

THE OTTAWA NATURALIST.

VOL. XII.

OTTAWA, MARCH, 1899.

No. 12.

ON SOME SPECIES OF CANADIAN PALÆOZOIC CORALS.

By LAWRENCE M. LAMBE, F. G. S.

(Continued from p. 226.)

To the notes on Canadian fossil corals published in the preceding part of this volume are added the following, with descriptions of two species that are regarded as new.

CYATHOPHYLLUM ANTICOSTIENSE, Billings.

Cyathophyllum Anticostiense, Billings. 1862. Geol. Surv. Canada, Palæoz. Fossils, vol. I, p. 109.

" *solitarium*, Billings. 1866. Geol. Surv. Canada, Cat. Silur. Foss. Anticosti, p. 93.

Corallum simple, of moderate size, cylindro-turbinate, straight or very slightly curved, broadest near the upper end, attaining a length of about 18 cent. with a maximum diameter of over 6.5 cent. Epitheca very thin, preserved only in small patches, shewing indications of the structure beneath. Calyx rather shallow, its sides expanding outward in a gentle convex curve. Internally there is present a narrow tabulate zone, about one-fourth the diameter of the corallite, with a broad combined vesicular and septate zone surrounding it. Tabulæ thin, numerous, inosculating, in some coralla bent down at the margin, eight or ten occurring in a space of 5 mm. Septa straight, numbering from about one hundred to one hundred and twenty, of two definite lengths alternating with each other, one half reaching the centre of the visceral chamber, the remainder stopping short of the tabulæ, becoming weak and subordinate to the dissepiments near the periphery. Dissepiments strongly