

The Executive Committee of the Federation announces four fellowships of \$250 each to be awarded for the fifteenth congress to be held in Leningrad-Moscow from August 9 to 17, 1935. One fellowship will be awarded in each of the branches of biological science represented by the four constituent societies of the federation: namely, The American Physiological Society, The American Society of Biological Chemists, The American Society for Pharmacology and Experimental Therapeutics and The American Society for Experimental Pathology.

The conditions for the award of these fellowships in accordance with the vote of the Executive Committee of the federation are as follows:

1. Each candidate must be recommended as worthy by some member of the society representing the field of study or by some other individual familiar with the character of the candidate's work.
2. Candidates must be under thirty-five years of age and must not have yet attained professorial rank or its equivalent.
3. Each candidate must present with the application a draft of a meritorious paper to be presented to the congress.
4. Applications must be made before January 15, 1935, to the *Secretary* of the society which includes the field of study.
5. These applications will be considered by the councils of the respective societies, who will submit an approved list of nominees to the Executive Committee of the Federation.
6. Final selection of fellows will be made by the Executive Committee of the Federation.

Applications should be made to the secretary of the society in whose field the work to be presented at the congress lies: for *Physiology*, Frank C. Mann, Mayo Clinic and Foundation, Rochester, Minnesota; for *Biological Chemistry*, H. A. Mattill, State University of Iowa, Iowa City; for *Pharmacology and Experimental Therapeutics*, E. M. K. Geiling, the Johns Hopkins University; for *Experimental Pathology*, Shields Warren, Palmer Memorial Hospital, Boston.

## SCIENTIFIC NOTES AND NEWS

THE Nobel prize in chemistry has been awarded to Dr. Harold C. Urey, professor of chemistry at Columbia University, for his discovery of deuterium.

ON the occasion of the celebration of the one hundredth anniversary of the founding of the University of Brussels, honorary degrees were conferred on a number of scientific men. These included the degree of doctor of medicine, on Dr. Karl Landsteiner, member of the Rockefeller Institute for Medical Research, and the degree of doctor of science, on Dr. George Van Biesbroeck, until 1915 a member of the staff of the Royal Observatory, Belgium, now professor of practical astronomy at the Yerkes Observatory. As already announced, the degree of doctor of applied science was conferred on Dr. Leo H. Baekeland, born in Belgium in 1863, now honorary professor of chemical engineering at Columbia University.

THE Saunders Gold Medal of the American Institute of Mining and Metallurgical Engineers for "outstanding achievements in mining" has been awarded to James MacNaughton, president and general manager of the Calumet and Hecla Consolidated Copper Company. The presentation will be made in New York in February.

AT a reunion of former students of the department of chemistry at the Ohio State University on November 17, presentation was made by the alumni of a portrait of Dr. William McPherson, professor of chemistry and dean of the Graduate School. The portrait, the work of Professor James R. Hopkins, of

the faculty of fine arts, was presented by George A. Burrell, '18, consulting chemist of Pittsburgh, Pa.

A PORTRAIT of Professor Emeritus William H. Hobbs, formerly head of the department of geology of the University of Michigan, was recently presented to the university by the department of geology. The portrait is the work of Leon A. Makielski. A large group of colleagues, students and friends of Professor Hobbs attended the presentation ceremonies, which included addresses by Dr. John G. Winter, president of the Research Club, and Dr. Ermine C. Case, chairman of the department of geology. President A. G. Ruthven accepted the gift for the university, after which Professor Hobbs responded.

ACCORDING to *Nature* a complimentary dinner to Professor A. Fowler, since 1923 Yarrow research professor of the Royal Society, on his retirement after fifty-two years' association with the Royal College of Science, South Kensington, was recently held at the Imperial College Union. Dr. H. Dingle, assistant professor of astrophysics at the college, occupied the chair, and among the assembly, in addition to many old students and colleagues and the rector of the college, H. T. Tizard, were representatives of a number of scientific societies, including Sir James Jeans, president, and Professor W. W. Watts, president-elect, of the British Association; Professor F. J. M. Stratton, president of the Royal Astronomical Society; Professor H. H. Plaskett, Savilian professor of

astronomy, Oxford, and Professor Allan Ferguson, secretary of the Physical Society. Dr. Dingle and Sir Richard Gregory were the principal speakers.

RALPH E. FLANDERS, vice-president of the Jones and Lamson Machine Company of Springfield, Vt., has been elected president of the American Society of Mechanical Engineers.

