

The only other fossil Cephalopoda collected on the Attawapiskat by Dr. Bell are (1) a rough cast of the interior of part of the shell of a slender, longicone orthoceratite; and (2) a fragment of the mould of the exterior of a large straight, subcylindrical shell, shewing four distant linear longitudinal grooves; both from Rainy Island.

A 2.—FROM THE EKWAN* RIVER.

COLLECTED BY MR. D. B. DOWLING IN 1901.

The fossils from this and the next locality have been enumerated or described in Appendix I to Mr. Dowling's "Report on an exploration of Ekwan River, Sutton Mill Lakes, and part of the west coast of James Bay," which forms Part F of vol. XIV of the Annual Report of this Survey, published in October, 1904. Most of the letter press which relates to these fossils is reprinted from that Appendix, but the twenty three new species described therein are here illustrated for the first time.

Commencing at thirty-five miles from its mouth, there are five exposures of limestone on the Ekwan, from which these fossils were collected. These exposures are scattered over an interval in which the last is forty miles from the first, and are as follows.

Lower rapid.

Middle rapid.

Foot of portage road.

Portage road at falls.

Upper rapid.

Although these limestones are flat lying and presumably gradually ascending, they seem to hold much the same kind of fossils.

ANTHOZOA.

TETRACORALLA.

ZAPHRENTIS STOKESI, Edwards and Haime.

Portage road at falls, two specimens; and upper rapid, one specimen (Lambe).

PYCNOSTYLUS GUELPHENSIS, Whiteaves.

- Pycnostylus Guelphensis*, Whiteaves 1884. This volume, pt. i, p. 3, pl. 1, figs. 1, 1a and 1b; and (1895) pt. ii, p. 49.
 " " Lambe 1900. Contr. Canad. Paleont., vol. IV, pt. ii, p. 132, pl. 10, figs. 4 and 4a.

Foot of portage road, one specimen; and portage road at falls, one specimen (Lambe).

*Formerly written "Equan."