was obtained at Galt ; the Geological Survey had, at one time, a specimen from Hespeler. The specimens on which the present description is based are from Elora and Durham.

STROMATOPORA ANTIQUA, *Nicholson and Murie*

PACHYSTROMA ANTIQUA, *Nich. and Murie*, Jour. Linn Soc., vol xiv, p. 224, pl. 4, figs 2-5, 1879.
STROMATOPORA ANTIQUA, *Nicholson*, Mon. Brit. Strom., pt. 1, p. 17, pl 5, figs. 8-11, 1886.
STROMATOPORA ANTIQUA, *Nicholson*, Ann and Mag. Nat. Hist., p. 310, pl iii-x, April, 1891.
STROMATOPORA ANTIQUA, *Whiteaves* Pal Fossils, vol. iii, pt. ii, p. 53, 1895
STROMATOPORA ANTIQUA, *Whiteaves*, Can. Rec. Sci., vol vii, No 3, p. 136, July, 1896.
STROMATOPORA ANTIQUA, *Whiteaves*, Pal Fossils, vol. iii, pt. iv, p. 328, 1906

Stromatopora antiqua is a Niagara species of very doubtful occurrence in the Guelph. A careful examination of a large number of specimens which might provisionally be placed here has resulted in no certain identification of the species. Many large hemispherical Stromatoporoids occur, which in the general shape of the coenosteum and in the distinct latilaminar structure conform to the description of *S. antiqua*. In every instance the minute structure is entirely destroyed. Professor Nicholson states (Ann. and Mag. Nat. Hist., op. cit.) "A poorly preserved specimen in dolomitic limestone of Niagara age from Durham, Ont., may also *possibly belong to this species.*" A description of *S. antiqua* will be deferred until the Niagara forms are revised.

STROMATOPORA, *sp. indet.*

There is no doubt that a species of true *Stromatopora* differing from *S. galtensis* or *S. antiqua* is present but the preservation is so poor that it would be rash to attempt a description. The coenosteum seems to be composed of coarsely porous fibre through which run large open canals. No attempt to obtain sections was at all satisfactory, for, although cuts were made in numerous directions it seemed impossible