MEMOIRS

OF THE

CARNEGIE MUSEUM

VOL. XII

PART II, SECTION 5

THE EXPLORATION OF SOUTHAMPTON ISLAND

PART II, ZOÖLOGY

SECTION 5. INSECTS (LEPIDOPTERA) AND INVERTEBRATES

I. ECHINODERMATA AND MOLLUSCA

BY STANLEY T. BROOKS

The material brought from Southampton Island by Dr. George M. Sutton, in so far as it represents the Echinodermata and Mollusca, is more or less fragmentary. In view of all which he accomplished along other lines, it is remarkable that he found time to make even the small collection, which has been submitted to me for study and determination.

Inasmuch, so far as I am able to ascertain, as no material whatever representing the Echinoderms and Mollusks of this island has been hitherto reported, I take pleasure in listing the species represented in the avowedly small and incomplete collection which Dr. Sutton made.

Most of the species are common circumpolar forms. Many of the specimens are beach-drift or fragments taken from the gizzards of birds. They have been identified by comparison with specimens collected on the eastern coast of North America, Greenland, and northern Europe, which are in the Carnegie Museum. I wish to thank Dr. H. A. Pilsbry and his associate, Mr. E. G. Vanatta, of the Academy of Natural Sciences in Philadelphia for the identifications credited to them in the following list.

ECHINODERMATA

Genus *STRONGYLOCENTROTUS* Brandt.

1. *Strongylocentrotus droebachiensis* (O. F. Mueller).

One broken test evidently found upon the beach at Coral Inlet.

MOLLUSCA.

PELECYPODA.

1. *Mytilus edulis* Linnæus.

Six valves in good condition.

2. **Pecten islandicus** (Muller).

Eight valves.

3. **Modiolaria discors** (Linnæus).

One specimen identified by Pilsbry and Vanatta.

4. **Saxicava arctica** (Linnæus).

Nine valves.

5. **Mya truncata** Linnæus.

Two left valves, heavier and smaller than the material with which comparison has been made. Length 40 mm.; height 31 mm.

6. **Astarte borealis** Schumacher.

Identified by C. G. Vanatta. The specimen was found by Dr. O. E. Jennings among some mosses sent in by the collector.

In addition to the species hereinbefore listed there were a number of fragments of *Pelecypoda* taken from the gizzard of a King Eider, which are indeterminable.

GASTROPODA.

7. **Colus kroyeri** Moller.

One fragment identified by Pilsbry and Vanatta.

8. **Margarita umbilicalis** Broderip and Sowerby.

One specimen.

9. **Acmaea testudinalis** (Linnæus).

One specimen of the typical shape and size. One specimen of a more flattened form, the dimensions of which are: height 5, length 17, width 12 mm.

10. **Buccinum ciliatum** Fabricius.

Two specimens, one a fragment, identified by Pilsbry and Vanatta.

11. **Buccinum cyaneum** Brugiere.

One specimen identified by Pilsbry and Vanatta.

12. **Littorina rudis tenebrosa** Montagu.

From gizzard of Arctic Curlew.

Brooks, Stanley Truman. 1935. "Section 5. Insects (Lepidoptera) and invertebrates. I. Echinodermata and Mollusca." *Memoirs of the Carnegie Museum* 12(2), 1–2. <https://doi.org/10.5962/p.234864>.

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