

WHITNEY, MILTON. Soil Investigations.

4th Ann. Rept. Md. Agri. Exper. Sta. College Park, pp. 249-296.

General discussion of methods and a classification of the soils based on study of samples from various parts of Maryland.

——— On the structure and Some Physical Properties of Soils.

Johns Hopkins Univ. Cir. No. 90, vol. x, 1891, pp. 123-125.

Shows that the exhaustion of soils is physical rather than chemical and that the action of ammonia and lime affects the state of aggregation of the soils.

WILLIAMS, G. H. Administrative Report. Report of Work done on the Piedmont Crystallines.

In McGee's Administrative Report.

11th Ann. Rept. U. S. Geol. Surv., 1889-90, part i, Washington, 1891, pp. 66-68.

——— Administrative Reports. Report of work done on the crystalline and semi-crystalline rocks of Maryland during 1890-91.

12th Ann. Rept. U. S. Geol. Surv., 1890-91, part i, Washington, 1891, pp. 73-74.

——— Petrography and Structure of the Piedmont Plateau in Maryland.

Bull. Geol. Soc. Amer., vol. ii, 1891, pp. 301-318, plate xii.

Covers in a general way the physiography, petrography and structure. The paper is accompanied by geological map and sections. In the discussion following the author mentions Triassic fossils from near Frederick and Utica Mills.

——— [On Transition of Crystalline and semi-crystalline rocks in Maryland.]

Bull. Geol. Soc. Amer., vol. ii, 1891, pp. 223-224.

During discussion of Prof. Pumpelly's paper on "The relation of secular Rock disintegration to certain Transitional Crystalline schists," Williams alludes to the contact between the two series as an illustration of a contact obscured by similarity in material and subsequent metamorphism.

——— The geological excursions by University students across the Appalachians in May, 1891.

Johns Hopkins Univ. Cir. No. 94, vol. xi, 1891, pp. 25-27.

Gives structural and columnar sections with an itinerary of trip.

——— Anglesite, Cerussite, and Sulphur from the Mountain View Lead Mine, near Union Bridge, Carroll Co., Maryland.

Johns Hopkins Univ. Cir. No. 87, vol. x, 1891, pp. 73-75.

Includes brief account of surrounding geology and figures numerous crystals.

WILLIAMS, H. S. Correlation Papers—Devonian and Carboniferous.

Bull. U. S. Geol. Surv. No. 80, 1891.

House Misc. Doc., 52nd Cong., 1st sess., vol. xix, No. 24.