

particularly well equipped, two are in electrodynamics and one in the study of viscosity of liquids.

The building in which all these researches are conducted is more than thirty-two years old, but, all things considered, it still serves its purpose very well. This is all the more remarkable when it is remembered that at the time when it was built there were few laboratories, either here or abroad, to serve as models. It is to the foresight of Professor John Trowbridge that the successful design of the Jefferson laboratory was largely due and it was his unselfish energy which made its equipment possible. Those who work in the building should ever keep these facts gratefully in mind.

THEODORE LYMAN

CAMBRIDGE

SCIENTIFIC NOTES AND NEWS

THE Society of American Bacteriologists will meet at New Haven on December 26, 27 and 28. There will be an adjourned meeting in New York on December 29 in affiliation with Section K of the American Association. Members of program committee who have been requested, in opening the sessions under their charge, to review the work done in America in their field in bacteriology are as follows: Professor C.-E. A. Winslow, characterization and classification; Dr. F. G. Novy, protozoology; Professor C. E. Marshall, agricultural bacteriology; Professor F. P. Gorham, industrial bacteriology; Professor E. O. Jordan, sanitary bacteriology; Dr. W. H. Park, human pathology; Dr. V. A. Moore, comparative pathology; Dr. Erwin Smith, phytopathology, and Dr. D. H. Bergey, pedagogics of bacteriology. Those who have accepted invitations to speak at the dinner are Dr. A. C. Abbott, Dr. Herman M. Biggs, Professor H. W. Conn, Dr. J. J. Kinyoun, Professor W. T. Sedgwick, Dr. Theobald Smith, Dr. V. C. Vaughan and Dr. W. H. Welch.

To celebrate the eighty-sixth birthday (May 6) of Dr. Abraham Jacobi a dinner was given at the Ritz-Carlton, New York. Dr. Jacobi,

emeritus professor of diseases of children in Columbia University, is in active hospital and private practise in New York City.

DR. RAYMOND DODGE, professor of psychology in Wesleyan University, has been appointed by the trustees of Columbia University to be Ernest Kempton Adams research fellow for the academic year 1916-17.

At its meeting held May 10, 1916, the Rumford Committee of the American Academy of Arts and Sciences voted a grant of \$500 to Professor R. A. Millikan, of the University of Chicago, in aid of his researches on the photoelectric properties of metals in extreme vacua.

A GRANT of \$300 has been made from the C. M. Warren Fund of the American Academy of Arts and Sciences to Professor Grinnell Jones, of Harvard University, for work on the free energy of chemical reactions.

THE British Institution of Civil Engineers has made the following awards for papers read and discussed during the session of 1915-16: A Telford gold medal to Sir John Benton (Eastbourne); a Watt gold medal to Sir George Buchanan (Rangoon); a George Stephenson gold medal to Mr. F. W. Carter (Rugby), and Telford premiums to Mr. C. Carkeet James (London), Mr. D. E. Lloyd-Davies (Cape Town), and Mr. W. T. Lucy (Oxford).

THE two annual Walker prizes in Natural History offered by the Boston Society of Natural History were this year awarded as follows: a first prize of one hundred dollars to Wilbert Amie Clemens for his essay entitled "An Ecological Study of the May-fly, *Chironetes*," and a second prize of fifty dollars to Carl Cheswell Forsaith, for his essay on "The Relation of Peat Deposits to the Formation of Coal." These prizes are annually offered for the best memoirs submitted on subjects in natural history, and while the composition is open to all, it was the intent of the founder of the prizes, the late William Johnson Walker, that they should serve as an encouragement for younger naturalists, rather than as a reward for mature investigators.

DR. R. HAMLYN-HARRIS, director of the Queensland Museum, has been elected president of the Royal Society of Queensland.

PROFESSOR E. M. LEHNERTS, of the University of Minnesota, has succeeded D. Lange as president of the Minnesota Forestry Association.

DR. R. WILLSTÄTTER, professor of chemistry at Berlin, has been elected a foreign member of the Swedish Academy of Sciences.

DR. FREDERICK TAYLOR has been reelected president of the Royal College of Physicians, London.

DR. ARTHUR D. LITTLE, of Boston, has been placed in charge of the bureau, which was organized recently in Montreal for the purpose of coordinating the work of scientific men and experts engaged in scientific research in all parts of the Dominion of Canada.

DR. RALPH H. MCKEE has resigned his position as professor of chemistry in the University of Maine, to become head of the research department of the Tennessee Copper Company with laboratory headquarters at Ridgefield Park, N. J.