At a recent meeting of the Massachusetts Psychiatric Society Dr. C. Macfie Campbell, professor of psychiatry at the Harvard Medical School, was elected president.

At a meeting of the New York Academy of Medicine on November 8 Dr. Eugene H. Pool, professor of clinical surgery at Cornell University Medical College, was nominated to the presidency for a term of two years to succeed Dr. Bernard Sachs, who presided. Other nominations, all of which will be voted upon at the next regular meeting, were Dr. Herbert B. Wilcox, *vice-president*; Dr. George Baehr and Dr. William S. Ladd, *trustees* for five years, and Dr. Sachs, *trustee* for one year.

At the annual meeting of the Royal Society of Edinburgh the following officers were elected: *President*, Professor D'Arcy W. Thompson; *Vice-presidents*, Sir Thomas Holland, Professor C. G. Darwin, Professor R. A. Sampson, Principal O. Charnock Bradley, Professor P. T. Herring, the Marquis of Linlithgow; *General Secretary*, Professor J. H. Ashworth; *Secretaries to Ordinary Meetings*, Professor F. A. E. Crew and Professor J. P. Kendall; *Treasurer*, Dr. James Watt; *Curator of Library and Museum*, Dr. Leonard Dobbin.

PROFESSOR EDMUND S. CONKLIN, of the University of Oregon, has been appointed professor and head of the department of psychology at Indiana University. He succeeds Professor William F. Book, who has retired with the title of professor emeritus.

E. V. ELLINGTON, head of the department of dairy husbandry of Washington State College and Agricultural Experiment Station, was recently appointed vice-dean of the College of Agriculture and assistant director of the station.

DR. J. R. KATZ, of the University of Amsterdam, who has completed a special six weeks' course of lectures at Cornell University as the George Fisher Baker non-resident lecturer, has been invited to continue his lectures for the remainder of the first term. His subject will be "The Study of Substances of High Molecular Weight by Means of X-rays."

DR. ERNST FISCHER, of Frankfurt-am-Main, has been appointed visiting associate in physiology at the School of Medicine and Dentistry of the University

of Rochester, and Dr. Konrad Dobriner, of Munich, has been appointed research fellow in medicine.

DR. LOUIS B. BALDWIN, formerly assistant professor of medicine at the University of Rochester, New York, has been appointed physician-in-chief of The Desert Sanatorium and Institute of Research at Tucson, Arizona.

DR. GEO. OTIS SMITH, formerly director of the U. S. Geological Survey and from 1930 to 1933 chairman of the Federal Power Commission, has been elected chairman of the Board of Trustees of Colby College.

W. MCK. MARTIN, formerly associate professor in the department of chemistry of the Montana Agricultural Experiment Station, has joined the research department of the American Can Company, Maywood, Illinois.

*Nature* reports that J. M. Edmonds has been appointed geologist on the staff of the Geological Survey, Khartoum, Anglo-Egyptian Sudan.

PROFESSOR DR. S. MITA, of the Tokyo Imperial University, will be appointed director of the new medical college of the Formosa Imperial University, at Taiwan, which will open in 1936, when it is expected that the building will be ready for occupancy. The present medical school in Formosa will be raised to the status of a university college of medicine.

DR. GEORGE R. MINOT, who with Dr. Murphy and Dr. Whipple was recently awarded the Nobel Prize in physiology and medicine, sailed for Stockholm on November 14.

REXFORD G. TUGWELL, Under-Secretary of Agriculture, returned on November 15 from Europe, where he has been traveling for two months. Dr. Tugwell was at the head of the American delegation to the recent Conference of the International Institute of Agriculture at Rome.

PROFESSOR G. H. PARKER, of Harvard University, gave on November 5 the annual address at the meeting of the Worcester Chapter of the Sigma Xi. The subject of his address was "Neurohumors: Novel Agents in the Action of the Nervous System."

THE annual Gross lecture of the Pathological Society of Philadelphia will be given on the evening of December 13 by Dr. Shields Warren on "Recent Advances in the Pathology of the Thyroid Gland."

DR. ULRICH FRIEDEMANN, formerly professor at the University of Berlin and director of the Division of Infectious Diseases of the Virchow Hospital, will give three lectures under the auspices of the Edward K. Dunham Foundation at the Harvard Medical School

at five o'clock on December 4, 6 and 11. The subject of the lectures will be "Problems Concerning the Pathogenesis of Infectious Diseases."

