

any trace of this fossil in beds higher than those from which Tyrrell originally reported it. Loose slabs of the dolomite from this bed, which are crowded with *C. decussatus*, may be found in the drift throughout the Grand Rapids district. It is particularly abundant in large, loose slabs in the bed of the stream flowing out of the old cut-off channel. Other specimens, evidently transported by glacial action, were observed on the high ridge west of Grand Rapids village. These slabs suggest a northerly extension of this bed in which *C. decussatus* is as abundant as it is in the river section. *C. decussatus* greatly predominates in the number of individuals over all the associated species combined. Other species are in fact scarce in this bed. The following species have been recognized in this fauna:

Sponge spicules.

Favosites niagarensis Hall.

Halysites attenuatus L.¹

Alveolites niagarensis Rominger.¹

Lyellia papillata Rominger.¹

Stropheodonta sp.

Orthis cf. *flabellites* Foerste.

Conchidium decussatum Whiteaves.

Euomphalus sp.¹

Diaphrostoma sp.

Trochonema sp.

Bed (f) of the section is the lowest accessible bed near the head of the rapids. Fossils are common in this bed but not easily obtainable in a determinable condition. The collection from bed (f) includes:

Stromatopora sp.

Favosites sp.

Zaphrentis sp.

Meristina? sp.

Stropheodonta sp.

¹ Species recorded from this bed by Tyrrell, Geol. Surv. Can., Ann. Rep. Vol. V, p. 147E, (1893) not collected by the writer.