

tials will be presented. This will be followed by the unveiling of a tablet in the lobby of the building, commemorative of the anniversary, and then the party will be taken to the offices of *The American Machinist*, where a program will be given depicting the preliminary meeting held so many years ago.

This preliminary conference was summoned by Prof. John E. Sweet, at the publication's office at 96 Fulton Street, New York, on February 16, 1880. Alexander L. Holley was nominated for chairman, and his opening address on the "Field of Mechanical Engineering" covered his conception of it and the type of man from which such a society, if organized, might draw its membership. The first step was to appoint a committee to draw up the basis of organization and formulate its rules; this was done by making Messrs. Henry R. Worthington, Eckely B. Coxe, Jackson Bailey, Gen. Quincy A. Gillmore, Prof. W. P. Trowbridge, M. N. Forney, and A. L. Holley such a committee.

The anniversary program will be continued at Stevens Institute, at Hoboken, N. J., commemorating the organization meeting in the auditorium of the institute with a pageant. There will be a welcoming dinner under the auspices of the Metropolitan Section of The American Society of Mechanical Engineers. On Sunday the party will entrain for Washington, D. C. On Monday morning, an address will be made by a representative of the Government and by the

president of The American Society of Mechanical Engineers. Presentation of greetings and two-minute addresses will be made by a delegate from each country. They will be followed by brief addresses by the presidents of The American Society of Civil Engineers, the American Institute of Mining and Metallurgical Engineers, The American Institute of Electrical Engineers, and the Society for the Promotion of Engineering Education.

In the afternoon there will be a session on "The Influence of Engineering upon Civilization," when seven of the sixteen national papers covering the humanistic aspects of engineering will be summarized by their authors in short addresses. This will be followed by a reception at the White House, while in the evening a reception will be given by the officers and council of the American Society of Mechanical Engineers.

On Tuesday the second part of the session on "The Influence of Engineering upon Civilization" will be held, when the remaining nine national monographs will be presented, and an address summarizing the book to be published on "Fifty Years of Mechanical Engineering in the United States." At noon on Tuesday will be held a luncheon in honor of the founders of the society, and this will be followed by the ceremonies attendant upon the conferring of honorary membership in the society and the presentation of medals.

SCIENTIFIC NOTES AND NEWS

At the annual dinner, as announced last week, of the Chamber of Commerce of the State of New York, on November 21, a portrait was unveiled of Mr. Thomas A. Edison, who has been an honorary member of the chamber for forty years. Mr. Leonor F. Loree, president of the chamber, also paid tribute to eight others who have performed services for the city, including Dr. Henry Fairfield Osborn, president of the American Museum of Natural History, and Dr. Simon Flexner, director of the Rockefeller Institute for Medical Research.

The graduates of the school of medicine of the University of Michigan will on December 9 present to the university a portrait of Dr. Frederick G. Novy, professor of bacteriology and director of the hygienic laboratory. On December 9 Dr. Novy will be sixty-five years of age. Forty-three of those years he has spent as a member of the faculty of the school of medicine. The ceremony on the afternoon of December 9 will be conducted in the Lydia Mendelsohn Theater of the Michigan League. Dr. Alexander G. Ruthven, president of the university, will accept the

gift for the university. The portrait has been painted by John Weiss, of Cincinnati.

THE Dutch Entomological Society has elected as honorary members, in place of Chr. Aurivillius, of Sweden, and Th. Becker, of Germany, both deceased, Dr. Geza Horvath, of Budapest, and Dr. L. O. Howard, of Washington.

THE New York Zoological Society, through its president, Mr. Madison Grant, presented on November 8 a gold medal to Mr. William Beebe in recognition of thirty years of service.

THE College of Physicians of Philadelphia has awarded the Alvarenga Prize for 1929 to Dr. George M. Dorrance, Philadelphia, for an essay entitled "Congenital Insufficiency of the Palate."

DR. AMANDA T. NORRIS, who has been practicing medicine for fifty years in Baltimore, was tendered a dinner by the Women's Medical Society of Maryland on November 9, when the society celebrated its fifteenth anniversary. Dr. William H. Welch was the principal speaker. Dr. Howard A. Kelly gave a his-

tory of women in medicine; Dr. Patience S. Bourdeau Sisco, a sketch of the local society, and Dr. Louise Taylor Jones, Washington, spoke on the International Association of Medical Women.

