

scribed. Winsor's<sup>1</sup> history of America, which was published in the same year, contains very interesting notes on the gradual recognition of the resources and physical features of the state.

The continued work of Professor Hall upon the paleontology of the Paleozoic deposits found expression in Volume VII of the Paleontology of New York, which was published in 1888. This report contains descriptions and figures of many forms from Cumberland and vicinity.

The investigations of Professor Uhler which were carried on throughout this period have already been briefly referred to. In 1888 he presented two articles of significance, one dealing with "The Albirupean Formation and its nearest relatives in Maryland"<sup>2</sup> and the other containing a "Sketch of the History of the Maryland Academy of Sciences."<sup>3</sup> Further contributions were made by Professor Uhler<sup>4</sup> to the geology of Maryland between the years 1889 and 1892.

During the latter year Mr. J. T. Scharf published a statistical and popular account of the natural resources and advantages of Maryland.

Very little work has been done during later years by private interests in the study of the geology and mineral resources of the state. The great advance which has been made in our knowledge of Maryland has been accomplished through the official agencies, which will be described in the following pages.

#### GEOLOGICAL INVESTIGATIONS CARRIED ON UNDER THE AUSPICES OF THE JOHNS HOPKINS UNIVERSITY.

The organization of the Johns Hopkins University in 1876 upon the foundation left by Johns Hopkins of Baltimore, who had died in 1873, inaugurated a new period of scientific activity in Maryland that has meant much for the material advancement of the state. The laboratories of the University were equipped for the study of the broadest problems of scientific inquiry; and at the same time the authorities

<sup>1</sup> Narrative and Critical History of America, vol. iii, pp. 127-169, 517-562.

<sup>2</sup> Proc. Amer. Phil. Soc., Phil., vol. xxv, 1884, pp. 42-53.

<sup>3</sup> Trans. Md. Acad. Sci., vol. i, pp. 1-10.

<sup>4</sup> Trans. Md. Acad. Sci., vol. i, pp. 11-32, 45-72, 97-104, 185-204.