

The program began with the singing of an appropriate anthem by the college choir, under the leadership of Professor E. H. F. Weis. Dr. Law then made a brief presentation address; and the acceptance of the gift was acknowledged by the Hon. W. R. Boyd, of the Iowa State Board of Education. The formal address was delivered by Professor William Morris Davis, of Harvard University, who took as his subject "The Faith of Reverent Science." Before the memorial hall Rev. J. E. Johnson, president of the board of trustees, gave the dedicatory address and offered prayer. On behalf of the Iowa colleges greetings were extended by Professor G. F. Kay, of the Iowa State University.

The ceremony of the unveiling of the bronze tablet in honor of Professor Norton, who served with distinction for fifty years on the faculty of Cornell College, took place in the geological auditorium, Dr. Howard E. Simpson, professor of geography in the State University of North Dakota, and an old student and colleague of Professor Norton, delivering the principal address. He said in part:

Fifty years ago, William Harmon Norton, a youthful graduate, dedicated his life to the service of Cornell College, his Alma Mater. For these fifty years he has served the young manhood and young womanhood of America from this hilltop. To-day we are gathered to dedicate a hall of learning in which his master science, geology, will be taught—a hall made both necessary and possible by his teaching. In it will be housed the department which he has created, the head chair and the departmental library of which he has endowed, and the laboratory collections which have been largely gathered by his own hands.

It is most fitting, then, that after dedicating this beautiful and useful building to the teaching of that most noble science, geology, we pause here briefly to unveil a tablet of enduring bronze, so placed that all who pass within the portals of this hall may read our tribute to the man we first learned to love, honor and respect as a teacher.

SCIENTIFIC NOTES AND NEWS

PROFESSOR ALBERT EINSTEIN has been awarded the gold medal of the Royal Astronomical Society.

PROFESSOR J. W. MCBAIN, Leverhulme professor of physical chemistry in the University of Bristol, will deliver a course of lectures on colloid chemistry at the University of California during the first part of this year and he will be the guest of honor at the National Colloid Symposium to be held in June at the Massachusetts Institute of Technology.

SIR ROBERT JONES, orthopedic surgeon, president of the Association of Surgeons of Great Britain, has been made a baronet. Other names on the king's new

year list of honors include the following who have been knighted: Thomas Hudson Beare, Regius professor of engineering and dean of the faculty of science at the University of Edinburgh; Dr. Albert Alfred Bolam, chairman of the council of the British Medical Association, and Professor John Bretland Farmer, governor of the Imperial College of Tropical Agriculture, Trinidad.

EDWARD DEAN ADAMS, of New York City, has been awarded the John Fritz gold medal for engineering achievement by the Engineering Foundation.

THE presentation of the Perkin medal of the Society of Chemical Industry to Dr. R. B. Moore took place at the Chemists Club, New York, on January 15. Addresses were made by Dr. S. C. Lind, of the U. S. Bureau of Mines, and Dr. Herman Schlundt, of the University of Missouri.

PROFESSOR B. S. KITASATO, director of the Royal Japanese Institute for Infectious Diseases, has been awarded the Harben gold medal for 1925 of the Royal Institute of Public Health, England.

DR. CH. HEDON, professor of physiology at the University of Montpellier, and Dr. E. Laguesse, professor of histology at the University of Lille, have been awarded the Prince Albert of Monaco prize of the French Academy of Medicine. This prize has a value of 100,000 francs.

M. J. BETHENOD, of the École Supérieure d'Electricité, Paris, has been awarded the Gaston Planté prize by the French Academy of Sciences for his work on the generation and utilization of alternating current at high frequencies.

ALBERT CAMPBELL, formerly of the National Physical Laboratory, has been awarded the Duddell medal of the Physical Society of London.

PROFESSOR JOHN S. PLASKETT, director of the Dominion Astrophysical Observatory, Victoria, B. C., received the honorary degree of LL.D. at the recent convocation of the University of British Columbia, the first to be held in the permanent buildings of the university at Point Grey.

DR. HIDEYO NOGUCHI was given a complimentary dinner at the University Club, New York, on January 15, by the trustees, scientific directors, members and associate members of the Rockefeller Institute for Medical Research.

JAMES E. DAVIDSON, president of the National Electric Light Association, was the guest of honor at a dinner given on December 30 by the Nebraska Section of that association, at the Hotel Fontenelle, Omaha.

