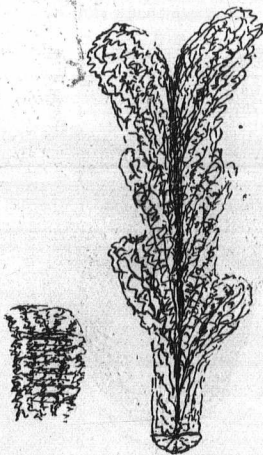


## HAMILTON SPONGES.

BY A. E. WALKER.

During the winter I have had a number of our Silicious sponges cut and polished in order to get a more perfect understanding of their skeletal structure, and to work out the form of the spicules. They have been sent to Professors Zittle and Rauff, of Bonn, Germany, who are writing a special work on these forms, which will be beautifully illustrated. All the Niagara sponges will be classified, and those not named will be described and named. The plates following illustrate a few of the pronounced forms.



NO. 1.

No. 1.—This plate gives a vertical section of one of the *Aulocopina*, showing the osculum from the upper opening to where it is broken at the base.