S. B. HASKELL has resigned as professor of agronomy in the Massachusetts College, to engage in commercial work.

CONTINUING the policy which has been in effect in Nela Research Laboratory for the past two summers, the following three men have accepted invitations to pursue research work in the laboratory during the coming summer: Professor Ulric Dahlgren, professor of biology, Princeton University; Dr. W. E. Burge, acting head of the department of physiology, University of Illinois, and Dr. Jakob Kunz, associate professor of physics, University of Illinois. Dr. Edward O. Hulburt, of the Johns Hopkins University, has been appointed Charles F. Brush fellow in physics in the laboratory for the summer of 1916.

ACCORDING to a press dispatch the British government has decided to organize an expedition for the relief of Sir Ernest Shackleton's Antarctic expedition.

PROFESSOR RICHARD P. STRONG, of Harvard University, who is a member of the Serbian

Distress Fund Committee, is returning to Europe in a few days for the purpose of making arrangements for relieving the distress of native civilians, who have been unable to leave Serbia. A fund will be raised for this relief and also for that of the Serbians who have left.

THE third medical unit to be sent by Harvard to relieve the present university contingent in Europe will be composed of twenty-three surgeons, nearly all graduates of the Harvard Medical School. The unit, led by Dr. Hugh Cabot, '94, will sail for England on the Cunard liner, *Andania*, on May 20.

MESSRS. ALFRED H. BROOKS, SIDNEY PAIGE, H. G. FERGUSON and J. FRED HUNTER, JR., of the U. S. Geological Survey, have joined the military training camp to be held at Dodge, Ga., from May 3 to June 1.

PROFESSOR THEOBALD SMITH, of the Rockefeller Foundation for Medical Research, Princeton, New Jersey, will deliver the second Mellon lecture under the auspices of the Biological Society for Medical Research of the University of Pittsburgh, in the Mellon Institute for Industrial Research on May 17. The subject of the address will be "Certain Aspects of Natural and Acquired Resistance to Tuberculosis and their Bearing on Preventive Measures."

THE following addresses dealing with various phases of human and animal nutrition have recently been given before the Washington Academy of Sciences:

Dr. C. L. Alsberg, "The Biochemical Analysis of Nutrition."

Dr. Eugene F. Du Bois, "The Basal Food Requirement of Man."

Dr. Graham Lusk, "Nutrition and Food Economics."

Dr. E. B. Forbes, "Investigations on the Mineral Metabolism of Animals."

Dr. Carl Voegtlin, "The Relation of the Vitamines to Nutrition in Health and Disease."

The addresses will be published in the *Journal* of the Washington Academy of Sciences and reprinted in a collected form.

THE Scientific Association of the Johns Hopkins University was addressed on May 11

by Dr. Ira Remsen on "Chemistry and the Present War."

At the Case School of Applied Science, Dr. L. A. Bauer, of the Carnegie Institution of Washington, will, on May 23, give the lecture at the open meeting of the Society of Sigma Xi, his subject being "The Earth a Great Magnet and the Work of the Non-magnetic yacht *Carnegie*."

PROFESSOR RAYMOND DODGE, of Wesleyan University, spent the time from May 6 to 8 in consultation with the bureau of applied psychology at the Carnegie Institute of Technology, and delivered a lecture on "Some Psychological Effects of Alcohol."

PROFESSOR E. M. FREEMAN, assistant dean of the college of agriculture of the University of Minnesota, gave the Sigma Xi address at the University of Wisconsin on April 26. His subject was "Wheat Rust Investigations."

THE Philadelphia Academy of Surgery announces that essays in competition for the Samuel D. Gross prize of \$1,500 will be received until January 21, 1920. Full information may be obtained by writing to the trustees, 19 South Twenty-second Street, Philadelphia.

SIR ALEXANDER R. SIMPSON, for many years professor of midwifery in the University of Edinburgh, bequeaths the museum formed by his uncle, the late Sir James Young Simpson, the discoverer of chloroform as an anesthetic, to the University of Edinburgh. He had previously given his uncle's and his own libraries to the Royal College of Physicians, Edinburgh.

THE bronze tablet placed in St. Paul's Cathedral to the memory of Captain Scott and his companions was unveiled on May 5.

PROFESSOR I. P. B. MENSCHUTKIN, of the Polytechnic Institute, Petrograd, writing on March 20, informs *Nature* that Professor Pawlow is alive and well. The obituary notices which appeared in scientific and medical journals were, as has been suggested in *SCIENCE*, due to confusion with E. W. Pawlow, a Petrograd surgeon, who died in February.

JOHN EDSON SWEET, who was professor of practical mechanics at Cornell University

from 1873 to 1879, died in Syracuse, N. Y., on May 8, aged eighty-four years.

WILLIAM STANLEY, known for his work in electrical engineering, died at Great Barrington, on May 14, in his forty-ninth year.

