

in the years 1875 and 1876, as having inaugurated the renaissance of the study of the structure and functions of plants which had been so brilliantly carried on by British botanists in earlier times. It must, we feel sure, afford you great and justifiable satisfaction to contemplate the marvelous development of such studies in this country during the years that have passed since you quickened them into new life.

The professorial career on which you had embarked so brilliantly was unfortunately, as it may have seemed at the time, brought to a close by your appointment to the assistant directorship of Kew in 1875 and your subsequent appointment as director ten years later. The work that you were enabled to carry out at Kew has been of such national importance that, however much we may regret the loss of the stimulating influence you would undoubtedly have exerted as a professor, we all realize the great and lasting services you have rendered to botany, not only from the purely scientific point of view, but also in relation to the development and encouragement of botanical enterprise throughout the British Empire.

Another notable result of the interest you inspired was the successful launching of the *Annals of Botany*, which has come to be one of the leading botanical periodicals of the world. We do not forget that it was your enthusiasm that turned the scale when the question of "to be or not to be" hung in the balance. The *Annals* is a lasting monument to your courage and prescience.

It would need a lengthy document were we to attempt to set out in detail the value of your many efforts for the promotion of our science, but in conclusion we feel we must refer to the noble work you did in saving the old Chelsea Physic Garden from destruction. Thanks to you, London has now a botanic garden where students and teachers can study the structure and functions of plants and pursue those studies which you did so much to promote.

With our very kind regards and good wishes,

Believe us to be, dear Sir William,

Yours very truly,

D. H. SCOTT	F. KEEBLE
S. H. VINES	A. B. RENDLE
F. O. BOWER	A. SHIPLEY
BALFOUR	H. WAGER
H. T. BROWN	F. F. BLACKMAN
D. PRAIN	V. H. BLACKMAN
F. DARWIN	F. W. OLIVER
H. H. DIXON	A. G. TANSLEY
A. C. SEWARD	F. E. WEISS
J. B. FARMER	A. W. HILL

and all the leading botanists in Great Britain and Ireland.

Hopkins University; William Maddock Bayliss and Ernest Henry Starling, of the University College of London; John Newport Langley, of the University of Cambridge; Edward L. Ehlers, of the University of Copenhagen; Jules J. B. Bordet, of the University of Brussels; Edoardo Perroncito, of the University of Turin, and Santiago Ramon y Cajal, of the University of Madrid.

At the general public meeting of the American Chemical Society on Tuesday, September 11, addresses of welcome will be delivered by C. H. Hall, chairman of the Milwaukee Section; Hon. Daniel Hoan, mayor of Milwaukee; Hon. Emanuel Philipp, president of the Milwaukee Association of Commerce, and President Fox, of Milwaukee University. The general addresses at this meeting will be delivered by Dr. Charles F. Burgess, who will speak on "Marketing chemical discoveries," and Dean R. T. Kendall, of the Medical School, Northwestern University, who will speak on "Bacteria and the chemist."

The following awards have been made by the Royal College of Physicians, London: The Baly gold medal, given every alternate year for distinction in the science of physiology, to Mr. J. Barcroft; the Bisset-Hawkins medal, bestowed triennially for work in advancing sanitary science or in promoting public health, to Dr. T. M. Legge.

At the International Surgical Congress recently held in London, Dr. Davide Giordano, Venice, Italy, was elected president to succeed Sir William Macewen. The predecessors in the presidency of these congresses were: Kocher, of Berne; Czerny, of Heidelberg; Championnière, of Paris; Depage, of Brussels, and Keen, of Philadelphia. The next congress will be held in Rome.

We learn from the *Journal* of the American Medical Association that more than twenty physicians of Ontario were candidates at the recent elections to the Canadian Parliament. The following physicians were the successful candidates: Joseph D. Monteith, Stratford; the Hon. David Jamieson, Durham; Arthur G. Wallis, Algoma; Leeming Carr, East Hamilton; George V. Harcourt, Parry Sound; Forbes E. Godfrey, West York, and John P. Vrooman, Lennox.

The National Alliance for the Increase of the French Population has awarded the first prize of 50,000 fr. to M. Paul Haury for the best popular pamphlet on the decreasing birth rate in France and the tragic consequences to the nation.

SIR RICHARD GLAZEBROOK has been appointed chairman in charge of exhibits in pure science at the British Empire Exhibition to be held next year in London.

