

*Echinus margaritaceus.**Echinus margaritaceus*, Lamk., 1816, Anim. sans Vert.

Studer (Monatsb. Berlin Akad, 1876, p. 456) has distinguished as distinct from *Echinus margaritaceus* a species which he has named *Echinus diadema*, this he separates on account of the absence of rows of secondary tubercles.

The Challenger has also collected from Kerguelen Island, 120 fathoms, specimens answering well to Studer's description, but I am not inclined to consider these specimens as a species distinct from *Echinus margaritaceus* after comparing them with specimens of this species collected by the "Hassler" in the Straits of Magellan, and on the east coast of Patagonia, as in some of these specimens there is a well marked tendency in the secondary tubercles to be arranged in horizontal and sometimes also in indistinct vertical rows.

Station 150. February 2, 1874. Lat. 52° 4' S., long. 71° 22' E.; 150 fathoms; bottom temperature, 1.8° C.; rocks.

Station 151. February 7, 1874. Off Heard Island; 75 fathoms; mud.

Station 308. January 5, 1876. Lat. 50° 10' S., long. 74° 42' W.; 175 fathoms; mud.

Off Christmas Harbour, Kerguelen; 50 fathoms and 120 fathoms. January 29, 1874.

Kerguelen Island; 120 fathoms.

Station 311. January 11, 1876. Lat. 52° 50' S., long. 73° 53' W.; 245 fathoms; bottom temperature, 7.7° C.; mud.

*Echinus norvegicus.**Echinus norvegicus*, Düb. o. Kor., 1844, Skand. Ech.

Station 308. January 5, 1876. Lat. 50° 10' S., long. 74° 42' W.; 175 fathoms; mud.

Station 232. May 12, 1875. Lat. 35° 11' N., long. 139° 28' E.; 345 fathoms; bottom temperature, 5.0° C.; sandy mud.

Station 235. June 4, 1875. Lat. 34° 7' N., long. 138° 0' E.; 565 fathoms; bottom temperature, 3.3° C.; mud.

Station 46. May 6, 1873. Lat. 40° 17' N., long. 66° 48' W.; 1350 fathoms; bottom temperature, 2.3° C.; mud.

Station 47. May 7, 1873. Lat. 41° 15' N., long. 65° 45' W.; 1340 fathoms; mud.

*Toxopneustes.**Toxopneustes*, Agassiz, 1841, Int. Monog. Scut.*Toxopneustes pileolus.**Echinus pileolus*, Lamk., 1816, Anim. sans Vert.*Toxopneustes pileolus*, Agassiz, 1841, Int. Monog. Scut.

Samboangan; 10 fathoms.

Honolulu.