THE gold medal of the Radiological Society of North America has been awarded to Dr. Joseph Colt Bloodgood, clinical professor of surgery of the Johns Hopkins University, and Dr. Russell L. Haden, of Kansas City. The presentation will be made at the society's fifteenth annual meeting in Toronto, opening on December 2. Dr. Bloodgood is given the award for his work in the study of bone malignancy, its diagnosis and treatment by means of X-ray and radium, and Dr. Haden for his research work in X-ray study of dental infection.

THE Manly Medal for achievement in aeronautical engineering has been awarded to Samuel D. Heron, power-plant engineer of the material division of the air corps at Wright Field, Dayton, Ohio. The medal is bestowed upon the person considered to have made the most important contribution during the year to aeronautical engine development. The award is named in honor of Charles M. Manly, chief engineer for Samuel P. Langley in the design and building of his radial engine for the early Langley monoplane.

At the recent annual meeting of the Association of American Medical Colleges in New York, Dr. William Darrach, of Columbia University, New York, was made president; Dr. Maurice H. Rees, University of Colorado School of Medicine, Denver, vice-president; and Dr. Fred C. Zapffe, Chicago, secretary. The next annual meeting will be in Denver, from October 14 to 16, 1930.

HONORARY fellowships of the Ross Institute, London, have been conferred on Colonel Walter G. King and Dr. W. M. W. Haffkine. Colonel King was sanitary commissioner to the Government of Madras, 1894-05, and for the Government of Burma, 1906-08. While he was engaged on vaccine investigations, the Government of Madras established the King Institute of Preventive Medicine. Dr. Haffkine worked at the Institute Pasteur (as assistant to Pasteur) 1889-1893; and when he had found a vaccine for cholera, he went to India to try it, and was employed by the Indian Government. He founded the Government Research Laboratory, now the Haffkine Institute, at Bombay.

THE Clerk Maxwell Scholarship of the University of Cambridge for the advancement of original research in experimental physics, and especially in electricity, magnetism and heat, which is awarded once in three years and is of the value of £210 a year for three years, has been divided equally between William

Heriot Watson, research student, Gonville and Caius College, and William L. Webster, Ph.D., Trinity College.

A. NELSON SAYRE has been appointed assistant geologist in the water resources branch of the Geological Survey.

LEWIS C. EVERARD has resigned as editor and chief of educational cooperation, United States Forest Service, to become editor for the American Association of Museums. He will have charge of the editing, distribution and sale of all the publications of the association, including the periodical *The Museum News*.

PROFESSOR ALBERT VAN HECKE, head of the civil engineering department of Louvain University, visited recently the Engineering Foundation in New York City. His purpose is to spend several weeks in study of recent advances in engineering research and practice in this country.

CHARLES R. FETTKE, professor of geology at the Carnegie Institute of Technology; W. A. Copeland, assistant professor, and W. H. Seifert completed the field work on the geological survey of the Bradford oil field of northwestern Pennsylvania and adjacent parts of New York state during the past summer for the Pennsylvania Topographic and Geologic Survey, and have returned to Pittsburgh.

DR. C. E. RESSER, of the U. S. National Museum, has returned from a three months' field trip, mostly in the Rocky Mountains of Montana. Collections of fossils and stratigraphic information were obtained in furtherance of his studies on the lower Paleozoic formations.

DR. WALTER B. CANNON, George Higginson professor of physiology at the Harvard Medical School, spoke on "Function of the Sympathetic System in Maintaining the Stability of the Organism," at a meeting of the Institute of Medicine of Chicago and the Society of Internal Medicine of Chicago, on October 25.

PROFESSOR HENRY B. WARD, of the University of Illinois, recently gave a lecture at Cornell University, on "The Pacific Salmon."

ON November 14, Professor G. Carl Huber, of the University of Michigan, lectured at Northwestern University Medical School on "Peripheral Nerve Repair." This was the inauguration of the Stephen Walter Ranson Lectureship, which on this occasion was formally presented to the university by the local chapter of the Phi Beta Pi Fraternity. The establishment of these lectureships is a national policy sponsored by

the fraternity and, as in this instance, each bears the name of some distinguished alumnus.

