

LESLEY, J. P. [On *Orthoceras* from Frazer Point on the Susquehanna.]

Proc. Amer. Phil. Soc., vol. xvii, 1878, p. 312.

LOWDERMILK, WILL H. History of Cumberland, [etc.] with maps and illustrations, by Will H. Lowdermilk. 8°. Washington, D. C., 1878.

RUSSELL, I. C. The Physical History of the Triassic Formation of New Jersey and the Connecticut Valley.

Annals N. Y. Acad. Sci., vol. i, No. 8, 1878, pp. 220-254.

(Review) Amer. Jour. Sci., 3rd ser., vol. xvii, pp. 328-330, J. D. Dana.

The author concludes that "the detached areas of Triassic rocks occurring along the Atlantic border from New England to North Carolina seem fragments of one great estuary formation now broken up and separated through the agency of upheaval and denudation."

STEVENSON, JOHN J. On the Surface Geology of Southwest Pennsylvania, and adjoining portions of Maryland and West Virginia.

Amer. Jour. Sci., 3rd ser., vol. xv, 1878, pp. 245-250.

He distinguished twenty horizontal benches and river terraces ranging in elevation from 580-1100 feet above the sea, which he regards as "sea beaches marking stages of the withdrawal of the ocean." No specific localities are given in Maryland.

——— The Upper Devonian Rocks of Southwest Pennsylvania.

Amer. Jour. Sci., 3rd ser., vol. xv, 1878, pp. 423-430.

Includes brief reference to the Devonian of the Alleghany and Negro mountains in Maryland, pp. 425-426.

1879.

ANON. Review of the Coal Trade of 1878.

Eng. and Min. Jour., vol. xxvii, 1879, pp. 1-10.

Output of the Cumberland coal fields for 1876, '77, '78.

BLANDY, J. F. The Lake Superior Copper rocks in Pennsylvania.

Trans. Amer. Inst. Min. Eng., vol. vii, 1879, pp. 331-339.

A correlation based on two days' work, which is sharply criticised by T. Sterry Hunt, who regards the rocks as Huronian and not Keweenaw, and by Persifor Frazer, who claimed that the "porphyry shows no character of igneous action."

CAIN, PETER. Second Annual Report of Peter Cain, Inspector of Mines. Annapolis, 1878. 8vo. 16 pp.

Gives workings and conditions of the mines for the year.

FONTAINE, W. M. Notes on the Mesozoic of Virginia.

Amer. Jour. Sci., 3rd ser., vol. xvii, 1879, pp. 25-39, 151-157, 229-239.

Distinguishes seven different belts, two or three of which extend across Maryland, dipping usually to the southeast. Considers the "Potomac marble" boulders to have