It was stated in the issue of *SCIENCE* for January 1 that a building at the University of Wisconsin had been named in honor of Professor Stephen E. Babcock. We are informed that this is an error. The Mining Engineering Building at the University of North Dakota has been named in memory of the late Earl J. Babcock, former dean of the College of Engineering, whose death was recorded in the issue of *SCIENCE* for October 13, 1925.

DR. GEORGE K. BURGESS, of the U. S. Bureau of Standards, has been elected president of the Washington Academy of Sciences for the ensuing year. Drs. W. W. Campbell and Raymond Pearl were elected non-resident vice-presidents.

THE Society of American Bacteriologists has elected officers for 1926 as follows: *President*, Hans Zinsser, Harvard Medical School; *Vice-president*, Robert S. Breed, Agricultural Experiment Station, New York; *Secretary-treasurer*, James M. Sherman, Cornell University; *Councilors*, S. Henry Ayers, C. C. Bass, F. M. Huntoon, and Karl F. Meyer.

DR. RUSH MCNAIR has been elected head of the Kalamazoo Academy of Medicine to succeed Dr. S. Rudolph Light.

DR. JOHN B. WATSON has been succeeded in the editorship of the *Journal of Experimental Psychology* by Professor Madison Bentley, University of Illinois. The journal belongs to the group of Psychological Review publications now owned and published by the American Psychological Association.

WALTER G. WHITMAN, assistant professor of chemical engineering and assistant director of the research laboratory of applied chemistry at the Massachusetts Institute of Technology, has joined the research staff of the Standard Oil Company.

T. S. LOVERING has been appointed junior scientist in the U. S. Geological Survey.

DR. MYNIE G. PETERMAN, associate in pediatrics, Mayo Clinic, Rochester, Minnesota, has accepted the position of director of laboratory and research at the Children's Hospital, Milwaukee.

DR. GEORGE GRANT MACCURDY, of Yale University, director of the American School of Prehistoric Research, has been designated by the school and the Smithsonian Institution to represent them at the Archeological Congress to be held in Palestine and Syria from April 2 to 23.

PROFESSOR G. W. MUSGRAVE, head of the department of agronomy at Rutgers University, has been granted a leave of absence to organize and direct the new agricultural department of the American Cyanamid Company.

LUDLOW GRISCOM, assistant curator of birds at the American Museum of Natural History, sailed from New Orleans on January 9 as the museum representative on the Mason-Spinden Ornithological Expedition to the east coast of Yucatan. He will pay special attention to the bird life of this little-known coast and will endeavor to secure representative collections of the peculiar species of birds known only on Cozumel Island.

MAJOR E. A. GOLDMAN, of the U. S. Biological Survey, has gone to Mexico, where he will spend about three months investigating the principal wintering areas of migratory wild fowl at widely separated points in that country.

DR. S. F. BLAKE, of the U. S. Bureau of Plant Industry, accompanied by his wife, Mrs. Doris H. Blake, of the U. S. Bureau of Entomology, recently returned to Washington after spending several months abroad in scientific work while on leave from their respective offices.

DR. BRADLEY M. PATTEN, associate professor of histology and embryology in the school of medicine of Western Reserve University, has returned to Cleveland after two months spent in Baltimore studying the collection of young mammalian embryos at the Carnegie Embryological Institute.

DR. DAVID CHEEVER, professor of surgery in the Harvard Medical School, has been given a sabbatical leave of absence for the second half of the school year. He will devote this time to rest and travel, going first to California.

DR. EDWIN BIDWELL WILSON, professor of vital statistics in the School of Public Health at Harvard University, will deliver the fifth Harvey Society lecture at the New York Academy of Medicine on Saturday evening, February 6, at eight-thirty. His subject will be "Empiricism and Rationalism."

IN March DR. GEORGE H. PARKER, of Harvard University, will give at the Wagner Free Institute of Science of Philadelphia four lectures on "The Animal Mind: its Source and Evolution."

DR. CHARLES H. MAYO, of the Mayo Clinic, Rochester, will give a lecture before the Franklin Institute on January 28, on "Light and Health."

DR. L. O. HOWARD, chief of the Bureau of Entomology of the United States Department of Agriculture, addressed the Science Club of the Kansas State Agricultural College on January 4 on the subject "The Biological Control of Insects."

DR. H. V. HARLAN, of the Bureau of Plant Industry, U. S. Department of Agriculture, recently delivered an address before the Royal Canadian Insti-

tute on the subject "Experiences of a Plant Explorer in Abyssinia."

