

10° northwardly, are the home of a great profusion of fossils many of which are common to the upper or Grande Grève limestones of Cape Gaspé.

As to the essential concurrence of these faunas in a broad sense there can be no question but the careful comparison of them leaves room for doubt whether the actual horizon of the Percé rock is represented in the series at Grande Grève. Inasmuch as the rock succession of Cape Gaspé is constant as far as it extends there is room for the provisional suggestion that the horizon of the Percé rock with the precise expression of its fauna is there modified, but indicates an early stage of the Grande Grève limestones. Percé rock is not divisible faunally and its strata show no persistent differences. They are indifferently yellow and red according to degree of oxidation, and the process of color change, irrespective of sedimentation lines or structural features, is everywhere finely marked. They are highly veined with calcite seams, and the yellows seem, if anything, to predominate on the south, the reds on the north. Mr Ells speaks of their containing interleaved conglomerates but of such we have seen nothing. We may not at this time give a statement of exact or final determinations of its species, but the following suffices to indicate the character of the fauna. To these we shall hope to return in future with the detailed comparisons needful to ascertain the organic and time relations of this fauna to those of the New York series. Such species as are here indicated with unfamiliar names will be fully defined and illustrated hereafter.

*Aulopora sp.*

*Lingula rectilatera Hall.* As in the Helderberg of New York

*L. spathata Hall.* In the New York Helderberg

*L. elliptica nov.*

*Orbiculoidea nov. cf. grandis Hall.* New York Oriskany

*Pholidops terminalis Hall.* Also in New York Oriskany

*Crania grandegrevensis nov.*

*Leptaena rhomboidalis Wilckens.* New York Oriskany

*Brachyprion majus Clarke.* Oriskany

*Stropheodonta lincklaeni Hall.* Oriskany

*Leptostrophia magnifica Hall.* As in the Oriskany of New York