DR. WILLIAM GERRY MORGAN, president elect of the American Medical Association, gave an address at The New York Academy of Medicine on November 6, on "The Part the Community Can Play in Improving Public Health through Preventive Measures."

PROFESSOR ALEXANDER SILVERMAN, head of the department of chemistry of the University of Pittsburgh, addressed the Chicago section of the American Chemical Society on November 22, on "Glass Manufacture in the Twentieth Century."

PROFESSOR R. B. THOMSON, head of the department of botany, University of Toronto, delivered his presidential address to the Royal Canadian Institute on November 2. His subject was "Botany of the Past and Present."

SIR WILLIAM B. HARDY, director of the low temperature research station of bio-chemistry and biophysics of the University of Cambridge, will deliver the Abraham Flexner Lectures for 1930-31 in the Vanderbilt University School of Medicine. The lectureship was established in the Vanderbilt University School of Medicine in 1927 by Mr. Bernard Flexner, of New York City, the lecturer spending a period of two or three months in residence at the school of medicine. Dr. Heinrich Pohl, director of the Anatomical Institute of Hamburg, delivered the first lectures of this foundation last spring.

DR. JOHN H. STOKES, professor of dermatology and syphilology in the University of Pennsylvania School of Medicine, delivered the annual Briggs Memorial Lecture on "The Syphilology of To-day and To-morrow: A Speculative and Critical Appraisal," on November 25, at the New York Academy of Medicine under the auspices of the New York Tuberculosis and Health Association and the New York County Medical Society.

THE board of regents of the University of the Philippines has established the Baker Memorial professorship in the College of Agriculture, in memory of the late Dean Charles Fuller Baker, who died in July, 1927. This professorship will provide for the service of a man from abroad, who will be in residence at the college for at least eight months, and will teach five hours a week.

ORSON BENNETT JOHNSON, professor of zoology at the University of Washington twenty years ago, whose death occurred in 1917, will have his memory perpetuated by the new building for biology, on which construction will begin January 1. The building, which will cost \$455,000, will be known as the Orson Bennett Johnson Biological Laboratory.

FRIENDS of Professor Chandler presented in 1910 to the trustees of Columbia University a sum of money which constitutes the Charles Frederick Chandler Foundation. The income from the fund is used to provide a lecture by an eminent chemist, and to provide a medal to be presented to the lecturer in further recognition of his achievements in science. Previous lecturers of this foundation have been Leo H. Baekeland, W. F. Hillebrand, W. R. Whitney, F. Gowland Hopkins, Edgar F. Smith, Robert E. Swain, E. C. Kendall, S. W. Parr, Moses Gomberg, and J. Arthur Wilson. The lecturer this winter will be Dr. Irving Langmuir, president of the American Chemical Society, and assistant director of the research laboratory of the General Electric Company. Dr. Langmuir's subject will be "Electrochemical Interactions of Tungsten, Thorium, Caesium and Oxygen." The lecture will be given in Havemeyer Hall, Columbia University, on December 13.

Industrial and Engineering Chemistry notes that arrangements by the Royal Institution for the celebration of the centenary of Faraday's discovery of electromagnetic induction are progressing. At the representative meeting held at the house of the institution on February 5, the formation of two committees was agreed to, and these committees are now at work. The first, consisting of representatives of the Royal Society, the British Association, and other scientific societies, as well as the Royal Institution, is concerned with the purely scientific aspects of Faraday's work in relation to the proposed celebrations. The second committee, which has been called together by the Institution of Electrical Engineers, consists of representatives of the principal organizations of those industries which have risen in the past hundred years upon the scientific foundation of Faraday's discoveries, and is dealing with the industrial aspects of the celebrations. The two committees are working in close cooperation; the preliminary discussions indicate that the significance of the centenary is very widely appreciated and that the celebrations are likely to arouse world-wide interest and support. The dates have now been fixed, and the proceedings will commence in London on Monday, September 21, 1931. Further during the week the British Association will hold its centenary meeting in London, beginning on September 23. Dr. Elihu Thomson, director of the Thomson Research Laboratory of the General Electric Company, at Lynn, Massachusetts, has appealed for the hearty participation of American scientific men in the Faraday celebration.