DR. MARTIN H. FISCHER, Eichberg professor of physiology at the University of Cincinnati College of Medicine, lectured at the Mayo Foundation, Rochester, on December 7, 1925, on "Colloid Chemistry in Biology and Medicine."

DR. FRANCIS C. WOOD, director of the Crocker Cancer Research Institute, Columbia University, addressed the Wayne County Medical Society, Detroit, on January 22, and gave a clinic at the Harper Hospital in the morning.

DR. JAMES E. ACKERT, professor of zoology at the Kansas State Agricultural College, lectured on January 7 and 8 at Ottawa and Baker Universities (Kansas), on the subject, "Contributions of Medical Zoology to Human Welfare."

DR. WILLIAM W. FORD, professor of bacteriology at the Johns Hopkins School of Hygiene and Public Health, has been appointed to prepare the official report to the state department of health of the life of Dr. Raymond C. Salter, chief of the bureau of bacteriology, who died recently.

IN memory of the late Professor Bergonié, it has been decided to found in Bordeaux a laboratory for electrical and radiological research, with possibly the creation of a fund to give grants to research workers and to assist radiologists suffering from the effects of radium and X-rays.

DR. WILLIAM E. SAFFORD, economic botanist for the United States Department of Agriculture, died on January 10 at the age of sixty-six years.

C. N. CATLIN, associate professor of agricultural chemistry at the University of Arizona, died on November 12, following an operation for appendicitis.

DR. FREDERICK T. ASCHMAN, chemist for the Pennsylvania State Food Department and formerly professor of chemistry in the school of pharmacy at the University of Pittsburgh, died on December 10, aged sixty-eight years.

DR. MARTIN MURPHY, consulting engineer, past president of the Nova Scotia Institute of Science and of the Canadian Society of Civil Engineers, died on January 9, aged ninety-three years.

DR. JOHN GRAY MCKENDRICK, from 1876 to 1906 professor of physiology in the University of Glasgow and later Foulerton professor of physiology at the Royal Institution of Great Britain, died on January 2, aged eighty-five years.

DR. U. N. OUSSIMENKO, deputy territorial veterinarian and bacteriologist for the Island of Maui,

in Hawaiian Territory, died on January 13 of anthrax. Dr. Oussimenko had been experimenting with anthrax in his laboratory.

DR. ERNEST DESNOS, member of the French Academy of Medicine, recently died in Pondicherry, India, from cholera. Dr. Desnos went to India several months ago to make a special study of the disease from which he died.

THE death is announced from Berlin, at the age of fifty-five years, of Professor Georg Klingenberg, a well-known German electrical engineer.

THE International Institute for Intellectual Cooperation was inaugurated in Paris on January 16, in the rooms of the old Palais Royal. Gilbert Murray, Madame Curie, Albert Einstein, Professor R. A. Millikan and many other prominent scientific men attended.

THERE was recently organized at Honolulu the Hawaiian Academy of Science with a charter membership of 80. The officers are: Dr. F. C. Newcombe, *President*; Dr. C. Montague Cooke, *Vice-president*; E. L. Caum, *Secretary-treasurer*; Otto H. Swezey and Professor F. G. Krauss, members of the executive committee.

THE Chicago section of the American Institute of Chemical Engineers has elected the following officers for 1926: *Chairman*, F. M. de Beers; *Vice-chairman*, W. B. Brown; *Secretary-treasurer*, B. B. Freud.

THE annual meeting of the Northeastern Bird Banding Association was held on January 15 in the lecture hall of the Boston Society of Natural History.

THE nineteen members of the Sigma Xi connected with the faculty of the State College of Washington recently organized a Sigma Xi club. On January 7 the group met at dinner to hear the reports of two of its members, Dr. H. E. Culver and Professor F. J. Sievers, who attended the meeting of the national society at Kansas City.

A SIGMA XI CLUB of Rochester was organized on December 2, 1925, composed of the members of the Society of Sigma Xi in Rochester and vicinity. Professor Liberty Hyde Bailey, of Ithaca, newly elected president of the American Association for the Advancement of Science for 1927, gave an address, cautioning his hearers against pre-judgment, or prejudice, in all activities. The truth should be sought and it alone control our affairs. Professor Fairchild acted as temporary chairman until Professor John R. Murlin, of the department of vital economics of the University of Rochester, was elected. Of the 32 present, 17 are connected with the Univer-

sity of Rochester and 11 with the research laboratories of the Eastman Kodak Company.

