

Wednesday, August 16th. Off Sawhill Point (Sheldrake) at 9.45 a.m. Dredge F. Sawhill Point, bearing N.E., twelve miles distant, in sixty-nine fathoms on a rocky bottom; consequently very few specimens were collected. Several "crumb of bread" sponges, a sea anemone, a rare star fish identical with one dredged in the *Porcupine* expedition, and since described by Professor Wyville Thompson, several large shrimps, a small specimen of the great spider-crab, (*Chionocetes*) a hermit crab inside a dead shell of *Fusus tornatus* a single valve of *Neora artica*, and a specimen each of *Turritella crosa* and *reticulata*, with a few stones, were all that came up. Our course was now changed to one almost due east; wind nearly ahead,—weather misty rather than foggy. At 6 p.m. we were opposite Thunder River. On the north shore, at this point, the Laurentian (?) rocks crop up near the shore, and form low barren hills almost devoid of vegetation, which gives the landscape a desolate aspect. Dredge G. sixty fathoms mud, off Thunder River, bearing N.N.E., ten miles distant. Two fine examples of Agassiz's "basket fish" (*Astrophyton Agassizii*) in this haul, and a few common shells, in all only seven or eight specimens. Passed to the north of the West Point lighthouse at 9 p.m.; saw the light very plainly.

Thursday, August 17th. In the morning among the Mingan Islands; saw several puffins and kittiwakes. Went ashore at Mingan at 10.30; on landing, noticed that there was a small quantity of magnetic iron sand on the beach. Walked through a cranberry swamp to the Mingan River, botanizing on the way; in the dry places there were small Canada balsam and spruce trees, also small junipers: *Potentilla tridentata*, *Stellaria*, &c., and in the wetter places *Spiranthes*, *Ledum*, *Kalmia*, and other ericaceous and marsh plants. During the afternoon, we sailed through the Islands as far as Esquimaux Point, and went ashore there for a short time in the evening. Set sail again about 8, the course being more to the south—towards the north shore of Anticosti.

Friday, August 18th. At 8 a.m., we were between Cape Observation and Bear Head, Anticosti. Fine bold escarpments of a whitish looking (Upper Silurian) limestone, seven good sections visible at once. The dredge had been thrown out and pulled up again before I was up. Dredge H, between Anticosti and the North Shore, Charleton Point (Anticosti) bearing W. by S., eight miles distant. Many stones, some large, others small, came up in the bag, but there were more gneissoid or Laurentian masses than pieces of fossiliferous limestone. Two rare species of sponge, sea anemones, (*Tealiscussicornis*) several shrimps, a few *Amphipura* and *Ctenodiscus*, twelve species of shells, two of them brachiopods, and two small fishes, were brought up this time. One of the fishes was a juvenile wolf-fish (*Anarrhichus*), the other a gurnard, of the genus *Agonus*. Dredge I. In 120 fathoms mud, Bear Head, Anticosti, bearing N.W. by W., twelve miles distant. Temperature in the shade, on deck, 60°, in the mud, 38° or 39°. Mixed with the mud were a number of small water-worn stones: some of them were pebbles of labradorite, &c., others of fossiliferous limestone, a few isolated fossil Rhynchonellas were also detected. Recent species: several hydroids, polyzoa, and marine worms, five large examples of *Ctenodiscus*, and eight species of shells, differing materially from those taken in dredge H. Weather sunny and hot.

Saturday, August 19th. Passed the East Point Lighthouse at 8 a.m. Weather showery, with very little wind. We intended to try and examine to-day the locality in which, according to the chart, the depth is 313 fathoms, but were prevented by the weather. Measured our rope in the morning, and found we had about 575 fathoms. Lashed three heavy weights to the line; the first, with a large swab attached in front, two or three fathoms from the mouth of the dredge, the second, 100 fathoms from the first, and the third 100 fathoms from the second. In the afternoon, (2.45 p.m.) we got Dredge J. Dredge J, off the East Point of Anticosti, bearing S. by W., twenty-four miles distant, 212 fathoms mud, with several large stones. On the swab I found seven specimens of a curious crustacean of the genus *Pycnogonum*, and two or three examples of a brittle star, *Ophiacantha spinulosa*. Temperature on deck, 60° in the shade; in the mud 40°. About twenty species visible to the naked eye were obtained in this haul, but the number of individuals was small when it is considered that the dredge brought up upwards of six buckets full of mud. The microscopic organisms in this and the fol-