

Molluscan Fauna of Michigan: MR. BRYANT WALKER.

16. *Distoma Patalosum*; A Parasite of the Crayfish: MR. C. H. LANDER.

17. *Bacteria and the Dairy*: PROF. C. D. SMITH.

18. *Tendencies in Michigan Horticulture*: MR. A. A. CROZIER.

19. *Futile Experiments for the Improvement of Agriculture*: DR. MANLY MILES.

THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA.

PROFESSOR DANIEL G. BRINTON is giving a course of six lectures, entitled *A Survey of the Science of Man*, on Mondays, January 28, February 4, 11, 18, 25, and March 4, 1895, in the Lecture Hall of the Academy.

The lectures are:

1. *The Physical Faculties of Man.*
2. *The Mental Faculties of Man.*
3. *The Social Faculties of Man*
4. *The Artistic Faculties of Man*
5. *The Religious Faculties of Man.*
6. *The Progress of the Race.*

GEOLOGICAL SOCIETY OF WASHINGTON.

FEB. 13.

Discussion of Field Methods: (1) *How do you determine the Thickness of Strata?* Symposium opened by MR. G. K. GILBERT. General discussion is invited.

Rapid Section Work in Horizontal Rocks: MR. M. R. CAMPBELL.

Newly Discovered Dyke near Syracuse, N. Y.: MESSRS. N. H. DARTON AND J. F. KEMP. WHITMAN CROSS, *Secretary*.

PHILOSOPHICAL SOCIETY OF WASHINGTON.

FEB. 16.

Biographical Sketch of James Clarke Welling: MR. J. HOWARD GORE.

Biographical Sketch of Robert Stanton Avery: MR. L. D. SHIDY.

Biographical Sketch of Garrick Mallery: MR. ROBERT FLETCHER.

The Central American Rainfall: MR. MARK W. HARRINGTON.

WILLIAM C. WINLOCK, *Secretary*.

FORTNIGHTLY SCIENTIFIC CLUB IN THE UNIVERSITY OF MINNESOTA.

Jan. 19, 1895.

The Vivisection of Plants: MR. D. T. MACDOUGAL.

Is Man Woman's Equal? The Zoölogist's answer and some of its consequences: PROFESSOR H. F. NACHTRIEB.

Feb. 2, 1895.

The Departure of the Ice Sheet from Lake Superior and the more Eastern Laurentian Lakes: MR. WARREN UPHAM.

Some Things People Ought to Know About Micro-Organisms: DR. CHAS. N. HEWETT.

Feb. 16, 1895.

The Detection of Star Motions in the Line of Sight: PROFESSOR J. F. DOWNEY.

The Constitution of Matter: DR. G. B. FRANKFORDER.

SCIENTIFIC JOURNALS.

THE AMERICAN NATURALIST, FEB.

The Philosophy of Flower Seasons, and the Phenological Relations of the Entomophilous Flora and the Anthophilous Insect Fauna: (Illustrated.) CHARLES ROBERTSON.

Insanity in Royal Families; A Study in Heredity: ALICE BODINGTON.

The Significance of Anomalies: THOMAS DWIGHT, M. D., LL. D.

Editor's Table; Recent Literature; Recent Books and Pamphlets.

General Notes; Geography and Travels; Mineralogy; Petrography; Geology; Botany; Zoölogy; Entomology; Embryology; Archaeology and Ethnology; Microscopy: On a New Method of Entrapping, Killing, Embedding and Orienting Infusoria and other very small Objects for the Microtome. (Illustrated.)

Proceedings of Scientific Societies; Scientific News.

THE JOURNAL OF THE AMERICAN CHEMICAL
SOCIETY, FEB.

- A Modified Arrangement of the Elements Under the Natural Law*: F. P. VENABLE.
The Determination of Potash in Kainite: RUDOLPH DE ROODE.
The Oxidation of Organic Matter and the Decomposition of Ammonium Salts by Aqua Regia, in Lieu of Ignition, in the Determination of Potash in Fertilizers: RUDOLPH DE ROODE.
On Certain Phenomena Observed in the Precipitation of Antimony from Solutions of Potassium Antimonyl Tartrate: J. H. LONG.
An Examination of the Atmosphere of a Large Manufacturing City: CHARLES F. MABERY.
A New Form of Water-Oven and Still: LEWIS WILLIAM HOFFMANN and ROBERT W. HOCHSTETTER.
The Determination of Nickel in Nickel-Steel: E. D. CAMPBELL and W. H. ANDREWS.
The Volumetric Determination of Phosphorus in Steel and Cast Iron: W. A. NOYES and J. S. ROYSE.
The Contribution of Chemistry to the Methods of Preventing and Extinguishing Conflagration: THOMAS H. NORTON.
The Action of Organic and Mineral Acids Upon Soils: HARRY SNYDER.
New Books.

THE JOURNAL OF GEOLOGY, JAN.-FEB.

- The Basic Massive Rocks of the Lake Superior Region. IV.*: W. S. BAYLEY.
A Petrographical Sketch of Ægina and Methana. Part II.: HENRY S. WASHINGTON.
Lake Basins Created by Wind Erosion: G. K. GILBERT.
On Clinton Conglomerates and Wave Marks in Ohio and Kentucky: AUG. F. FOERSTE.
Glacial Studies in Greenland. III.: T. C. CHAMBERLIN.
Studies for Students:
Agencies which Transport Materials on the Earth's Surface: ROLLIN D. SALISBURY.
Editorials; Publications; Notes.

THE AMERICAN GEOLOGIST, FEB.

- George Huntington Williams*: JOHN M. CLARK. (Portrait.)
The Geological History of Missouri: ARTHUR WINSLOW.
A New Cretaceous Genus of Clypeastridae: F. W. CRAIGIN.
Further Observations on the Ventral Structure of Triarthrus: C. E. BEECHER.
The Second Lake Algonquin: F. B. TAYLOR.
Editorial Comment.
Review of Recent Geological Literature.
Recent Publications.
Correspondence.
Personal and Scientific News.

THE BOTANICAL GAZETTE, FEB.

- New or noteworthy Compositae from Guatemala*: JOHN M. COULTER.
A preliminary paper on Costaria, with description of a new species: DE ALTON SAUNDERS.
Notes on our Hepaticae. III.: LUCIEN M. UNDERWOOD.
The flora of Mt. Mansfield: W. W. EGGLESTON.
Briefer Articles.
Editorial; Current Literature; Open Letters; Notes and News.

NEW BOOKS.

- Missouri Botanical Garden. Fifth Annual Report.* St. Louis, Mo., Board of Trustees. 1894. Pp. 166.
The Great Ice Age. JAMES GEIKIE. New York, D. Appleton & Co. 1895. 3d Edition. Pp. xxviii+850. \$7.50.
The Pygmies. A. DE QUATREXAGES. Translated by FREDERICK STARR. New York, D. Appleton & Co. 1895. Pp. xiv+255. \$1.75.
Annals of the Astronomical Observatory of Harvard College. Vol. XXXII., Part I. Investigations in Astronomical Photography. WILLIAM H. PICKERING. Cambridge, Mass., the Observatory. 1895. Pp. 115.