PLANS for the midwinter New York convention of the American Institute of Electrical Engineers, which will be held in the Engineering Societies Building on February 8 to 11 inclusive, are about complete. The wide range of subjects includes transmission stability, protective and control systems, bus and structural construction, electrical machinery, measurements, insulation and dielectric absorption, electromagnetism and electrophysics, communication and sound reproduction and furnace-resistor design. On February 10, there will be a dinner-dance at the Hotel Astor, and on Thursday evening an address by a prominent speaker not yet selected.

THREE lectures under the John Howard Appleton Fund have been arranged by Brown University for this season. The first lecture was given on January 21, by Dr. Colin Fink, professor of electro-chemistry at Columbia University, whose subject was "The Electrolytic Restoration of Ancient Bronzes." Dr. Glenn E. Matthews, photographic chemist in the research laboratory of the Eastman Kodak Company, will give the second lecture, "Color Photography," on Thursday, February 11, and Dr. Gustavus J. Esselen, Jr., of Boston, the third lecture, "The Modern Advancement of Cellulose in Industry," on March 18.

THE New York Aquarium announces that the series of radio talks given from Station WEAJ on alternate Fridays since June, 1925, by Miss Ida M. Mellen, assistant to the director of the aquarium, will be repeated during 1926 in response to numerous requests. This time Miss Mellen will be heard on occasional Wednesday evenings in the New York Zoological Society series, Station WJZ, beginning with two talks in February—one on "The New York Aquarium and its Denizens" and one on "Goldfishes and the Care of Fishes in Captivity." These will be followed by ten other talks on fishes, succeeding subjects being Whales and Porpoises, Sea Birds at the Aquarium, Seals and Sea Cows, etc.

A SERIES of twelve semi-popular radio lectures on the birds of Iowa will be broadcast from WSUI, the University of Iowa broadcasting station, by Professor Dayton Stoner beginning February 8 at 7:50 P. M. The series is to be continued weekly until finished. This is one of the radio correspondence courses offered during the coming semester by the extension division of the university.

DURING the past few months, Dr. H. H. Sheldon, of the department of physics at New York University, has been giving half-hour radio talks through Station WJZ, of the Radio Corporation of America. He

spoke on the following subjects: Molecules and atoms; The electron and the vacuum tube; Inside the atom; The nature of sound and light; The X-ray; Ultra-violet and polarized light; Light and color; Heat and temperature; Resonance and radio reception; The nature of energy.

THE board of governors of the Mayo Clinic has established the J. William White scholarship. This scholarship has been made possible by reason of a legacy left to Dr. W. J. Mayo and Dr. C. H. Mayo by the late Dr. White, formerly professor of surgery at the University of Pennsylvania. It was Dr. White's desire that the proceeds from this gift should be used for educational purposes in the Mayo Foundation. In accordance with this wish the board of governors has decided that a scholarship should be created, the scholarship to be awarded by the trustees of the Mayo Properties Association, on the recommendation of the medical graduate committee of the Mayo Foundation, to the graduate (either M.S. or Ph.D. in surgery in the Mayo Foundation) who, in the opinion of the committee, is most deserving of an opportunity for study in surgical clinics in foreign countries.

IT was recently announced in *SCIENCE* that Dr. J. B. Whitehead, of the Johns Hopkins University, had been awarded the triennial prize for 1925 of the Fondation George Montéfiore of Liège. We learn from *Nature* that this prize was divided and awarded to four engineers as follows: To Mr. F. Creedy, electrical and mechanical engineer, London, for papers on "Some Developments in Multi-speed Cascade Induction Motors" and "Variable Speed Alternating Current Motors without Commutators" (6,000 francs); Professor J. B. Whitehead (4,000 francs); Mr. Chechulowsky, electrical engineer, Antwerp, for his "Study on Operating and Releasing Times of Telephone Relays" (4,000 francs), and a prize (2,000 francs) for the description of "A New Form of Converter" was awarded to Mr. Raymond Wilmette, London.

REPRESENTATIVE ROBINSON, of Itawamba, introduced a bill in the Mississippi legislature on January 6 to prohibit the teaching of the theory of evolution in schools and colleges of Mississippi supported in whole or in part by state appropriation. The bill is almost a replica of the Tennessee law and provides a fine of from \$100 to \$500 for violation.

