

The extended studies which Professor Ward had made of the Potomac formation during the past few years had thrown much light on the stratigraphy and fauna of the formation. In order to present these results, Professor Ward prepared a paper entitled "The Potomac Formation" for the report of the United States Geological Survey for 1893-94.¹

This was followed by a paper entitled "Some Analogies in the Lower Cretaceous of Europe and North America," prepared for the report of the same survey for 1894-95.² In this paper Professor Ward compares the Potomac formation of Maryland and its extension with European Lower Cretaceous formations. He figures the cycads found in Maryland.

Some attention has been given by the survey to the collection of fossil bones from the Potomac formation.

In 1886-87 Mr. J. B. Hatcher, working under the direction of Professor O. C. Marsh, examined the clays in the iron mines near Beltsville, Maryland, and found a number of vertebrate remains and Sequoia cones. These remains were described by Professor Marsh in a paper entitled "Notice of a New Genus of Sauropoda and other New Dinosaurs from the Potomac Formation."³

In October, November and December, 1887, Mr. Hatcher, under the direction of Professor Marsh, made a further examination of the Potomac formation between Washington and Baltimore and obtained some additional vertebrate remains.

The stratigraphy and paleontology of the Eocene deposits of Maryland and Virginia were very fully investigated by Professor Clark during the years 1888-92 for his memoir on "The Eocene Deposits in the Middle Atlantic Slope in Delaware, Maryland and Virginia," which appeared in 1896.

Numerous short trips have been made by members of the survey to collect molluscan remains from the marine Cretaceous, Pamunkey

¹ Fifteenth Ann. Rept. U. S. Geol. Survey, 1895, pp. 307-397, pls. 2-4.

² Sixteenth Annual Rept. U. S. Geol. Survey, 1896, pp. 463-542, pls. 97-107.

³ Am. Jour. Sci., 3d series, vol. 35, 1888, pp. 89-94.

⁴ Bull. U. S. Geol. Survey No. 141, 1896, 167 pp., 40 pls.