

appears not to have been noticed previously in species of this genus and which is well shewn in some specimens of *P. Billingsi* in the collection is apparently somewhat analogous to that which is seen in some species of the genus *Arachnophyllum*.

*Locality and formation.*—Corniferous formation of Ontario; Indian Cove, Gaspé, in the Gaspé limestone, No. 8 (Oriskany formation), collected by R. Bell in 1862; also three loose specimens from the Devonian area south of Hudson Bay, collected by R. Bell in 1877 at Long Portage, Missinaibi River to Moose Factory. Of the Long Portage specimens one has corallites of average size but the other two have corallites and calicinal pits that are considerably larger than those of specimens usually assigned to this species and approach in size those of the smaller forms of *P. Billingsi*. Measurements taken from the two last mentioned specimens give the following results—diameter of calyces from 17 to 20 mm., diameter of central pits 6 or 7 mm. In all three specimens the septa number from about forty to forty-four and the pore-openings can be detected in natural transverse sections.

Mr. Whiteaves records\* the occurrence of this species in the Hamilton formation on the authority of Mr. Schuchert who collected a good specimen of it at Bartlett's Mills in 1895,

CHONOPHYLLUM NYMPHALE, Billings, sp.

*Cyathophyllum nymphae*, Billings. 1862. Geol. Surv. Canada, Palæoz. Fossils, vol. I, p. III.

Corallum simple, short, broadly expanded, concave on the lower surface, convex above; dimensions of the type and only specimen known, height at centre 4 cent., breadth about 9 cent. Basal surface apparently provided with an epitheca. Calyx shallow, convex at the centre, with broadly expanding reflexed margins exhibiting about eighty low, rounded septal ribs that increase in breadth outwardly. In a radial section a central area, about 1 cent. in breadth, is disclosed; it is made up of small slightly convex plates arching upward and inward so as to form

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\*Geol. Surv. Canada, Contr. Canad. Palæont., vol. 1, pt. v, p. 365.