

and extending into the Southern Ocean in the neighbourhood of Kerguelen and Heard Islands.

PACIFIC: One species between the parallels of 45° and 55° S.

Labidiaster radiosus, from the Trinidad Channel, west coast of Patagonia, and extending through the Strait of Magellan to the east coast of Patagonia and Rio de la Plata (*vide* Kinberg).

B. Bathymetrical range: 30 to 800 fathoms.

Greatest range of one species: *Labidiaster annulatus*, 75 to 800 fathoms.

γ. Nature of the Sea-bottom: *Labidiaster radiosus* on sand; *Labidiaster annulatus* on Volcanic mud, Green mud, and coarse gravel.

Chorological Synopsis of the Species.

	Ocean.	Range in Fathoms.	Nature of the Sea-bottom.
<i>Labidiaster annulatus</i> . .	{ Southern Ocean and Eastern Archipelago. }	75 to 800	{ Volcanic mud, Green mud, coarse gravel.
<i>Labidiaster radiosus</i> . .	Atlantic and Pacific.	30 to 63	Sand.

1. *Labidiaster radiosus* (Lovén), Lütken (Pl. CVIII. fig. 2).

Labidiaster radiosus (Lovén, M.S.), Lütken, 1871, Videnskab. Medd. naturh. Foren. i Kjøbenhavn, p. 293.

Locality.—Station 313. Near the Atlantic entrance to the Strait of Magellan. January 20, 1876. Lat. 52° 20' 0" S., long. 67° 39' 0" W. Depth 55 fathoms. Sand. Bottom temperature 47°·8 Fahr.; surface temperature 48°·2 Fahr.

Remarks.—In addition to the excellent description given by Lütken, this species has recently been exhaustively described by Studer,¹ who also made a careful examination of its anatomical structure, and illustrated a number of the more important details. I have therefore limited myself to a single figure of *Labidiaster radiosus*, which I have given for the purpose of comparison with the new species.

2. *Labidiaster annulatus*, n. sp. (Pl. CVIII. fig. 1).

Rays forty to forty-five. $R = 165$ to 190 mm.; $r = 33$ mm. $R > 5r$. Breadth of a ray at about 20 mm. from the disk, 6 to 7 mm.

Rays elongate, delicate, and cylindrical; constricted at the base, where they are closely crushed together, then gradually swelling slightly, the ray being broadest at about the

¹ *Anhang z. d. Abhandl. d. k. preuss. Akad. d. Wiss. Berlin*, vom Jahre 1884, p. 14, Taf. ii., iii.