

(4) That all scientific publications print the date of publication on a numbered page either at the beginning or the end of the scientific matter so that the binding in of the cover and advertisements will not be necessary.

NEW GIFTS TO EDUCATION

FORTY-SIX million dollars have been given to the creation of a trust fund by James B. Duke to be used for educational, charitable and religious purposes, chiefly in the states of North and South Carolina.

Announcement of the fund, to be administered by fifteen trustees as a self-perpetuating body, was made by Mr. Duke, who in specifying the institutions and purposes for which the fund will be used, said the securities set aside for it include about three fourths of his holdings in the Southern Power System.

The fund contains an alternative provision by which Trinity College at Durham, N. C., may have \$6,000,000 of the total to be used in its expansion if it elects to change its name to Duke University. Otherwise, the trustees are directed to spend not more than that amount in establishing a Duke University in North Carolina.

Providing for retention of twenty per cent. of the annual income on the remaining \$40,000,000 to be added to the principal until it amounts to \$80,000,000 the plan specifies the division to be made of the remaining income, with 32 per cent. to go to Duke University for "all purposes" and an equal percentage to the building and maintenance of hospitals, chiefly in North and South Carolina. Smaller percentages are allotted to charitable work among whites and negroes in the two states, to the Methodist Episcopal Church in North Carolina and to other educational institutions in the two states.

Bringing his total known benefactions to \$58,602,900, George Eastman, head of the Eastman Kodak Company, has announced new gifts of \$12,500,000 to institutions of higher education, after recently announcing a gift of \$2,500,000 in the greater University of Rochester campaign. Those to benefit under the latest gifts of Mr. Eastman are: Massachusetts Institute of Technology, \$4,500,000, which is added to a previous gift of \$11,000,000; University of Rochester, \$6,000,000; Hampton Institute, \$1,000,000, and Tuskegee Institute, \$1,000,000.

Of Mr. Eastman's total of \$58,602,900, the sum of \$23,578,500 has been given to the University of Rochester, making this institution the largest single recipient of his gifts.

Gifts just made and not announced before are under terms similar to those made to employees. Stock is sold to benefiting institutions for \$12,500,000 less than its actual value. While provision is made that it may be paid for in installments during the life of Mr. Eastman, it is given without any restriction re-

garding the time for sale. It may be sold at once if the beneficiaries desire to part with it.

PLANS FOR THE NEW YORK BOTANICAL GARDEN

EXPENDITURE of approximately \$7,000,000 to make the New York Botanical Garden a model for the world is contemplated by the Board of Managers, whose plans have been announced by the president of the board, Dr. Frederic S. Lee, 437 West Fifty-ninth Street, research professor of physiology at Columbia University. The announcement explains that "endowment, equipment, maintenance and research are among the purposes to be advanced," and then says:

The realization of the requirements for adequate maintenance, needed improvements and desired advance would place the New York Botanical Garden in a position of leadership in this country, if not in other countries, in matters that deal with plants in their various scientific, esthetic and economic relations to man.

The garden would then stand conspicuous among the best of the public institutions of the city. To enable it to assume this rightful position its funds must be largely increased, and chiefly by private beneficence.

The actual amount of money required would be approximately \$7,000,000, in the form partly of moneys to be directly expended, and partly of increased endowment. The more urgent needs demand the sum of \$4,000,000, of which \$800,000 should be expended for material improvements and equipment and the remainder be added to the endowment.

The Board of Managers is making an effort to obtain this needed \$4,000,000, and confidently looks to the people of New York to contribute it.

PROGRAM ON THE HISTORY OF SCIENCE AT WASHINGTON

THERE will be a joint meeting of Section L, of the American Association for the Advancement of Science, and the History of Science Society at Washington on December 31 and January 1, at which the following program will be presented:

WEDNESDAY, DECEMBER 31, 1924, AT 2 P. M.
Room 24, Corcoran Hall, George Washington University

DR. L. J. HENDERSON,
of Harvard University, presiding

Development of the present day conception of palaeontological history: DR. JOHN C. MERRIAM, president of the Carnegie Institution of Washington.

Arabic science in Christian Europe: DR. CHARLES H. HASKINS, professor of history, Harvard University.

Study of medieval science: DR. GEORGE SARTON, research associate, Carnegie Institution of Washington and lecturer of the History of Science, Harvard University.

The life and work of Dr. William A. Locy (the first chairman and vice-president of Section L [History of

Science], A. A. A. S.): DR. C. E. THARALDSEN, professor of zoology, Northwestern University.

