

*Echinaster crassispinus*, Lütken, 1871, Videnskab. Medd. naturh. Foren. i Kjøbenhavn, p. 61.

*Echinaster echinophorus*, Perrier, 1875, Révis. Stell. Mus., p. 100 (Archives de Zool. expér., t. iv. p. 364).

*Locality*.—Bahia. Depth 7 to 20 fathoms.

2. *Echinaster eridanella*, Müller and Troschel.

*Echinaster eridanella* (Valenciennes, M. S.), Müller and Troschel, 1842, System der Asteriden, p. 42.

*Echinaster affinis*, Perrier, 1869, Ann. Sci. Nat., 5e Série, t. xii. p. 250.

*Locality*.—Admiralty Islands. Depth 16 to 25 fathoms.

3. *Echinaster spinulifer*, Smith.

*Othilia spinulifera*, Smith, 1876, Ann. and Mag. Nat. Hist., ser. 4, vol. xvii. p. 107.

*Echinaster spinulifer*, Smith, 1879, Phil. Trans., Zool. Kerguelen Island, vol. clxviii. p. 274, pl. xvi. fig. 4.

*Localities*.—Station 149D. Royal Sound, Kerguelen Island. January 20, 1874.

Lat. 49° 28' 0" S., long. 70° 13' 0" E. Depth 28 fathoms. Volcanic mud. Surface temperature 41°·0 Fahr.

Station 149H. Off Cumberland Bay, Kerguelen Island. January 29, 1874. Lat. 48° 45' 0" S., long. 69° 14' 0" E. Depth 127 fathoms. Volcanic mud. Surface temperature 39°·8 Fahr.

Family HELIASTERIDÆ, Viguier, 1878.

This family possesses a comparatively limited area of distribution, and appears to be confined to the western coast of South America; the type genus being there represented by a number of so-called species which exhibit a remarkable uniformity of facies.

The family contains only the single genus *Heliaster*.

Genus *Heliaster*, Gray.

*Heliaster*, Gray, Ann. and Mag. Nat. Hist., 1840, vol. vi. p. 179.

This genus, so far as at present known, is limited to the eastern side of the Pacific, and extends along the coast of the American continent from California to Chili, inhabiting shallow water. I greatly doubt whether all the so-called species which have been recognised can be maintained when a sufficient series of examples can be studied side by side, the differences by which they are separated being exceedingly slight.

*Chorology of the Genus Heliaster.*

a. *Geographical distribution*:—

PACIFIC: Five species between the parallels of 30° N. and 40° S.

*Heliaster cumingi*, from Hood's Island and Chatham Island (Galapagos Archipelago), and probably extending to Peru (*vide*