during a long time and the circumstances that we have no specialist in this country to make casts of this kind, so that the work had to be done for the greatest part by my own hands.

Believe me sincerely yours,
(Sgd.) EUG. DUBOIS."

It is understood that two other sets of these casts have been made, one of which is destined for the American Museum of Natural History.

ALEŠ HRDLÍČKA

U. S. NATIONAL MUSEUM

AS STUDENTS UNDERSTAND IT

I THINK it was President Eliot who used the expression, "The incredible incapacity of the average student to receive instruction."

During 36 years, 34 of which have been continuous at one institution, of active work in teaching—per-