

- February 17, 18. The New Quantum Mechanics: Dr. E. Schrödinger, professor of mathematical physics at the University of Zurich.
- March 4. The Theory of the Breakdown of Dielectrics: Professor A. Joffé, of the Physical Technical Roentgen Institute of Leningrad.
- " 11. Some Characteristics of Solar and Stellar Atmospheres: Dr. Charles E. St. John.
- April 1. Doublet Separation and Fine Structure of the Balmer Lines of Hydrogen: Dr. Norton A. Kent, professor of physics, Boston University.
- " 8. Absolute Intensities of Lines in the Pure Rotation Spectrum of HCl: Dr. R. M. Badger.
- " 18. "Newton": Professor H. H. Turner, of Oxford University, England.
- " 22. The Scandium Spectrum: Professor Henry Norris Russell, of Princeton University.
- " 29. Theory of Precision Clocks and other Regenerative Systems: Mr. V. H. Benioff.
- May 6. On the Theory of Compton Effect: Dr. P. S. Epstein.
- " 13. Recent Research in Line and Band Spectra: Dr. L. A. Sommer, of the University of Göttingen.
- " 20. The Theory of the Davisson-Germer Experiment: Drs. C. Eckart and F. Zwicky.
- " 27. The Shift of Spectroscopic Lines with Pressure: Mr. H. D. Babcock.
- June 3. Some Evidences as to the Ultimate Nature of Magnetism: T. D. Yensen, Photo-electric Fatigue: F. L. Poole.

THE INTERNATIONAL GEODETIC AND GEOPHYSICAL UNION

THE list of delegates and guests of the American Geophysical Union to the third general assembly of the International Geodetic and Geophysical Union which meets at Prague from September 3 to 10, includes:

Dr. Louis A. Bauer, director, Department of Terrestrial Magnetism of the Carnegie Institution of Washington, accompanied by Mrs. Bauer.

Dr. William Bowie, chief of the division of geodesy of the U. S. Coast and Geodetic Survey, accompanied by Mrs. Bowie and their adult son.

Dr. J. H. Dellinger, senior physicist of the radio section of the U. S. Bureau of Standards, accompanied by Mrs. Dellinger.

Commander N. H. Heck, chief of the division of terrestrial magnetism and seismology, U. S. Coast and Geodetic Survey.

Mr. W. D. Lambert, mathematician of the division of geodesy, U. S. Coast and Geodetic Survey, accompanied by his sister, Miss Mary B. Lambert.

Dr. R. A. Millikan, director of the California Institute of Technology, Pasadena.

Dr. Harry Fielding Reid, professor of dynamic geology of the Johns Hopkins University, Baltimore.

Professor L. C. Graton, of the department of geology, Harvard University, Cambridge, Mass., will attend as a guest.

The following resolutions were adopted by the American Geophysical Union during its eighth annual meeting on April 29:

RESOLUTIONS ON TRANSLATIONS OF REPORTS ON SEISMOLOGICAL INVESTIGATIONS PUBLISHED IN THE JAPANESE LANGUAGE

(Submitted by Section of Seismology)

Whereas, It has become known that the reports of much of the seismological investigations carried on in Japan will hereafter be published in the Japanese language only, and

Whereas, This procedure is calculated to deprive most of the American students in this field of research of the advantages of this literature, be it

Resolved, That this matter be brought to the attention of the National Research Council in the hope that the council may provide that this literature be rendered into English, also that provision be made whereby mimeographed copies of these translations be supplied investigators at research institutions gratis and to business concerns, insurance companies, and others interested at cost, and

Resolved, Further, that, should such an arrangement be feasible, a committee of the Geophysical Union be empowered to make a choice of the material to be so translated and distributed.

THE BUREAU OF CHEMISTRY AND SOILS OF THE U. S. DEPARTMENT OF AGRICULTURE

DR. CHARLES ALBERT BROWNE, chief of the bureau of chemistry of the United States Department of Agriculture, has been designated acting chief of the new Bureau of Chemistry and Soils, which takes form July 1. Dr. A. G. McCall, of the University of Maryland, has been selected to head the department of soils and will take the place of Professor Milton Whitney, who has headed this work since its organization in the department, but who is now obliged, on account of ill health, to relinquish exacting administrative duties. Professor Whitney will devote himself to writing up results of important investigations on which he has been engaged for many years.

A. G. Rice, assistant to the chief of the Bureau of Soils, has been given the same position in the new bureau.

Dr. McCall was a member of the scientific staff of the Bureau of Soils from 1901 to 1904. He left the Department of Agriculture to become assistant professor of agronomy in the Ohio State University and was soon made head of that department, holding the position until 1916 when he became head of the de-

partment of soils and geology in the University of Maryland.

