

ciate professor of physical chemistry at Stanford University, on leave of absence to conduct research in England and at Harvard University on the properties of free atoms and radicals produced during chemical and photochemical reactions.

Earl Albert Long, Ph.D., Ohio State University, instructor in chemistry at the University of California, to conduct research at the University of California on the properties of radioactive sodium and radioactive phosphorus.

Two additional candidates were recommended for awards, namely, Dr. Eric G. Ball, associate professor of physiological chemistry at the Johns Hopkins University, and Dr. Nelson R. Trenner, instructor in chemistry at Princeton University. Dr. Ball was simultaneously appointed to a fellowship from the John Simon Guggenheim Foundation, which he has accepted. Dr. Trenner has withdrawn in order to accept a permanent research appointment.

The announcement of the awards was made by Dr. C. Lalor Burdick, secretary of the foundation. The other officers are: Dr. Charles Lee Reese, *president*; Mrs. Anna Lalor Burdick, *vice-president*, and Elwyn Evans, *treasurer*.

#### RECENT DEATHS

DR. HERBERT ELLSWORTH SLAUGHT, since 1931 emeritus professor of mathematics at the University of

Chicago, died on May 21 at the age of seventy-six years.

DR. JOSEPH A. CULLER, professor emeritus of physics at Miami University, Ohio, died on May 18 at the age of seventy-nine years.

DR. JOHN MOORE READE, since 1908 professor of botany and from 1919 to 1926 director of the biological laboratories at the University of Georgia, died on May 8 at the age of sixty-one years.

DR. WILLARD L. WACHTER, Charles McIntyre professor of biology at Lafayette College, died on May 18 at the age of thirty-nine years.

ALEXANDER HOWARD MCCONNELL, founder and chairman of the board of directors of the Central Scientific Company, died on May 4, in his sixty-first year.

DR. HARRY G. TIMBRES, of Edmonton, Canada, died on May 12 of typhus contracted while carrying out antimalarial experiments for the Tropical Institute of Moscow.

DR. ARTHUR HARRY CHURCH, formerly reader in botany at the University of Oxford, died on April 24, at the age of seventy-two years.

### SCIENTIFIC NOTES AND NEWS

DR. JOHN J. ABEL, emeritus professor of pharmacology at the Johns Hopkins University, celebrated his eightieth birthday on May 19 at a banquet given in the Welch Medical Library, which was attended by colleagues and former students. At its conclusion he was presented with a scroll bearing the names and greetings of those present. Telegrams from friends from all parts of the country were read.

A PLAQUE of Dr. Henry H. Donaldson, of the Wistar Institute of Anatomy, sculptured by Dr. R. Tait McKenzie, was presented to the Lenape Club of Philadelphia by Dr. McKenzie on the occasion of the eightieth birthday of Dr. Donaldson on May 12, and commemorating the twentieth anniversary of his presidency of the club.

DR. HARVEY CUSHING, since 1933 Sterling professor of neurology at the Medical School of Yale University, previously Moseley professor at the Harvard Medical School and surgeon-in-chief of the Peter Bent Brigham Hospital, will retire at the close of the academic year and will become professor emeritus.

SIR ANDREW MACPHAIL will retire at the end of the present summer term from the chair of medical history in McGill University, which he has held for over thirty years.

THE Daniel Guggenheim Medal for 1937, presented annually "in recognition of meritorious achievements in the furtherance of aeronautics," has been awarded to Dr. Hugo Eckener. The presentation will be made at a dinner to be given in his honor in New York on December 17, the thirty-fourth anniversary of the first flight of the Wright brothers. The medal is awarded to Dr. Eckener for "notable contributions to trans-oceanic air transport and to international cooperation in aeronautics."

THE Walker Prize of \$100 of the Boston Society of Natural History has been awarded to Dr. V. C. Wynne-Edwards, assistant professor in the department of zoology of McGill University, for his work entitled "Isolated Arctic-Alpine Flora of Eastern North America." A second prize of \$60 has been awarded to William D. Gray, of the University of Pennsylvania, for a paper on "Myxomycete Studies: The Influence of Light on the Fruiting of *Physarum polycephalum*."

THE Royal Anthropological Institute of Great Britain and Ireland has awarded the Wellcome Gold Medal for anthropological research for 1936 to Dr. Charles Kingsley Meek for an essay entitled "Law and Authority in a Nigerian Tribe. A Study in Indirect Rule." The Rivers Memorial Medal for anthropological work in the field for 1937 has been awarded

by the institute to Dr. Edward Evan Evans-Pritchard for his field work in the Anglo-Egyptian Sudan and Kenya during the last ten years.