PROFESSOR W. M. THORNTON, the new president of the British Institution of Electrical Engineers, delivered his inaugural address before members of the institution on October 26 on "The Importance of Insulation in the Transmission of Electrical Energy."

THE department of botany of the Iowa State College and the Corn Research Institute of the Iowa Agricultural Experiment Station held on November 15 and 16 a symposium commemorating six decades of the modern era in botanical science at the college. The meeting commemorated the pioneer work of Professor Charles Edwin Bessey, who joined the faculty sixty-four years ago. Professor Bessey's compound microscope was on display. Two hundred botanists attended the exercises. Dr. Ernst A. Bessey, a son of Dr. Bessey, who is head of the department of botany at the Michigan State College, gave an address on the "Teaching of Botany Sixty-five Years Ago." On this occasion the honorary degree of doctor of science was conferred on Henry A. Wallace, Secretary of Agriculture, who was an honor graduate of the college in 1910.

THE American Board of Psychiatry and Neurology, as reported in the *Journal* of the American Medical Association, was organized at a meeting in New York, on October 20, with the following officers: Drs. H. Douglas Singer, Chicago, *president*; Charles Macfie Campbell, Boston, *vice-president*, and Walter Freeman, Washington, D. C., *secretary*. Other members are Drs. Lewis J. Pollock, Chicago; George W. Hall, Chicago; Franklin G. Ebaugh, Denver; Lloyd H. Ziegler, Albany, N. Y.; James Allen Jackson, Danville, Pa., and Adolf Meyer, Baltimore. A committee was appointed to consider plans for examinations, credentials and forms for application blanks.

THE Long Island College of Medicine has received a bequest of approximately \$1,500,000, from the late Frank L. Babbott, who died in Brooklyn in December, 1933, for the establishment of an endowment fund, the income from which is to be applied to the furtherance of medical education and research.

THE Rockefeller Foundation has made a grant of \$50,000 to the University of Chicago to carry on bio-

logic research. This is an increase over the annual grant of \$30,000 which the foundation has given to the university for the last five years. The additional \$20,000 will be used to cover the expenses of the sex research program, which until this year has been financed by the committee on research in problems of sex of the National Research Council.

It has been decided to publish all the papers presented on the occasion of the dedication of the Lilly Research Laboratories at Indianapolis in the form of a volume in which will be included an account of the laboratory and its activities. It is hoped that this volume will be completed and will be ready for distribution early next year. Copies will be sent to guests present at the celebration and to scientific and medical men who may be interested in securing a full report of the papers presented by Sir Henry Dale, Sir Frederick Banting, Dr. Irving Langmuir, Dr. Elliott P. Joslin, Dr. George R. Minot, Dr. Carl Voegtlin, Dr. George H. Whipple and Dr. Frank R. Lillie.

THE following awards have been made by the British Institution of Civil Engineers: Baker Gold Medal to Ralph Freeman, London. For papers read and discussed at ordinary meetings: Telford Gold Medals to Dr. J. J. C. Bradfield, Sydney, Australia, and to Ralph Freeman, London; Webb Prize and Telford Premium to W. E. Gelson, Delhi; Indian Premium to J. D. Watson, Lahore; Telford Premium jointly to Ralph Freeman, London, and Lawrence Ennis, London; Telford Premium jointly to E. F. Law, London, and Vernon Harbord, London; Manby Premium jointly to J. F. Pain, Winchester, and Gilbert Roberts, Margate; Trevithick Premium jointly to R. W. Foxlee, London, and E. H. Greet, Iver, Bucks. For papers published without discussion as "Selected Engineering Papers": Telford Premiums to E. F. Reid, London; jointly to F. W. H. Stileman, Weybridge, Surrey, and J. S. Young, Perth, Australia; to E. H. Bateman, Birmingham; to A. C. Gardner, Glasgow; to W. G. Morrison, London; to B. C. Hammond, Worcester; the Crampton Prize to G. M. T. Rees, Gerrards Cross, Bucks; the Charles Hawksley Prize has been awarded to H. G. Cousins, London, and the Coopers Hill War Memorial Prize to F. V. Appleby, Brighton.

## DISCUSSION

### MUSEUM CONDITIONS IN THE UNITED STATES

It is the purpose of this article to present the results of a study of 134 museums of natural history

representing a fair cross section of their distribution throughout the United States. The objective of the investigation was to evaluate the museum method of education among the people of this country. Although