

AYDELOTT, WM. T. Report of Commissioner of Maryland for Surveying and Marking the Boundary Line between the States of Maryland and Virginia. Annapolis, 1884. 22 pp.

Md. House and Senate Doc., 1884, K.

BROWN, T. Report of T. Brown, Inspector of Mines for Allegany and Garrett counties. Annapolis, 1884. 64 pp.

Md. House and Senate Doc., 1884, D.

CHESTER, FREDERICK D. • The Quaternary Gravels of Northern Delaware and Eastern Maryland, with map.

Amer. Jour. Sci., 3rd ser., vol. xxvii, 1884, pp. 189-199.

The author divides the formations into the Philadelphia Clay and the Red Gravels and concludes that at the close of the Glacial period the land was depressed at least 350 feet.

——— Preliminary notes on the Geology of Delaware—Laurentian, Paleozoic, and Cretaceous Areas.

Proc. Acad. Nat. Sci., Phila., vol. xxxiv, 1884, pp. 237-259.

This paper describes the area adjoining Maryland and shows the relationship of the Maryland deposits to those of New Jersey.

CLARKE, F. W. Report of work done in the Division of Chemistry and Physics. 1883-84.

Bull. U. S. Geol. Survey No. 9, Washington, 1884, p. 9.

Also House Misc. Doc., 48 Cong., 2nd Sess., vol. xvi, No. 41.

Analysis by T. M. Chatard of gahnite from near Colesville, Montgomery county.

FRAZER, P., JR. The Peach Bottom Slates of Southeastern York and Southern Lancaster Counties.

Trans. Amer. Inst. Min. Eng., vol. xii, 1884, pp. 355-358. Plates and section.

(Abst.) Amer. Jour. Sci., 3 ser., vol. xxix, 1884, p. 70.

Discussion of a section along the Susquehanna river northward from the Maryland line. Also a letter from Prof. James Hall regarding the probable age of the slates, which he considers are either the Hudson river or the Quebec group from the presence of forms allied to *Holymenites*, *Lamnantes lagranger* and *graptolithus*.

——— An Hypothesis of the Structure of the Copper Belt of the South Mountain.

Trans. Amer. Inst. Min. Eng., vol. xii, 1884, pp. 82-90, map.

GANNETT, HENRY. A Dictionary of Altitudes in the United States.

Bull. U. S. Geol. Survey No. 5, Washington, 1884, pp. 129-132.

House Misc. Doc., 48th Cong., 2nd sess., vol. xvi, No. 41.

A large number of altitudes is given.

HEILPRIN, ANGELO. Contributions to the Tertiary Geology and Paleontology of the United States. 4to. 117 pp., map. Phila. 1884.