Maryland was the first state to start soil survey work and the first to complete it. The work was started under Professor Milton Whitney and completed under Dr. McCall.

Dr. McCall received his B.Sc. degree from the Ohio State University in 1900 and his Ph.D. from the Johns Hopkins in 1916. He is a member of the Society of Agronomy, the American Association for the Advancement of Science, the Society for the Promotion of the Agricultural Science, and of many other scientific and agricultural organizations. He was executive secretary of the First International Congress of Soil Science recently held in Washington, and has been active in promoting soil science as a writer and investigator.

The new Bureau of Chemistry and Soils combines the research divisions of the old Bureau of Chemistry, the Bureau of Soils, and the Fixed Nitrogen Research Laboratory. The regulatory work formerly carried on by the Bureau of Chemistry has been combined with the regulatory work in the Insecticide and Fungicide Board and all will be administered in the new Food, Drug and Insecticide Administration.

The Civil Service Commission recently held an examination for the position of chief and assistant chief of the newly created bureau. From the list of eligibles the secretary of agriculture expects soon to select the permanent head. Dr. Browne has expressed a desire to devote his energies to chemical research, but has consented to handle the general administrative work temporarily.

SCIENTIFIC NOTES AND NEWS

DR. ELIAKIM HASTINGS MOORE, professor of mathematics in the University of Chicago, a past president of the American Association for the Advancement of Science, has received the degree of doctor of science from the University of Kansas. Northwestern University, where Dr. Moore was formerly professor of mathematics, also conferred on him the doctorate of science as "a productive scholar whose publications are marked by their originality, finished character and far-reaching significance; the recognized leader among American mathematicians."

THE University of Michigan on the occasion of the recent commencement conferred the degree of doctor of science on Dr. Alexander Ziwet, for many years professor of mathematics in the university and professor emeritus since 1925; and on Dr. Willis Rodney Whitney, since 1901 director of the research laboratories of the General Electric Company.

DR. JAMES M. ANDERS, professor of medicine in the University of Pennsylvania, received the degree of doctor of science on the occasion of the commencement exercises of Bowdoin College.

DR. ALEXIS CARREL, of the Rockefeller Institute for Medical Research, has been elected correspondent of the Paris Academy of Sciences in the department of medicine and surgery.

AT Princeton University Professor Edwin Grant Conklin has been appointed Henry Fairfield Osborn research professor of biology; Professor K. T. Compton, Cyrus Fogg Brackett research professor of physics, and Professor Hugh Scott Taylor, David B. Jones research professor of chemistry.

PROFESSOR F. G. DONNAN, professor of general chemistry in the University of London, has been elected a member of the Royal Academy of Sciences of Amsterdam, filling the vacancy caused by the death of Professor C. Golgi, of Pavia.

THE University of Oxford conferred the honorary degree of D.Sc. upon Sir Robert Hadfield, Bart., and Dr. Richard Willstätter, professor of chemistry in the University of Munich, on June 30.

Nature reports that the Senatus Academicus of the University of Edinburgh has agreed to offer the degree of doctor of laws to the following, for conferment at the special graduation ceremonial on July 20, on the occasion of the visit to Edinburgh of the British Medical Association: Lord Dawson, of Penn, physician in ordinary to His Majesty the King; Dr. A. Donald (Manchester); Dr. C. E. Douglas (Cupar); Sir William Hale-White (London); Mr. R. G. Hogarth (Nottingham); Dr. W. Hunter (London); Dr. T. H. Milroy (Belfast); Sir Berkeley Moynihan, Bart. (Leeds); Sir J. H. Parsons (London); Sir Humphry Rolleston, Bart. (Cambridge); Dr. G. F. Still (London); Mr. W. Trotter (London); Sir Almroth Wright (London); Professor Vittorio Ascoli, professor of clinical medicine, Rome; M. Jules Bordet, director of the Pasteur Institute, Brussels; Dr. Harvey Cushing, professor of surgery, Harvard University; Dr. C. L. Dana, professor of nervous diseases, Cornell University; Professor Knud Faber, professor of medicine, University of Copenhagen; Dr. Jan van der Hoeve, professor of ophthalmology, University of Leyden; Dr. Otto Meyerhoff, professor of physiology, University of Berlin; Dr. Otto Naegeli, professor of medicine, University of Zurich; Dr. W. S. Thayer, professor emeritus of medicine, Johns Hopkins University, and M. T. M. Tuffier, Academy of Medicine, Paris.

THE International Anesthesia Research Society presented on May 16 to Dr. Arno B. Luckhardt, professor