## SCIENTIFIC NOTES AND NEWS

THE University of Strasbourg has conferred the title of doctor *honoris causa* on Drs. Simon Flexner and Jacques Loeb, of the Rockefeller Institute for Medical Research; William H. Welch, of the Johns

PROFESSOR A. SMITHELLS has been appointed director of the Salters' Institute of Industrial Chemistry, London.

CLARKE E. DAVIS, chief chemist of the National Biscuit Company, and vice-chairman of the New York Section of the American Chemical Society, will succeed Dr. C. A. Browne as chairman of the section when the latter assumes his new duties as chief of the Bureau of Chemistry of the Department of Agriculture.

DR. WALTER G. CAMPBELL, who has been acting chief of the Bureau of Chemistry, has been appointed director of regulatory work of the Department of Agriculture.

R. L. CORBY, director of the research laboratories of the Fleischmann Yeast Company, will open the symposium on "Bread Production," September 11, at the twenty-sixth annual convention of the American Bakers' Association, which will be held at French Lick, Ind., the week of September 9.

WILLIAM HARPER DEAN, formerly of the U. S. Department of Agriculture, has been appointed manager of a Bureau of Agriculture recently established by the Chamber of Commerce of the United States.

DR. ELLIOTT S. ROBINSON has been appointed as assistant director of the Division of Biologic Laboratories of the Massachusetts State Department of Public Health to succeed Dr. Robert N. Nye.

DR. FRANK L. KELLEY, lecturer in preventive medicine and hygiene, and director of the state hygiene laboratory at the University of California, has been appointed health officer of Berkeley to succeed Dr. Ernest H. Pape.

ON August 10, a complimentary dinner was given in San Francisco by the California Academy of Sciences and biologists of the San Francisco Bay region to Dr. and Mrs. Robert P. Bigelow, of the Massachusetts Institute of Technology. Resident naturalists of the Bay region to the number of twenty were in attendance.

DR. H. A. GLEASON, assistant director of the New York Botanical Garden, is spending two months at the Biological Station of the University of Michigan, Douglas Lake, Michigan, continuing researches on the application of statistical methods to the study of plant association.

DR. A. B. STOUT, director of the laboratories of the New York Botanical Garden, has returned to the garden after nine months at Pomona College, Claremont, California, where he was occupied with a study of fertility, sterility and pollination in the date palm, the avocado and the citrus fruits.

PROFESSOR HERMANN THOMS, dean of the Pharmaceutical Institute of the University of Berlin, has been visiting the United States on his way to lecture in Japan.

J. H. CROSSLEY, of the Metropolitan-Vickers Electrical Company, Manchester, England, was lately in the United States studying industrial electric heating developments for the purpose of promoting the application of electricity in England.

DR. GEORGE BIRD GRINNELL, in company with Christopher G. La Farge, New York architect; Col. Henry Hall, a Washington writer, and Barrington Moore, secretary of the National Parks Committee, began on August 21 a survey of the country west of the Big Horn Mountains as a possible national park site.

THE Department of Commerce has announced the personnel of the Caribbean rubber investigating party which sailed from the United States for Panama on July 25 to investigate the rubber plantation possibilities of Panama, Colombia, Venezuela, the Central American countries and Mexico. John C. Treadwell, of the Continental Rubber Company of New York, will be in charge of the party. Hugh H. Bennett, of the Bureau of Soils, Department of Agriculture, will accompany Mr. Treadwell as assistant.

DR. C. U. ARIENS KAPPERS, Amsterdam, director of the Netherlands central institute for research on the brain, has been appointed by the Rockefeller Foundation to give a course of lectures on the anatomy of the brain at the Peking Medical School, and will leave for China in August.

ON the topmost ledge of the rocks on Slide Mountain, the highest peak in the Catskills, the Winnisook Club, of Poughkeepsie, N. Y., on August 18 dedicated a tablet to the memory of the late John Burroughs. The tablet is affixed to the ledge under which Mr. Burroughs passed the night several times as he relates in "The Heart of the Southern Catskills."

AN international subscription has been opened to secure funds for the erection of a monument at Roscoff in memory of Dr. Yves Delage, under the auspices of M. Léon Bérard, minister of public instruction; M. Paul Appell, rector of the University of Paris; M. Picard and M. Lacroix, secretaries of the Academy of Sciences, and other men of science. Delage was a professor at the Sorbonne, and director of the biological station at Roscoff.

FETES in honor of Fabre, the famous French entomologist, began on August 6 at Millau (Aveyron). A monument, the work of the sculptor Malet, representing Fabre, a magnifying glass in his hand, examining

an insect, was unveiled. It was actually at St. Léons that Fabre was born, but St. Léons is a little village of a few hundred inhabitants, and it was thought desirable to erect the statue in the neighboring town of Millau. Fabre is chiefly associated with Sérignan, near Orange, for it was here in his garden that he pursued his entomological studies.

