

Alumni, Dr. H. P. Cady for the Department of Chemistry, Professor Sidney Calvert for the University of Missouri, and Harold Greider, representing Director E. R. Weidlein, for the Mellon Institute. Professor Bailey spoke in response to the presentation of an appropriately engraved silver vase, which was made to him in the name of his colleagues and former students.

G. W. S.

SCIENTIFIC NOTES AND NEWS

THE local committee for the meeting of the National Academy of Sciences, to be held at Cornell University from November 12 to 14, consists of Professors Edward L. Nichols, *chairman*; Ernest Merritt, L. H. Bailey and W. D. Bancroft. A business session of the academy will be held on Monday morning, November 12. An open meeting immediately afterwards will begin with a brief address of welcome by President Farrand. The afternoon has been left open for informal gatherings of the members, inspection of buildings, sightseeing or other recreation. It is proposed to arrange a public lecture for the evening. Meetings for the presentation of papers will be held in the morning and the afternoon of Tuesday. President and Mrs. Farrand will receive the visiting members and their friends at the president's house from 4:30 till 6 P. M. A dinner will be held in the evening. A morning session is planned for the presentation of papers on Wednesday.

ON the occasion of the dedication of the Jesse Laboratory of Chemistry at Brown University on October 10, the degree of doctor of science was conferred on Professor James W. McBain, of the University of Bristol, who made the principal address. The degree of doctor of laws was conferred on President James R. Angell, of Yale University. Secretary of State Charles E. Hughes made the chief address at the dinner.

A MEMORIAL service for the late Dr. Henry Marion Howe, the distinguished metallurgist, for many years professor at Columbia University, will be held at the Cathedral of St. John the Divine at 5 P. M. on October 25. Among the speakers will be Professor M. I. Pupin, of Columbia University.

IN addition to giving the Silliman lectures at Yale University, Dr. Niels Bohr, professor of physics in the University of Copenhagen, is giving the Simpson lectures at Amherst College.

G. F. LOUGHLIN has been made acting chief of the section of metalliferous deposits, division of geology, in the U. S. Geological Survey.

WILLIAM B. HILL has been elected president of the board of trustees of the Hoagland Laboratory of

Brooklyn, said to be "the first laboratory in this country to have been built and privately endowed for bacteriological research and the advancement of medical science."

COLONEL CHARLES KELLER, of the Corps of Engineers, has been retired from active duty in the army after more than thirty-seven years of service. He is now engaged in the solution of engineering problems in connection with waterpower development on the Pit River in California.

PROFESSOR EUGENE E. HASKELL, formerly dean of the College of Civil Engineering of Cornell University, who has more recently been emeritus professor of experimental hydraulics, left Ithaca on August 20, with Mrs. Haskell, for Hamburg, New York, where they will make their home. Dean Haskell has retired from active engineering duties, but will occupy himself in a consulting capacity in his profession with Buffalo associates.

WILLIAM B. PLUMMER, formerly research chemist for the Grasselli Chemical Company, is now associated in the same capacity with the Combustion Utilities Corporation, Long Island City, N. Y.

RICHARD FISHER, formerly of the chemistry department of the University of Illinois, has accepted a position as research chemist with the same company.

DR. L. EMMETT HOLT has been assigned as visiting professor of pediatrics to the Peking (China) Union Medical College, by the Rockefeller Foundation. Dr. Holt, who is on his way to the Orient, will conduct a three months' series of lectures. He will also make a survey of child health methods as practiced in various countries and plans to return to New York next summer.

DR. LEE DE FOREST returned from Europe on October 1, on board the French liner *Paris*. Dr. de Forest brought with him a device known as the oscillating audion which he said would greatly facilitate broadcasting.

PROFESSOR R. C. GIBBS, professor of physics at Cornell University, will spend the coming year on sabbatic leave as an associate in the research department at the California Institute of Technology at Pasadena.

AT the recent centenary of the Royal Asiatic Society held in London, Professor James H. Breasted represented the University of Chicago and Professor Albert T. Clay of Yale University.

DEAN R. L. SACKETT, of the school of engineering at the Pennsylvania State College, is visiting technical colleges and universities in Europe.

