

little water supplied at intervals and feeding small larvæ of flies have been his only care.

"The adults, because of their peculiarities in respiration and the consequent necessity of keeping their skin moist, cannot be kept either in water or a dry atmosphere, but may easily be kept for months in an ordinary fernery where the atmosphere is constantly saturated with moisture."

The adults here exhibited have been kept since Christmas, 1899, in a small fernery made for the purpose 10" x 10" x 14" holding a shallow zinc tray one half of which is planted with the ordinary greenhouse plant called *Lycopodium*, the other is coarse sand and gravel; in this sand a small dish is sunk level containing water. This miniature tank is an aquarium on a small scale and contains small stones, gravel and sand, *Anacharis* and *Spirogyra*, and furnishes a suitable abode for some small larvæ. It supplies at the same time sufficient moisture for the adults and for the *Lycopodium*. A glass cover must be kept at all times over the fernery to prevent the escape of the captives, who seem to require little food. Mine have had some larvæ of flies occasionally put in the small tank; no other attention has been given them.

ZOOLOGICAL NOTES.

I. THE SQUID, IN ST. JOHN HARBOUR, SEPT. 2, 1899.

While in the City of St. John, N.B., I had the privilege to witness a sight which was both unusual and interesting, and, in my estimation, worthy of record. On the morning of September 2nd, 1899, the harbour of St. John, in many of its approaches and shores was visited or literally infested with an unprecedentedly large school of Squids (*Ommatostrephes illecebrosa*, LeSueur). This is the common "squid" of the Gulf of St. Lawrence, Newfoundland and North Atlantic waters, generally used by fishermen as bait in the cod fishery, and belongs to the section-*Decapoda* of the *Cephalopoda dibranchiata*. My attention was first called to the occurrence of this creature by a number of small boys who had in their possession a number of narrowly elongate and transparent or hyaline shafts or arrow-like pens about nine inches in length.