

Plural births in man: CHARLES B. DAVENPORT.
Dynamical aspects of injury, recovery and death:
 W. J. V. OSTERHOUT.

The importance of the presence of both sympathetic superior cervical ganglia to the maintenance of life; and their possible relations to respiratory diseases: SAMUEL J. MELTZER.

The National Research Council: JAMES R. ANGELL.

A psychological study of the medical officers in the Army: ROBERT M. YERKES.

Afternoon Session

Spectroscopic phenomena of very long vacuum tubes: ROBERT W. WOOD.

The measurement of small time intervals and some applications, principally ballistic (introduced by Arthur G. Webster): L. T. E. THOMPSON, C. N. HICKMAN AND N. RIFFOLT.

The effect of molecular structure upon the reflection of molecules from the surface of liquids and solids: ROBERT A. MILLIKAN.

The Springfield rifle and the Leduc formula: ARTHUR G. WEBSTER.

On the internal ballistics of the Springfield rifle: ARTHUR G. WEBSTER.

The 100-inch Hooker telescope of the Mt. Wilson Observatory: GEORGE E. HALE.

The vertical interferometer: Preliminary tests in an attempt to measure the diameter of the stars; A modification of the Foucault method adapted to long-distance measurement of the velocity of light: A. A. MICHELSON.

Preliminary measurements on the pressures in the "Onde de Choc": ARTHUR G. WEBSTER.

On the specific heat of powder gases: ARTHUR G. WEBSTER.

Thermal conductivity of metals: EDWIN H. HALL.

Evening Session

The scale of the universe: HARLOW SHAPLEY, Mount Wilson Solar Observatory, and HEBER D. CURTIS, Lick Observatory (open to the public). U. S. National Museum (main auditorium). (William Ellery Hale Lectures.)

TUESDAY, APRIL 27

Morning Session

Distribution and villages of the Indian tribes of the Klamath River region, California: C. HART MERRIAM.

Significance of correlation in function between the dentition and skeleton of the Sabre-tooth tiger: JOHN C. MERRIAM.

On the colonial nervous system of Renilla: GEORGE H. PARKER.

The genus Botrychium and its relationships: DOUGLAS H. CAMPBELL.

The influence of cold in stimulating the growth of plants: FREDERICK V. COVILLE.

Some common foods as sources of vitamins: THOMAS B. OSBORNE AND LAFAYETTE B. MENDEL.

The physico-chemical properties of hæmoglobin: LAWRENCE J. HENDERSON.

The direct combination of nitrogen and chlorine: WILLIAM A. NOYES.

Valence and chemical affinity: GILBERT N. LEWIS.

Afternoon Session

Shock of water ram in pipe lines with imperfect reflection at the discharge end and including the effect of friction and non-uniform change of valve opening: WILLIAM F. DURAND.

Recent notable progress in the theory of numbers: LEONARD E. DICKSON.

Geodesics and relativity: EDWARD KASNER.

The use of alternating currents for submarine cable transmission (introduced by G. O. Squier): F. E. PERNOT.

Improvements in telegraphy: GEORGE O. SQUIER.

The air resistance of spheres: LYMAN J. BRIGGS.

The possibilities of the rocket in weather forecasting: ROBERT H. GODDARD.

The distribution of land and water on the earth: H. FIELDING REID.

The alterations of limestones in contact-metamorphism: WALDEMAR LINDGREN.

Structure of Marrella and allied middle Cambrian crustaceans: CHARLES D. WALCOTT.

On a single numerical index of the age distribution of a population (by title): RAYMOND PEARL.

Biographical memoir of George Jarvis Brush (by title): EDWARD S. DANA.

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