WE learn from *Nature* of the award of prizes by the Anthropological Society of Paris. The Godard prize for 1924 is awarded to Dr. Maurice Neveux for a thesis entitled "Religion des Noirs: Fétiches de la Côte d'Ivoire," which embodies observations made when the author was in charge of the medical services of that area. Two awards of the Brocas prize are

made. The prize for 1922 is awarded to Dr. Fritz Sarasin, of Basle, for his work on the anthropology of the New Caledonians, and to Dr. E. Pittard, of the University of Geneva, for his book on the peoples of the Balkans. The prize for 1924 was divided between Dr. Antoine Delattre for a thesis on the comparative anatomy of the axis in mammals; M. Chaine, of Bordeaux, for his work on the digastric muscle, and M. Cipriano Lidio, of Florence, on the human patella.

THE Wagner Free Institute of Science of Philadelphia is about to begin the publication of a quarterly bulletin to contain reports of research conducted under its auspices and also information in regard to its educational activities. Volume II of its Transactions is now in press containing a paper on "The Chemistry and Physiology of the American Pitcher Plants," by Dr. Joseph S. Hepburn.

THE University of Washington is to be an international center of the United States and Canadian fisheries research work on the Pacific Coast, according to announcement from Dean John N. Cobb, of the College of Fisheries. The International Fisheries Commission, composed of official state fisheries commissions of Pacific coast states, Alaska and British Columbia, together with the entire Canadian department of fisheries, will consolidate all work here. The university was selected especially because of its proximity to the halibut and salmon supply. Eight leading fisheries scientists will locate in Seattle, among them William S. Thompson, of the California state fisheries, and Dr. H. F. Rich, of Washington, D. C.

AN increase of the endowment of the American Museum of Natural History of New York City by \$10,000,000 was urged by its president, Dr. Henry Fairfield Osborn, in his annual financial administrative report made to the board of trustees. While gifts for exploration and other special purposes reached the record amount of \$400,000 in 1925, according to Dr. Osborn, additional funds are needed to enable the museum to resume work now suspended and carry on its normal expansion. Operating and administrative costs of the museum, he said, have risen 120 per cent. in the last decade without a corresponding increase in the endowment or the city's annual appropriation.

UNIVERSITY AND EDUCATIONAL NOTES

ABOUT \$6,000,000 will ultimately be given to charitable and educational institutions under the will of the late Dr. Norman Bridge. The estate, on the death of the widow, is to be divided equally between the University of Chicago for medical education, the University of Southern California Medical Department,

the Barlow Sanatorium Association of Los Angeles, the Southwest Museum Incorporated, Los Angeles, and La Vina, a sanatorium in Pasadena; each of the five institutions, it is reported, will receive about \$1,200,000. There were ten \$10,000 bequests also, among others to Northwestern University and the University of California.

PRINCETON UNIVERSITY has received a gift of \$150,000 from Thomas D. Jones, of Chicago, to be used to endow a chair in the department of mathematics to be called the Henry Burchard Fine professorship of mathematics in honor of Professor Fine, dean of the department of science.

A RECENT gift to Yale University made by Mrs. Knight, widow of Dr. George H. Knight, completes the amount necessary for meeting the terms of the General Education Board contingent pledge of \$1,000,000 endowment for the school of medicine.

DR. ALBERT W. GILES, professor of geology at the University of Virginia and former state geologist of Virginia, has been appointed head of the department of geology at the University of Arkansas.

DR. OAKES AMES, assistant professor of economic botany at Harvard University, has been promoted to professor of botany in the university.

DR. ALBERT O. HAYES, of Ottawa, Canada, has been appointed visiting professor for the second term at Lafayette College to fill the vacancy in the department of geology, created by the death of the late Professor Peck.

DR. PAUL B. MACCREADY, formerly a fellow in medicine of the National Research Council, has recently been appointed as clinical instructor of surgery at Yale University Medical School.

PROFESSOR A. V. HILL, who recently resigned from the Jodrell chair of physiology at University College, London, to accept an appointment by the Royal Society to a Foulerton chair, will continue his work at the University of London and will hold the title of professor of physiology.

ASSOCIATE PROFESSOR F. J. TEAGO, of the University of Liverpool, has been appointed to the Robert Rankin chair of electrical machinery in the university.

DISCUSSION AND CORRESPONDENCE

A NOTE ON THE HUMBOLDT CURRENT AND THE SARGASSO SEA

As I have already reported unofficially, when I visited the Galapagos during the early months of 1925, in the New York Zoological Society's oceanographic vessel *Arcturus*, I found the Humboldt Cur-