

Further investigation was given to the crystalline rocks of Maryland by Dr. Williams during 1890. An article upon "The non-feldspathic Intrusive Rocks of Maryland and the Cause of their Alteration"¹ was published during the year.

An important "Discovery of Fossils in the Limestone of Frederick County, Maryland"² was made by Charles R. Keyes, a student of the Geological Department, which aided greatly in the elucidation of the stratigraphy of the western portion of the Piedmont belt.

A former student, Professor W. H. Hobbs of the University of Wisconsin, presented a paper to the Wisconsin Academy of Sciences in 1890 "On some Metamorphosed Eruptives in the Crystalline Rocks of Maryland,"³ in which the work which had been carried on under the auspices of the University was described.

In the spring of 1891 Dr. Clark organized a scientific expedition in co-operation with members of the United States Geological Survey and the Maryland Agricultural College for the study of the physical features of southern Maryland. The party comprised twenty-five members, representing the United States Geological Survey and other institutions both within and without the state. An extended account of this trip was published by the University.⁴ About this time a memoir by Dr. Clark upon "The Eocene of the United States"⁵ appeared among the publications of the United States Geological Survey, in which the results of his researches upon the Eocene of Maryland found a place.

Professor Williams continued his observations upon the crystalline rocks of the Piedmont Plateau during 1891, accounts of which are found in the Administrative Reports of the Director of the United States Geological Survey. A paper read before the Geological Society of America the previous winter upon "Petrography and Structure of the Piedmont Plateau in Maryland,"⁶ and one by Mr. Keyes upon "A

¹ Amer. Geol., vol. 6, 1890, pp. 35-49.

² Johns Hopkins Univ. Circ. No. 84, vol. x, 1890, p. 32.

³ Trans. Wisconsin Acad. Sci., vol. viii, pp. 156-160.

⁴ Johns Hopkins Univ. Circ. No. 89, vol. x, 1891, pp. 105-109.

⁵ Bull. U. S. Geol. Surv. No. 83, 1891, pp. 43-45, 80, 86-87.

⁶ Bull. Geol. Soc. Amer., vol. ii, 1891, pp. 301-318.