

Village, seven to eight miles from shore. Twenty-one species of shells and several other things. Dredge No. 6. Fourteen miles from shore, 100 fathoms mud, the bag came up almost empty, there was in it only a small quantity of mud containing no organisms visible to the naked eye. Mr. Kennedy left for Montreal this evening.

Friday, July 14th. Employed this day, for the first time, a new dredge, the frame and bag of which I had had made under my own immediate supervision in Montreal. It worked so well that the other was discarded and put aside as a reserve in case of accident. At this point I took observations, as well as I could, of the temperature of the mud or sand brought up from various depths. Dredge No. 7. Off Caribou Island, ten miles distant, 170 fathoms mud. The temperature on deck, in the shade, was 53° Fahr.; and on plunging the thermometer in the mud brought up, and shading both with a tarpaulin during the process, the mercury sank to 37°. It is probable that it would have fallen a degree or two lower had the instrument been self-registering, or if the bulb could have been immersed deeper into the mud. Eight species of shells, five of which are new to Canada, and a number of curious marine worms were obtained this time. During the day we had sailed back past Point des Monts.

Saturday, July 15th. Returning from Point des Monts, we got dredge No. 8, off Egg Island, eight miles from shore, in 70 to 80 fathoms sandy mud. Temperature on deck in the shade 58°; in the mud, 37°. Eleven species of shells, two star-fishes (*Ctenodiscus*) and a sea-anemone in this haul.

Sunday, July 16th. Anchored in Seven Island Bay all day.

Monday, July 17th. Off Sawhill Point and River in the morning. Dredge No. 9. 30 fathoms sand, two miles distant from Sawhill Point. Thirteen species of shells, a few interesting hydrozoa (*Thuiaria*) polyzoa, &c. Temperature on deck in the shade 59°; in the sand, 37°.

Tuesday, July 18th. Ashore at Magpie Village in the morning; collected many specimens of *Ceronia deaurata*, on the beach, and found one fine example of the great spider crab, *Chionocetes opilio*. Commander Lavoie bought from a man on shore, specimens of a male Barrow's Golden Eye, and a pair each of the Common and King Eider Duck, which were probably shot on the spot. Dredge 10. Off St. John's River, near the West Point of Anticosti, in 60 fathoms sand. Temperature of the sand 37°, while in the shade on deck the mercury registered 56°. The species brought up in this haul, though numerous, were not of special interest.

Wednesday, July 19th. Dredge No. 11. Off St. John's River in 50 fathoms sand. Temperature on deck in the shade 52°, in the sand 37°. The usual shallow water species with a few novelties. Fog and calm part of the day.

Thursday, July 20th. Anchored off St. John's River all day. Dead calm and fog.

Friday, July 21st. In the morning tried to collect some Calciferous fossils on Harber Island, Mingan, but without success, as at the place where I landed, fossils were both rare and badly preserved. Observed many interesting plants on the rocks near the beach, such as *Sedum rhodiola*, *Mitella nuda*, *Primula farinosa*, *Pinguicula vulgaris*, also the usual and characteristic maritime plants. In the afternoon we set sail for English Bay, Anticosti.

Saturday, July 22nd. Ashore at English Bay, Anticosti, in the morning. At each end of the bay good sections of rocks, of the Hudson River Group age, face the sea. A number of loose blocks of stone (of the same formation) were lying on the beach. Specimens of the characteristic fossils of the period were collected from these drifted masses, such as *Asaphus platycephalus*, a small *Murchisonia*, *Orthis testudinaria*, *Leptæna sericea*, &c.; a few interesting shells, crustaceans &c., were also collected, as the tide happened to be low. In the afternoon we tried two hauls of the dredge, Nos. 12 and 13. The first (No. 12) was in 25 fathoms, on a rocky bottom, off English Bay, and here the principle involved in the construction of the new dredge was successfully tested. The scraper got fouled on a ledge of rocks, but as the arms of the dredge were only tied together with rope

* To prevent reiteration, it may be as well to state that wherever degrees are mentioned in this report, degrees Fahrenheit are intended.