ELEVEN professorships have been named at Columbia University in honor of men who played prominent rôles in the institution's development. These include: Hosack professorship in the faculty

of medicine, in memory of David Hosack, professor of botany, 1795-1811, and professor of *materia medica*, 1796-1811—to be held by Dr. Charles C. Lieb, of the department of pharmacology. Stevens professorship of mechanical engineering, in memory of John Stevens, of the class of 1768, a pioneer in engineering research—Charles E. Lucke, of the department of mechanical engineering. Renwick professorship of civil engineering, named for James Renwick, of the class of 1807—James Kip Finch, of the department of civil engineering. The Vinton professorship of mining engineering, in memory of Francis E. Vinton, professor of civil engineering from 1864 to 1877 and a builder of the original school of mines—Thomas Thornton Read, of the department of mining. The Newberry professorship of geology, in memory of John S. Newberry, professor of geology and paleontology, 1866-1892—Charles P. Berkey, of the department of geology and mineralogy.

THE annual meeting of the Society of Experimental Biology was held recently in Florence on the occasion of the congress of the Association for the Advancement of Science. Professor Beccari, of the Univer-

sity of Florence, presided. He was assisted by Professor Filippo Bottazzi, general secretary of the society, a member of the department of physiology in the University of Naples.

A DINNER to celebrate the twentieth anniversary of the mental hygiene movement was given in New York City, under the auspices of the National Committee for Mental Hygiene and the American Foundation for Mental Hygiene. Dr. William H. Welch, director of the department of the history of medicine of the Johns Hopkins University, and honorary president of both organizations, presided. Dr. James R. Angell, president of Yale University, spoke on "Mental Hygiene in the College and the University." Dr. William A. White, superintendent of St. Elizabeth's Hospital, Washington, D. C., member of the executive committee of the national committee, and president of the First International Congress on Mental Hygiene, reviewed twenty years of the movement, and discussed the coming international congress. Clifford W. Beers, founder and secretary of the national committee and of the foundation, and Dr. Frankwood E. Williams, medical director of the national committee, also spoke.

UNIVERSITY AND EDUCATIONAL NOTES

GIFTS and bequests to Teachers College, Columbia University, amounting to \$534,047 were announced on November 15 by Dean William F. Russell. Among the gifts are \$100,000 from the General Education Board for the Lincoln School, \$90,000 from the Laura Spelman Rockefeller Memorial for the Child Development Institute, \$85,000 from the International Education Board for the International Institute, \$27,500 from the Institute of Social and Religious Research for the Character Development Inquiry. The General Education Board had voted to complete the endowment of \$3,000,000 for the perpetuation of educational research through the Lincoln Experimental School, a subdivision of the college.

IN the will of Dr. John F. B. Weaver the school of medicine of the University of Maryland has been named residuary legatee of his estate and is expected to receive about \$150,000.

THE General Education Board has appropriated \$50,000 to Morgan College, Baltimore, for the erection of a science hall.

DR. ALAN M. CHESNEY has been appointed dean of the medical school of the Johns Hopkins University, succeeding Dr. Lewis H. Weed, who has been carrying on the work of professor of anatomy as well as that of dean and wishes to devote his time to the work in anatomy. Dr. Chesney has been associate professor at the university since 1921.

OSKAR BAUDISCH, who received his Ph.D. from the University of Zurich in 1904, has been appointed a research associate in organic chemistry at Yale University with assignment to the graduate school and with the rank of associate professor.

FOR the present academic year Dr. George Hume Smith, formerly of the University of Illinois, is acting as assistant professor of botany in the University of Missouri.

APPOINTMENTS of instructor in inorganic chemistry at the Massachusetts Institute of Technology are Dr. Charles E. Teeter, Jr., who has been research associate at the University of California; Dr. Ralph P. Seward, of Brown University, who has been teaching in Brenau College, Georgia; Dr. Herschel Hunt, formerly research fellow at Indiana University, and Mr. A. Sherrill Houghton, who has been teaching at the University of Colorado for the past three years.

JAMES R. MATTHEWS has been appointed to the professorship of botany at the University of Reading which has become vacant through the resignation of Dr. W. Stiles, now professor of botany at the University of Birmingham. Mr. Matthews is at present a lecturer at the University of Edinburgh.

DR. ROBERT ROBINSON, professor of organic chemistry in the University of London, has been elected to the Waynflete professorship of chemistry in the University of Oxford.