THE Founder's Medal of the Royal Geographical Society of London has been awarded to Colonel C. G. Lewis for his surveys on the Miri Mission, 1911-12, in Iraq and Syria, 1918-19, and on the Afghan and Turco-Iraq Boundary Commissions; for the air survey of the Irrawaddy Delta, 1924; and for his promotion and encouragement of the exploration and survey of the Himalaya.

THE degree of doctor of laws will be conferred at the commencement of Villanova College on June 3 on Dr. Charles H. Mayo and Dr. William J. Mayo, of the Mayo Foundation, Rochester, Minn.

HONORARY degrees conferred at a special convocation of the University of Manitoba in connection with its diamond jubilee celebrations included the doctorate of laws on Vilhjalmur Stefansson, the Arctic explorer.

PROFESSOR JOSEPH GRINNELL, director of the Museum of Vertebrate Zoology of the University of California, was elected president of the American Society of Mammalogists at the recent meeting held in Washington, D. C.

DR. SYDNEY CUNNINGHAM, of the School of Medicine of Vanderbilt University, has been appointed dean of the Albany Medical College, Albany, N. Y. He will succeed Dr. Thomas Ordway, who has resigned after serving for twenty-two years.

DR. HARRY STOLL MUSTARD and Dr. William Smith Tillett, both of the Johns Hopkins University, have been appointed members of the faculty of the College of Medicine of New York University. Dr. Mustard has been appointed Hermann Biggs professor of preventive medicine and director of the laboratories of preventive medicine to fill the chair left vacant by the retirement of Professor William Hallock Park. He also becomes director of the new District Health Center. Dr. Tillett will become professor of bacteriology and director of the bacteriological laboratories.

DR. KARL S. LASHLEY, professor of psychology at Harvard University, has been appointed research professor of neuropsychology and has been relieved of responsibility for routine instruction. He will offer a graduate seminary and direct research in neuropsychology.

DR. G. ALBIN MATSON, associate professor of bacteriology at the Montana State University, has been appointed to an assistant professorship in the department of bacteriology and pathology of the School of Medicine of the University of Utah.

DR. CLIFFORD C. GREGG has been appointed director

of the Field Museum, Chicago. Since the death of Stephen C. Simms in January, who had held the post of director since 1928, Mr. Gregg has been in charge of the administration of the museum under a temporary appointment as acting director. He is the fourth director to hold office since the museum was founded in 1893. His predecessors have been the late Stephen C. Simms, the late David C. Davies and the late Frederick J. V. Skiff, who was the first director. A member of the staff since 1926, Mr. Gregg served as assistant to the director under both Mr. Simms and Mr. Davies.

At a recent meeting of the executive committee of the Long Island Biological Association it was voted to appoint Dr. Eric Ponder, who has for the past year been interim director, as director of the Biological Laboratory, Cold Spring Harbor, Long Island, N. Y.

DR. M. S. NAVASHIN, of the Institute of Genetics, Academy of Sciences, U.S.S.R., has resigned the directorship of the Botanic Garden of the University of Moscow. He will henceforth devote all his time to cytogenetic research.

THE Committee on Scientific Research of the American Medical Association has made grants as follows: to Dr. Ira A. Manville, of the School of Medicine of the University of Oregon, for an extension to connective tissues of his work on the mucous epithelium; to Dr. G. Albin Matson, associate professor of bacteriology at the Montana State University, for a study of the antigenic properties of certain chemical substances; to Dr. James B. Hamilton, of Albany Medical College, for a study of the effect of male hormone substance on testicular descent, and to Dr. George M. Curtis, of the Ohio State University, for the continuation of his work on calcium and iodine metabolism as related to thyroid disease.

DR. ALEXIS CARREL, of the Rockefeller Institute for Medical Research, has sailed for Europe to pass the summer in Paris and Brussels, where he plans to continue research.

DR. GUSTAV EGLOFF, director of research of the Universal Oil Products Company, Chicago, will sail on June 2 for England. He is a delegate from the American Petroleum Institute to the Second World Petroleum Congress, to be held in Paris from June 14 to 19. He plans to spend a week in England lecturing before going to Paris to attend the congress. He will also spend some time in Holland, Belgium, Germany, Czechoslovakia and Austria, visiting refineries and oil fields in addition to giving lectures.

DR. WILLIAM BOWIE, formerly chief of the Division of Geodesy of the U. S. Coast and Geodetic Survey, gave on May 14 an address before the Rittenhouse

Astronomical Society of Philadelphia entitled "Contributions of Geodesy to Our Knowledge of the Earth."

