

he discusses the possibility of their being of the nature of *Caunopora*. The net like character of the coenosteum, and the existence of more or less distinct laminae removes the species from *Labechia*, even if the tubes are not really hollow. (It is always possible that this appearance is the result of mineralization.) It is certainly not to be placed under *Actinostroma* as there is no sign of the hexactinellid arrangement of the horizontal bars and the resulting angular network. If my conclusions are correct we have in this species the first recorded *Hermatostroma* in America and also the first in the Silurian. Out of a large collection only two specimens were found, both from Elora ; it may therefore be concluded that *Hermatostroma guelphica* is a rare form.