DR. S. M. BRICKNER, known as a gynecologist and for his work in anatomy, physician at the Sloane Maternity Hospital and at the Mt. Sinai Hospital, until his retirement to Saranac Lake three years ago, died on May 5, at the age of forty-eight years.

DR. EDWARD LEAMING, formerly instructor in photomicrography in Columbia University, known for his contributions to this subject and the X-rays, died on May 11, aged fifty-four years.

MAJOR W. L. HAWKSLEY, health officer at Liverpool and known for his work on tuberculosis, has been killed while on active service in France.

THE death is announced of Professor O. Maass, of the University of Munich, known for his experimental work on sponges.

DR. RICHARD BRAUNGART, professor of agriculture in the Bavarian Academy of Agriculture, has died at the age of seventy-seven years.

MRS. FRANCES THOME, widow of the late director of the Argentine National Observatory at Cordoba, died recently in Buenos Aires. During over twenty years' residence at the observatory she took part in recording for the *Durchmusterung*, observing, and in various details of copying and preparation for the press of this work, and of the meridian results.

THE London *Daily Chronicle* for April 24 as quoted in *Nature* gives the substance of a letter sent to Professor Lorentz, of Haarlem, by Dr. Max Planck, professor of mathematical physics in the University of Berlin, and permanent secretary of the Royal Prussian Academy of Sciences. In this letter Professor Planck recalls the letter addressed to the civilized world in August, 1914, by ninety-three German scholars and artists, in which they defended the conduct of their own government, and denounced in extravagant language

the action of the allies. Professor Planck himself was one of the signatories. He is now said to admit that the form in which this letter was written led to regrettable misunderstandings of the real sentiments of the signatories. In his opinion, and it is an opinion shared, he says, by his colleagues Harnack, Nernst, Waldeyer and Wilamowitz-Möllendorff, that letter of appeal was written and signed in the patriotic exuberance of the first weeks of the war. It must not be taken for granted, says Professor Planck, that at the present time anything like a scientific judgment can be formed with regard to the great questions of the historical present. "But what I wish to impress on you," he writes to Dr. Lorentz, "is that notwithstanding the awful events around us, I have come to the firm conviction that there are moral and intellectual regions which lie beyond this war of nations, and that honorable cooperation, the cultivation of international values, and personal respect for the citizens of an enemy state are perfectly compatible with glowing love and intense work for one's own country."

UNIVERSITY AND EDUCATIONAL NEWS

By the will of Charles W. Harkness, who died on May 1, Yale University will receive \$500,000. There are also bequests to the Presbyterian Hospital of \$100,000 for endowment purposes, and \$250,000 to be added to the Harkness Fund for scientific and educational work.

A REQUEST of \$150,000 has been made to the Johns Hopkins University by Miss Jessie Gillender for the purpose of instituting organized research into the problem of epilepsy.

THE Long Island College Hospital, Brooklyn, announces that after January 1, 1918, the completion of two years of study in a college of liberal arts or science will be required for admission to the four-year medical course leading to the degree of M.D. At present the requirement is one year only of college work. Beginning in the fall of 1916 Columbia University, New York, will conduct a pre-medical

college year at the Long Island College Hospital.

MR. ARTHUR DU CROS, M.P. for Hastings, has promised a gift of £7,000 to the extension fund of the London School of Medicine for Women, thus completing the £30,000 for which appeal was made.

CLYDE BROOKS, A.B., Ph.D., M.D., has resigned his post at the University of Pittsburgh Medical School and has accepted the position of professor and head of the department of physiology, pharmacology and physiological chemistry in the school of medicine of the University of Ohio, at Columbus, Ohio. This marks the beginning of a plan to be carried out by the newly elected dean, Dr. E. F. McCampbell, in reorganizing and developing the medical school at Columbus. The plan includes the erection of a new university hospital and a new medical building on the university campus.

AT Harvard University the following appointments to the staff of the medical school have been made: Ernest E. Tyzzer, to the George Fabyan professorship of comparative pathology; Charles J. White, to the Edward Wigglesworth professorship of dermatology, and Arthur D. Hill, to a professorship of law. Percy G. Stiles has been promoted to be assistant professor of physiology, and Dr. James H. Wright, assistant professor of pathology.

AMONG the new appointments at the University of Chicago is that of George Van Biesbroeck, adjunct astronomer of the Royal Observatory of Belgium, as professor of practical astronomy at Yerkes Observatory. Promotions include the following: To a professorship: Henry Gordon Gale, of the department of physics. To associate professorships: Harvey Carr, of the department of psychology, and Preston Kyes, of the department of anatomy. To assistant professorships: Joseph W. Hayes, of the department of psychology, and Wellington D. Jones, of the department of geography.

IN the department of zoology of Columbia University, Dr. William K. Gregory, now associate, has been promoted to be assistant pro-