Council meeting of the History of Science Society, Cosmos Club, 7 o'clock P. M.

THURSDAY, JANUARY 1, 1925, AT 2 P. M.

Room 24, Corcoran Hall, George Washington University

DR. L. C. KARPINSKI,

of the University of Michigan, presiding

Leibnitz, the master builder of mathematical notations: DR. FLORIAN CAJORI, professor of history of mathematics, University of California.

Benjamin Peirce: DR. R. C. ARCHIBALD, professor of mathematics, Brown University.

The natural sciences in the University of Paris during the Middle Ages: DR. L. J. PAETOW, professor of history, University of California.

The study of western science of the fourteenth and fifteenth centuries: DR. LYNN THORNDIKE, professor of history, Columbia University.

FREDERICK E. BRASCH,

Secretary of Section L (History of Science),
A. A. A. S., Assistant Secretary of the History
of Science Society

SCIENTIFIC NOTES AND NEWS

DR. DAVID STARR JORDAN, chancellor emeritus of Leland Stanford University, has been awarded the prize of \$25,000 offered by Raphael Herman, of Washington, for the best educational plan calculated to maintain world peace.

At a meeting of the Royal Society, London, on December 1, it was announced that a third research professorship has been provided from the munificent gift from their fellow, Sir Alfred Yarrow. To this professorship, Professor O. W. Richardson, noted for his work in relation to the emission of electrons from hot bodies, has been appointed.

At a meeting of the Royal Society, London, on December 1, the following officers and members of council were elected: *President*, Sir Charles Sherrington; *treasurer*, Sir David Prain; *secretaries*, Mr. W. B. Hardy and Mr. J. H. Jeans; *foreign secretary*, Sir Richard Glazebrook; *other members of the council*, Sir Frederick Andrewes, Professor J. H. Ashworth, Dr. F. W. Aston, Sir William Bragg, Professor S. Chapman, Sir Dugald Clerk, Dr. H. H. Dale, Professor F. G. Donnan, Professor A. S. Eddington, Professor E. S. Goodrich, Sir Thomas Holland, Professor J. B. Leathes, Professor T. R. Merton, Dr. G. C. Simpson, Professor J. F. Thorpe and Professor F. E. Weiss.

EMILE PICARD, professor of mathematics at the University of Paris and secretary of the Academy of Sci-

ences, has been elected to membership in the French Academy in the place of Charles de Freycinet.

DR. ROKSABRO KUDO, of the department of zoology of the University of Illinois, had conferred upon him the degree of *Rigaku-hakushi* (D.Sc.) by the department of education of the Nihonese government, through the Tokio Imperial University, in recognition of his work in protozoology.

At the meeting of the French Academy of Medicine on November 4, Professor Vallée, director of the research laboratories of the University of Agriculture, was elected a member.

At a recent convocation at Whitman College, the members of the Alumni Association who had taken their major work in biology arranged a special program in recognition of the twenty-five years of service to the college of Professor H. S. Brode. The recognition included the presentation of a gift as well as words of appreciation.

On the occasion of the completion on October 1 of twenty-five years of service to Teachers College, Columbia University, of Dr. Maurice A. Bigelow, professor of biology at Teachers College and director of the School of Practical Arts, a group of his colleagues met at his office, and Dr. Benjamin R. Andrews, associate professor of household economics, spoke in appreciation of Dr. Bigelow's work for the college.

DR. CHARLES P. EMERSON, dean of the Indiana University School of Medicine, Indianapolis, has been elected president of the National Committee for Mental Hygiene, to succeed Dr. William H. Welch, director of the School of Hygiene, of the Johns Hopkins University.

VACANCIES on the board of trustees of the Carnegie Institution, caused by the resignation of Cleveland H. Dodge and the deaths of William L. Hutchinson, Senator Henry Cabot Lodge and Robert S. Woodward, were filled by the elections of Secretary Mellon, Speaker Gillett, of the House, William Benson Storey, of Chicago, and Cass Gilbert, of New York City. The resignations of Charles P. Fenner and Henry P. Walcott were received and these vacancies will be filled next year.

DIRECTOR PAUL M. LINCOLN, of the School of Electrical Engineering, of Cornell University, was called to Philadelphia on November 25 to attend the first meeting of the program committee for the International Engineering Congress, to be held in that city in 1926.

At the annual meeting of the New York Academy of Medicine officers were elected for the coming year as follows: *President*, Dr. Samuel A. Brown; *Vice-*