

### THE AMERICAN PHYSICAL SOCIETY

THE regular Thanksgiving meeting of the Physical Society was held in Ryerson Physical Laboratory, University of Chicago, on Friday and Saturday, November 28 and 29, 1913. The program was as follows:

#### Friday Afternoon

"Quantum Theory and Radiation," by C. E. Mendenhall.

"Quantum Theory and Photoelectric Effect," by R. A. Millikan.

"Quantum Theory and Statistical Mechanics," by Max Mason.

"Quantum Theory and Atomic Structure," by Jacob Kunz.

"Quantum Theory and Specific Heats," by A. C. Lunn.

#### Saturday

"The Relation between Photo-potentials and Frequency," by W. H. Kadesch.

"A Study of Contact P.D.'s between Metal Surfaces Prepared in Vacuo; the Effect of Ultra-violet Light upon these P.D.'s; and the Mutual Relation between Positive Potential and Contact P.D.'s," by Albert E. Henning.

"Anomalous Temperature Effects upon Magnetized Steel," by N. H. Williams.

"Experimental Determination of the Earth's Rigidity," by A. A. Michelson.

"A New Maximum in the Wave-length sensibility Curves of Selenium," by F. C. Brown and L. P. Sieg.

"Evidence of a Diurnally Reversing Convective Circulation of the Atmosphere Over the Upper Peninsula of Michigan," by Eric R. Miller. (By title.)

"Polarization of Long-wave Infra-red Radiation by Wire Gratings," by A. D. Cole.

"Glow Discharge in a Magnetic Field," by R. F. Earhart.

"A Polarization Spectrophotometer Using the Brace Prism," by Harvey B. Lemon.

"Certain Experiments in Sound Diffraction," by G. W. Stewart and Harold Stiles.

"Effect of Space Charge and Residual Gases on the Thermionic Current in High Vacuum," by Irving Langmuir.

"Arrival Curves with Artificial Long Lines," by Carl Kinsley.

"An Attempt at an Electromagnetic Emission Theory of Light," by Jacob Kunz.

"Theory and Use of the Molecular Gauge," by Saul Dushman.

"A Modified Method of Measuring  $e/m$  and  $v$  for Cathode Rays," by L. T. Jones.

"An Experimental Determination of the Correction to the Law of Stokes for Falling Bodies, and of the Value of the Elementary Charge  $e$ ," by John Y. Lee.

"On the Coefficient of Slip Between a Gas and a Liquid or Solid," by R. A. Millikan.

"Note on the Electron Atmospheres (?)," by Carl R. Englund.

"Vapor Pressure of Molybdenum and Platinum," by Irving Langmuir.

"Disappearance of Gas or Clean-up Effect in Vacuum Tubes," by Irving Langmuir.

"A New Principle in the Application of Selenium to Photometry," by F. C. Brown and L. P. Sieg.

"Determination of  $e/m$  from Measurements of Thermionic Currents," by Saul Dushman.

"Rate of Decay of Phosphorescence at Low Temperatures," by E. H. Kennard.

"Determination of the Sun's Temperature," by G. A. Shook.

"The Theory of Photoelectric and Photochemical Effects," by O. W. Richardson.

"Photoelectric Potentials of Cathode Films," by P. H. Dike.

"The Temperature Coefficient of Young's Modulus of an Iron Wire," by H. L. Dodge.

"The Temperature Distribution in an Incandescent Lamp Filament near a Cooling Junction," by A. G. Worthing.

"Further Experiments on Magnetization by Angular Acceleration," by S. J. Barnett.

"Production of Gases in Vacuum Tubes," by G. Winchester.

"A Precision Relay," by Carl Kinsley.

"A Thermopile of Bismuth-alloy," by W. W. Coblentz. (By title.)

A. D. COLE,  
*Secretary*

### THE CONVOCATION WEEK MEETING OF SCIENTIFIC SOCIETIES

THE American Association for the Advancement of Science and the national scientific societies named below will meet at Atlanta, Ga., during convocation week, beginning on December 29, 1913.