

Elora by Mr. David Boyle in 1880, and at Durham by Mr. Joseph Townsend in 1884.

STROMATOPORA ANTIQUA, Nicholson and Murie.

*Pachystroma antiqua*, Nicholson and Murie. 1878. Journ. Linn. Soc., Zool., vol. XIV., p. 224, pl. 4, figs. 2-5.

*Stromatopora antiqua*, Nicholson. 1886. Mon. Brit. Stromatop., pt. 1, p. 17, pl. 5, figs. 8-11.

The types of this species were collected by Professor Nicholson from the Niagara limestone at Thorold, and there is a single specimen in the Museum of the Geological Survey at Ottawa, which was collected from the Guelph formation at Durham, by Mr. Townsend in 1884.

STROMATOPORA GALTENSIS, Dawson. (Sp.)

*Cænostroma Galtense*, Dawson. 1875. Life's Dawn on the Earth, p. 160: and, 1879, Quart. Journ. Geol. Soc. Lond., vol. XXXV., p. 52.

*Stromatopora Galtensis*, Nicholson. 1891. Mon. Brit. Stromatop., pt. 3, p. 173.

Hespeler, T. C. Weston, 1867: one specimen. Professor Nicholson, who has examined a portion of this specimen, says (op. cit.) that its minute structure "is practically destroyed by dolomitization, but all its general characters would lead to the belief that it is very closely related to *Stromatopora typica*, Rosen, and is probably identical with it." He further states that *Cænostroma constellatum* of Spencer, from the Niagara limestone near Hamilton, does not appear to be in any way distinguishable as regards its general characters from *C. Galtense*, Dawson, and that he is "strongly disposed to think that it is really identical with *S. typica*, Rosen. If the above view should prove to be correct, then *Cænostroma Galtense*, Dawson, and *C.*