MR. F. W. TAYLOR is engaged in the work of starting several agricultural experiment stations for the government of Salvador, Central America. He may be addressed in care of the American Legation at San Salvador.

DR. WALTER R. BLOOR, of the School of Medicine and Dentistry of the University of Rochester, will deliver the second Harvey Society Lecture at the New York Academy of Medicine, on Saturday evening, November 3. His subject will be "The utilization of fat in the animal body."

DR. CALATAYUD COSTA, professor of electrology and radiology of the University of Madrid, has been invited to lecture at the Battle Creek Sanitarium and at certain universities in this country.

THE death is announced of Professor Tomasso Salvadori, of Turin, known for his work in ornithology.

MR. JOHN D. ROCKEFELLER, Jr., has given \$500,000 toward the endowment fund of \$2,000,000 of the New York Zoological Society and will contribute \$500,000 more as soon as the society raises another million. Mr. Edward S. Harkness has subscribed \$100,000 and the estate of Mrs. Frederic Ferris Thompson \$50,000. For some time the society has been carrying educational, philanthropic and civic burdens far beyond its financial resources. Mr. Rockefeller's gift is without restrictions and its income becomes immediately available.

F. J. WILLSON, a member of the board of commissioners of Cook County, and chairman of the county committee on a zoological park for Chicago, reports that as approved by the legislature, the county is prepared to submit to the voters in November a proposed tax of \$500,000 a year for five years and \$250,000 a year annually thereafter. The larger sum is to equip the Zoological Park, the smaller to maintain it after it is established. Land for the proposed park at Riverside in the Cook County Forest Preserves, where the animals will be exhibited on a plan which will allow them to roam free, instead of confined in cages, was a gift to the county board for the purpose. Recently the board signed a twenty-five year contract which turns over the management to the Chicago Zoological Society.

THE Society of Chemical Industry will meet in Paris from October 20 to 25. It will be particularly devoted to the agricultural applications of chemistry.

THE sixtieth anniversary of the founding of the Entomological Society of Ontario will be celebrated by a series of meetings to be held in Ottawa on November 1, 2 and 3.

WE learn from *Nature* that the International Commission of Eugenics met at Lund in Sweden on Sep-

tember 1 and 3 under the chairmanship of Major Leonard Darwin. Various resolutions were passed, and the question where the next international congress should be held was discussed. Professors Nilsson-Ehle and Johansson were appointed members of the commission. The commission was entertained at dinner by the Mendelian Society and visited the Swedish Institute of Genetics at Akarp, near Lund, and the Swedish State Institute for Race Biological Investigation. These are the only institutions in the world for genetics or eugenics which are state-endowed.

THE sixth annual joint convention of the American Sections of the Science Society of China and the Chinese Engineering Society was held at Brown University, Providence, R. I., from September 7 to 15, inclusive. Seventeen papers were presented at the forum meeting and the technical sessions. Most of these papers will be published in "Science" (Chinese), the official organ of the Science Society of China. Among the papers were "Some Theories in Combinatory Analysis," by C. J. Chin, of the University of Chicago; "The Effect of Hydrostatic Pressure on the Magnetic Permeability of Iron, Cobalt and Nickel," by C. S. Yeh, of Harvard University; "Production of Non-Corrosive Alloys," by E. C. Y. Cheng, of Columbia University. These papers will probably appear in *American Journal of Mathematics*, *Physical Review* and the *Journal of American Electro-chemical Society*, respectively. The speakers of the convention included Mr. J. R. Freeman, ex-president of the American Society of Mechanical Engineers and the American Society of Chemical Engineers; Professor Harold B. Smith, director of Electrical Engineering Department of Worcester Polytechnic Institute, and Dr. J. A. L. Waddell, consulting engineer.

THE next meeting of the American Electrochemical Society will take place April 24, 25 and 26, 1924, in Philadelphia, with headquarters at the Bellevue-Stratford. The principal attractions of the technical program will be the two Symposia, as follows: "Recent progress in electrodeposition," S. Skowronski, research chemist, Raritan Copper Works, Perth Amboy, N. J., *chairman*, and "Organic electrochemistry," C. J. Thatcher, chemical engineer and electrochemist, New York City, *chairman*.