THE twelfth Edgar Marburg Lecture will be delivered on June 30 at the fortieth annual meeting in New York City of the American Society for Testing Materials by Dr. T. Smith Taylor, professor of physics in Washington and Jefferson College. The subject of the lecture will be "Plastics: Some Applications of Different Classes, Methods of Testing."

THE second Leo Loeb Lecture, under the annual lectureship established by the Mu Chapter of Phi Beta Pi, medical fraternity, was delivered on May 14 by Dr. Anton J. Carlson, professor of physiology at the University of Chicago, on "Problems in the Control of the Endocrine Glands."

DR. EDWARD KASNER, Adrain professor of mathematics at Columbia University, recently addressed a joint meeting of Phi Beta Kappa and Sigma Xi at Rutgers University on "Imagination and Conception in Mathematics."

AT the twentieth annual meeting of the American Society of Ichthyologists and Herpetologists, held in Washington, D. C., from May 4 to 8, the following officers were elected: John T. Nichols and Leonhard Stejneger, *Honorary Presidents*; William K. Gregory, *President*; L. M. Klauber, Leonard P. Schultz and Hobart M. Smith, *Vice-presidents*; M. Graham Netting, *Secretary*; Arthur W. Henn, *Treasurer*; Helen T. Gaige, *Editor-in-Chief of Copeia*; Lionel A. Walford, *Ichthyological Editor*; Karl P. Schmidt, *Herpetological Editor*. Four honorary members were elected: for 1936, Professor David M. S. Watson, University College, London, and Professor Franz Werner, University of Vienna; for 1937, Dr. Leo S. Berg, Academy of Sciences, Leningrad, and Dr. W. Wolterstorff, Museum für Natur- und Heimatkunde, Magdeburg. Dr. G. A. Boulenger is the only previously elected honorary foreign member.

AT a meeting of the Ohio State University Chapter of Sigma Xi forty-nine members and forty-one associate members were elected. In the evening following the spring banquet of the society, Professor Raymond Pearl, of the Johns Hopkins University, spoke on "The Relation of Population to Fertility." Officers of the Ohio State chapter are Professor Eugene Van Cleeef, *president*; Professor J. H. Gourley, *vice-president*, and Professor Fred A. Hitchcock, *secretary*.

THE Michigan Chapter of the Society of the Sigma Xi held its annual initiation banquet on the evening of May 5. Professor Jesse Ormondroyd, of the department of engineering and mechanics of the University of Michigan, delivered the address for the occasion on "The Two Hundred Inch Telescope Mount-

ing." Five faculty members, three alumni and eighteen graduate students were elected to full membership. Sixty-six graduate students and twenty-three undergraduates were elected as associates. In addition, one faculty member and twenty graduate students were advanced from associate to full membership.

THE fourth annual initiation of the Massachusetts Institute of Technology Chapter of the Society of Sigma Xi was held on May 20. Officers elected for the next year were Professor Arthur C. Hardy, *president*; Professor Walter C. Voss, *vice-president*; Professor Bernard E. Proctor, *treasurer*; Professor John B. Wilbur, *secretary*, and Professor Hoyt C. Hottel, *elector*. The initiates elected included twenty-four members and twenty-two associates. Following the ceremonies, at which Dr. John W. M. Bunker, retiring president, presided, the initiates were guests at a dinner at Walker Memorial at which Dr. Homer W. Smith, professor of physiology of the College of Medicine of New York University, spoke on "The Lung-Fish, an Amazing Anomaly of Nature."

THE sixty-second annual meeting of the American Forestry Association, planned as a joint meeting with the Ohio Forestry Association, will be held at Cincinnati, Ohio, from May 31 to June 3. The chief subject to be considered will be water conservation and flood control. There will be a day-boat trip on the Ohio River, giving a first-hand view of after-flood scenes and river works designed to deal with flood waters in the main river; and a day's motor tour of the Muskingum Watershed Conservancy District, where source control and conservation of water is being undertaken. The Muskingum Conservancy represents the first and only large scale cooperative effort on the part of the Federal Government, the state and local communities to deal with the flood problem in a given drainage basin.

