

THE PHILADELPHIA MEETING OF THE NATIONAL ACADEMY OF SCIENCES

THE autumn meeting will be held at Philadelphia, November 20 and 21, in the engineering building of the University of Pennsylvania. On Tuesday evening a reception for the members of the academy and invited guests will be given by Provost and Mrs. Smith at the University Museum at 9 o'clock. The academy dinner will take place at the Bellevue-Stratford on Wednesday evening at 7.30 o'clock.

The scientific sessions are as follows:

Tuesday, November 20, 10.30-12.30

The wheat problem of the United States, Erwin F. Smith, Bureau of Plant Industry, U. S. Department of Agriculture.

The modern systematist, Liberty H. Bailey, Cornell University.

A criticism of the evidence for the mutation theory of De Vries from the behavior of *Oenothera* in crosses and in selfed lines (by invitation), Bradley M. Davis, University of Pennsylvania.

The chemical mechanism of regeneration, Jacques Loeb, Rockefeller Institute.

A comparison of growth changes in the nervous system of the rat with the corresponding changes in man, Henry H. Donaldson, the Wistar Institute.

Hereditary tendency to form nerve tumors, Charles B. Davenport, Station for Experimental Evolution, Carnegie Institution.

Food hormones or vitamins in some animal tissues (to be presented by L. B. Mendel), Lafayette B. Mendel and Thomas B. Osborne, Yale University.

Tuesday Afternoon, 2.00-4.00

The atomic weight of boron, Edgar F. Smith and Walter K. VanHaagen, University of Pennsylvania.

The effect of intravenous injection of magnesium sulphate upon tetanus—with a lantern slide demonstration by J. Auer (by invitation), Samuel J. Meltzer and John Auer.

Chemotherapy of spirochetal infections, for Drs. Jacobs and Brown, Simon Flexner, Rockefeller Institute.

Possible action of the sex-determining mechanism (by invitation), Clarence E. McClung, University of Pennsylvania.

The cause of mosaics and gynandromorphs in *Drosophila*, Thomas H. Morgan, Columbia University.

Spectrum analysis by different persistence of vision (by invitation), Herbert E. Ives, Physical Laboratory, The United Gas Improvement Company.

Wednesday, November 21, 9.30-10.30

The atmosphere and terrestrial radiation, Charles G. Abbot, Smithsonian Astrophysical Observatory.

Geometric aspects of the theory of heat, Edward Kasner, Columbia University.

Invariants which are functions of parameters of the transformation (by invitation), Oliver E. Glenn, University of Pennsylvania.

The validity of the thermoelectric equation $P = T(dv/dT)$, Edwin H. Hall, Harvard University.

A thermoelectric diagram on the P. V. plane, Edwin H. Hall, Harvard University.

The Astrapotheria of the Patagonian Miocene, William B. Scott, Princeton University.

Evolution of the Titanotheres: Final conclusions, Henry F. Osborn, American Museum of Natural History.

Study of the motions of forty-eight double stars (by invitation), Eric Doolittle, University of Pennsylvania.

A determination of the solar motion and of stream motion based on absolute magnitudes (read by Professor Hale), Gustaf Strömberg, Mt. Wilson Solar Observatory, Carnegie Institution (introduced by Walter S. Adams).

Wednesday Afternoon, 2.00-4.00

The coral reefs of Tutuila, Samoa, Alfred G. Mayer, Marine Laboratory, Carnegie Institution.

The subsidence of volcanic islands, William M. Davis, Harvard University.

A duty of the International Association of Academies, William M. Davis, Harvard University.

The work of the Anthropology Committee of the National Research Council, William H. Holmes, U. S. National Museum.

The work of the Psychological Committee of the National Research Council, Edward L. Thorndike, Columbia University.

The work of the National Research Council, George E. Hale, Mt. Wilson Solar Observatory, Carnegie Institution.

Biographical memoir of James D. Dana (read by title), Louis V. Pirsson, Yale University.

Biographical memoir of Cleveland Abbe (read by title), William J. Humphreys, U. S. Weather Bureau (introduced by A. L. Day).