

- 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-