

Stratigraphy of Portage Formation between the Genesee Valley and Lake Erie. 1 map. By D. Dana Luther

Stratigraphy of Becraft Mountain, Columbia County, N. Y. 1 map, 2 sections. By Amadeus W. Grabau

A New Eurypterid Fauna from the Base of the Salina of Western New York. 21 litho. pl. By Clifton J. Sarle

Preliminary Observations on the Cobleskill (Coralline) limestone of New York. 2 pl. 1 map. By C. A. Hartnagel

Disturbed Fossiliferous Rocks in the Vicinity of Rondout N. Y. 13 pl. By Gilbert van Ingen and P. Edwin Clark

Torsion of the Lamellibranch Shell. 1 pl. By John M. Clarke

Some Devonian forms. 2 litho. By John M. Clarke

The labor necessary to preparing the publications above listed has been an essential part of the office duties of all members of the staff. We look on the outcome of the year in this regard as fruitful and satisfactory but as in nowise lessening the sum of the problems still before us.

I have added to this report a detailed discussion of the Lower Devonian rock section at Port Jervis prepared by Prof. H. W. Shimer of the Massachusetts Institute of Technology. The paper has features of special interest in the analysis of the faunas of the Port Ewen beds and the Oriskany limestone of Trilobite mountain.

Investigations in progress

Correlation study of the Helderberg, Oriskany and Grande Grève faunas. These investigations have progressed as opportunity has afforded and the work is near completion. The richness of the Grande Grève and Percé fauna in comparison with those of the New York Helderberg and Oriskany will make the faunal lists extensive, and the close analysis indicates variations due to different physical conditions, which in the fauna of a single geographic province might escape notice. The problems presented by this study are not merely those of the constitution of a fauna or certain allied faunas but rather the variations due to distribution or occurring in the dissemination of the fauna. Necessarily involved therewith is the interpretation of the paleogeography of the early Devonian of eastern America and incidental thereto the local geology of points both in New York and Gaspé. It is hoped to complete this work in course of the present year.