A SYMPOSIUM on the viruses was held in San Francisco on May 6 by the Pasteur Society of Central California. Three papers were presented: "The Cultivation and Handling of Viruses," by Alfred Lazarus, Edith Claypole research fellow, Hooper Foundation, University of California; "Recent Developments in the Study of Plant Viruses," by Dr. T. E. Rawlins, associate professor of plant pathology and associate plant pathologist in the Experiment Station, College of Agriculture, University of California; and "Polio-myelitis and its Problem of Control," by Dr. E. W. Schultz, professor of bacteriology and experimental pathology, Stanford University. The following officers were elected for the coming year: *President*, Dr. J. C. Geiger, director of public health of the City and County of San Francisco; *Vice-president*, Dr. Charles E. Smith, Stanford University Medical School; *Secre-*

*tary-Treasurer*, Dr. Herbert G. Johnstone, department of bacteriology, University of California Medical School; *Councillors*, Dr. Ethel McNeil, department of zoology, University of California, and Dr. Harry E. Foster, medical director of the Cutter Laboratories, Berkeley. The membership of the society at the close of this year is 320.

THE second annual meeting of the Oregon Psychological Association was held at Reed College on May 1. A symposium was held on "The Measurement and Evaluation of Personality," and individual research reports were presented. Professor William Griffith, of Reed College, was chairman and delivered an evening address entitled, "The House of Magic." Dr. L. F. Beck, of the University of Oregon, was elected secretary. The Oregon Normal School was selected as the place of meeting for next year.

THE Botanical Society of America and the American Society of Plant Taxonomists will hold two joint summer field meetings in August. The first of these meetings will be held at Acadia University, Wolfville, N. S., from August 18 to 21; the program for this meeting is being arranged by the officers of the Botanical Society of America. The second meeting will be held at the Biological Station of the University of Michigan at Douglas Lake, from August 24 to 27. Officers of the American Society of Plant Taxonomists are arranging the program for the Douglas Lake meeting.

DURING the summer session of the College of Arts and Science of the University of Rochester, two sum-

mer courses in photography will be given under the joint auspices of the Institute of Applied Optics of the university and the Eastman Kodak Research Laboratory. They will be under the immediate supervision of Dr. T. R. Wilkins and Dr. Walter Clark, and will be similar in nature to those given in the regular curriculum of the Institute of Optics. The elementary course will run from June 22 to July 13 and the advanced course from July 5 to July 23. The lectures in the latter course will be given by Dr. C. E. Kenneth Mees, Dr. L. A. Jones and Dr. W. Clark, of the Kodak Research Laboratories. In addition, from July 5 to July 9, there will be a course on "Photographic Photometry and Spectrophotometry," conducted by Dr. Brian O'Brien; and from July 12 to July 16 Dr. T. R. Wilkins will lecture on "The Photographic Emulsion as a Tool in Atomic Nuclear Research." During the courses trips of inspection have been planned to the Kodak Park Laboratories and the Kodak Camera Works.

THE John and Mary R. Markle Foundation of New York City has recently appropriated to the National Research Council the sum of \$100,000 to be available over a three-year period for the support of research in endocrinology. This fund will be administered by a committee of the Division of Medical Sciences of the council to be appointed later this spring and will be allotted in grants for the support of approved programs of research in this field to be conducted in institutions which may wish to collaborate in these investigations.

## DISCUSSION

### THE FLORA OF CALIFORNIA

WITHOUT attempting an adequate review, I venture to call attention to some of the features of W. L. Jepson's "Flora of California," Vol. 2, Capparidaceae to Cornaceae, a work of 684 pages published at the University of California last year. It is one of the most interesting and stimulating floras I have seen, and is especially to be valued for its full discussions of debatable points and the historical data often given with the more important species. We may envy the Californian students of flowering plants, who are now so well provided with information concerning the very unique flora of the Pacific Coast region. It must not be thought, however, that discoveries are no longer possible. There is very much to be found out, and such works as Jepson's should stimulate zeal for investigation, by providing a basis for the judgment of such observations as may be made.

One feature in Jepson's work which I greatly regret is his custom (following the old "Kew rule") of citing

as the authority for a species or variety the writer who proposed the combination used. Thus the common water-cress, named *Sisymbrium nasturtium-aquaticum* by Linnaeus in 1753, appears as *Radicula nasturtium-aquaticum* Britten and Rendle, 1907. Such usage hides the true history of the plant, and prevents the recognition of the original describer. The usual custom of botanists to-day is to cite the original author and also the author of the combination, thus: (Linnaeus) Britten and Rendle. In zoology, however, we use the double citation only in formal monographs, if at all, and I have never been able to see that we lost anything of value by the omission of the author of the binomial or trinomial accepted, when that is based on an earlier name. It is perhaps ungracious to say it, but one can not avoid a suspicion that sometimes the double citation or the single citation, as given by Jepson, acts as a stimulus to the formation of new combinations.

Another quite different matter has to do with the