

Dytiscus), into my aquarium several times, but I found that they were given to roam by night; rising to the surface they would unfold the gauzy wings encased under the horny covering and take flight from the water, and would be found next morning somewhere about the room if there was no outlet, or attention would be called to their escape, from their flying about the room like a small bat. I may state here that it is not unusual to find these insects on our sidewalks at the foot of an electric light pole, to which they seem attracted by the glare. There is another Beetle (a species of *Acilius*) with a bronze casing, which is an interesting object, from its rapid motion and apparent game of hide and seek from stone to stone.

A few years ago, a specimen of *Menobranchus*, that curious batrachian with gills and breathing tubes protruding therefrom, was offered to me by a boy who had caught it whilst fishing in our Rideau Canal. Repulsive looking as these creatures are, I would have liked to have studied his habits, but the reptile had been so bruised that it was too far gone to make use of, and I have never since had an opportunity of obtaining one. These animals are numerous in the waters of the Ottawa, and are not unfrequently taken by persons bait-fishing. I have seen specimens in one or two windows in town here, but the pent up waters of an aquarium seem scarcely healthy enough for them, as I noticed their place was very soon empty.

I believe that it remains an open question as to what senses are possessed by Fish, apart from that of sight. There is every reason to believe that they possess the faculty of smell, for it is no uncommon thing when fishing to notice their manner of swimming round and about the bait that is used, bringing their heads in contact with it, even pushing it, which to my mind is evidence of their using their olfactory organs to help them thereby to ascertain the quality of the bait. Again, many fishermen use oil of aniseed and other essences on their bait, which they affirm have the property of attracting fish, and I myself have many a time noticed a fish after dallying with the apparently tempting looking bait and moving it with its snout, finally turn away as if in disgust. Sir Humphry Davy says he thinks the principal use of nostrils in fish is to assist the propulsion of water through their gills, but he thinks also there are some nerves in these organs which give a sense of the qualities of