A PARTY of British medical students has recently completed a Continental tour under the auspices of the National Union of Students of Great Britain, a body affiliated to the International Confederation of Students. The party comprised members of the Universities of Oxford, London, Manchester, Liverpool, Leeds, Edinburgh and Glasgow; and the medical centers visited included Paris, Brussels, Vienna, Prague, Berlin, Munich, Leyden and Zürich.

APPOINTMENT of an unpaid commission to supervise the organization of medical research workers was recommended by M. Douglas Flattery, of Boston, chairman of the special committee on medical research, during a conference with President Coolidge on October 9. Mr. Flattery also recommended the enactment of legislation for a national study of preventive medicine. This is in line with a recommendation made to President Harding about two years ago, which was discussed and approved by the cabinet. At that time President Harding referred the matter to Brigadier General Sawyer, his personal physician, to make such other recommendations as might seem suitable to him. The plan included the organization of all scientific workers in such colleges and laboratories as have laboratory equipment together with chemists, physicists, biologists, bacteriologists, physiologists and other scientific men working in related fields.

UNIVERSITY AND EDUCATIONAL NOTES

SUIT was filed in the circuit court on October 1, asking approval of the plans to raze the old Rush Medical College buildings at Harrison and Wood Streets, and to erect a \$400,000 building to be known as the Rawson Clinical Laboratories, for which Frederick H. Rawson donated the sum of \$300,000. The University of Chicago, according to the plan, will take over the property and build the new laboratory. A contract between the college and the university has been tentatively adopted, pending the approval of the court. A program which provides for the expenditure of \$5,300,000, gifts to the university for the advancement of medical education, is to be carried out, the bill states, and includes the building of a hospital of 200 beds on the university campus.

THE president of Cuba has issued an order establishing a university governing assembly. It is to consist of thirty professors, thirty alumni and thirty students, and this body will have charge of the management of the university.

DR. WILLIAM M. MARRIOTT, chief of the department of diseases of children, Washington University Medical School, St. Louis, has been appointed dean of the school to succeed Dr. Nathaniel Allison, who becomes professor of orthopedic surgery at Harvard University Medical School, Boston.

PROFESSOR C. W. PARMELEE has been made head of the department of Ceramic Engineering at the University of Illinois, where he has been professor since 1916.

PROFESSOR J. W. MCCOLLOCH, of the Kansas State

College, has been named acting head of the entomology department at the college during the absence of Professor G. A. Dean, who has a year's leave of absence.

DR. ALFRED S. ROMER has been appointed associate professor of vertebrate paleontology in the University of Chicago. Dr. Romer has been working in the American Museum of Natural History and the department of anatomy of New York University.

EDWIN B. POWERS, associate professor of anatomy at the College of Medicine of the University of Tennessee, at Memphis, is on leave for the year to take charge of the department of zoology of the University of Tennessee at Knoxville.

DR. CHARLES F. MARTIN has been appointed dean of McGill University faculty of medicine to succeed Dr. George E. Armstrong.

DR. GEORGE D. PORTER has been appointed head physical director at the University of Toronto to succeed Dr. James W. Barton, who resigned last spring.

DISCUSSION AND CORRESPONDENCE

THE SIGNIFICANCE OF THE "FOLIAR RAY"

IN a recently published article entitled "The significance of the 'Foliar Ray' in the evolution of Herbaceous Angiosperms" it becomes evident that the authors now have their facts in hand. May we ask that they will credit us with the same elementary common sense. The difference of opinion seems to have resolved itself mostly into a question of terminology. In the original article by Messrs. Sinnott and Bailey which appeared in 1914 there was a fundamental misconception. The bands of "interfascicular parenchyma" found in herbaceous stems are decidedly not the homologues of the radial bands which subtend the leaf traces. The attribution of such an idea to "Jeffrey and his school" was a mistake and the demolition of this man of straw has wasted much valuable journal space.

The writer believes that our critics still fail to realize the importance of nodal modifications around incoming leaf traces where storage is initiated. That the thinning of the stem and consequent obliteration of the radial storage ray led to the vertical extension of the flanking portions is still our own belief. Incoming food must be stored somewhere, and if the old storage region is being obliterated through a reduction in the foliar parenchyma outside the trace what is more logical than to suppose that the flanking tissue played up to fit the new situation.

Conversion of tracheidal tissue into parenchyma on