

## APPENDIX

We have been asked to include in this report the following notes on some Sponges belonging to the United States National Museum, collected by the International Expedition to Point Barrow in 1883, and listed by John Murdoch in his report on the marine invertebrates of the expedition, p. 168, as quite indeterminable with the resources at his command.

These were sent to us by the Smithsonian Institution in three jars, bearing the catalogue numbers 1588, 1596 and 1591. They all came from "Ten miles west of Point Franklin, Alaska, August 31, 1883, 13½ fathoms." Only two common species are present in the collection.

Number 1588 contains a number of specimens of *Ficulina ficus*, showing great variation in the number of microxea present, which are small, sharply pointed at each end, roughened or microspined, and frequently centrotylote. In one specimen they are almost completely wanting.

The other jars contain several specimens of *Halichondria panicea*, massive or digitate in form, with scattered vents, and an often very distinctly reticulate dermal membrane.

Mr. F. Johansen also submits the following note: "Mr. Thomas Simpson, in his Narrative of the Discoveries on the North Coast of America, 1836-39, London, 1843, p. 125, states that on the beach west of Flaxman island, Alaskan arctic coast, his party 'picked up some pieces of delicate branched Sponge,' on July 21, 1837."

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