ACCORDING to the *Journal* of the American Medical Association the Paris branch of the Franco-Mexican Association has presented to the Pasteur Institute a replica of the medallion likeness of Pasteur that was hung on the walls of the department of medicine of the University of Mexico on the occasion of the centennial celebration. The bestowal of this work of art took place in the crypt of the institute, at the entrance to the tomb of Pasteur, the presentation speech being given by M. Honnorat, former minister and honorary president of the French section of the Franco-Mexican Association. Dr. Roux, director of the Pasteur Institute, expressed his thanks to the association for the gift and the honor accorded to the memory of Pasteur.

THE German societies for physics, the applied physical sciences and Roentgen rays held recently a joint meeting at Berlin in the large hall of the university in memory of Roentgen. The president of the republic and scientific men from all over the country spoke on the importance of Roentgen's discovery to different branches of science.

A COMMEMORATIVE tablet has been placed by the London County Council on the former residence of James Clerk Maxwell, physicist (1831-1879).

THE Hancock Life Insurance Company, Boston, has given \$20,000 to the Harvard Cancer Commission, of which sum a fourth is to purchase diagnostic apparatus; the remainder is for the permanent fund. The insurance company previously gave \$30,000 toward the building of the Huntington Hospital, which is devoted to cancer cases.

### UNIVERSITY AND EDUCATIONAL NOTES

THE legislature has made special appropriations to the Michigan College and Station for the ensuing biennium of \$1,070,000. This is in addition to the receipts from the mill tax, which aggregate about \$1,000,000 and are used entirely for operating expenses. The principal items in the special appropriation are \$400,000 for a horticultural building and greenhouse, \$300,000 for extension work, \$150,000 for a power house, \$50,000 for a college hospital, \$70,000 for research, and \$100,000 for miscellaneous buildings.

PROFESSOR A. H. PATTERSON, head of the depart-

ment of physics and dean of the School of Applied Science in the University of North Carolina, will spend the year 1923-24 in study at Harvard University, on leave of absence. His place will be filled during his absence by Dr. Paul H. Dike, who has been in charge of physics at Robert College, Constantinople, for some years past, though Dr. Otto Stuhlman, Jr., will serve as head of the department, while the duties of the deanship will be assumed by Dr. J. M. Bell, of the department of chemistry.

AT the University of Missouri, Eli Stuart Haynes, of Beloit College, has been elected professor of astronomy; Dr W. B. Robertson, of the University of Kansas, assistant professor of zoology, and Dr. H. C. Howard, Jr., assistant professor of analytical chemistry.

DR. A. RICHARD BLISS, Jr., professor of pharmacology in the Emory University School of Medicine, Atlanta, has resigned to accept the professorship of physiology and pharmacology at the University of Tennessee. Dr. Monroe F. Brown, assistant professor in the department, also goes to Tennessee.

MR. J. BASIL BUXTON, now on the staff of the Medical Research Council, London, has been elected into the newly established professorship of animal pathology in the University of Cambridge.

M. Goss has been elected to a newly established chair of mathematics at the University of Grenoble.

### DISCUSSION AND CORRESPONDENCE THE MARINE LABORATORY AT TORTUGAS

DURING the past year a number of papers appeared in *SCIENCE* and elsewhere<sup>1</sup> which discussed the desirability of continuing the Department of Marine Biology of the Carnegie Institution of Washington and its most important single activity, the laboratory at Tortugas. Since the officers of the Carnegie Institution have not yet announced what their policy toward the Department of Marine Biology is to be, it may be presumed that the question of continuing this department is still under consideration. This department, having been created in the interest of biologists working on tropical organisms, will probably be continued only if it is evident that a sufficient number of biologists are still actively interested in this kind of work.

<sup>1</sup> Davenport, *SCIENCE*, Vol. 56, p. 134.

Schaeffer, *SCIENCE*, Vol. 56, p. 468.

Crozier, *SCIENCE*, Vol. 56, p. 751.

Crozier, *SCIENCE*, Vol. 57, p. 498.

Fisher, *SCIENCE*, Vol. 57, p. 233.

Allen, *SCIENCE*, Vol. 57, p. 499.

Coe, *Amer. Jour. Sci.*, Ser. V, Vol. 4, p. 173.

Potts, *Nature*, Vol. 110, p. 224.