

SOUTHERN OCEAN : Three species between the parallels of 40° and 60° S.

**Pteraster affinis*, off Kerguelen. **Pteraster rugatus*, from between Kerguelen and Heard Islands. **Pteraster semireticulatus*, off Marion Island.

PACIFIC : Two species between the parallels of 70° (?) N. and 60° S.

**Pteraster stellifer*, off the western coast of South America.
Pteraster aporus, from Bering Sea.

β. Bathymetrical range : 10 to 2021 fathoms.

Greatest range of one species : *Pteraster pulvillus*, 50 to 2021 fathoms.

Excepting *Pteraster militaris* and *Pteraster sordidus*, none of the other species extend into the Abyssal zone. *Pteraster caribbæus* and *Pteraster stellifer* occur in the Continental zone.

γ. Nature of the Sea-bottom : Mud, sandy clay, or gravel.

Pteraster affinis and *Pteraster caribbæus* on mud. *Pteraster militaris* on sandy clay or shelly ground. *Pteraster rugatus* on coarse gravel. *Pteraster stellifer* on Blue mud.

The species collected by the Challenger are indicated in the foregoing list by an asterisk.

Chorological Synopsis of the Species.

	Ocean.	Range in Fathoms.	Nature of the Sea-bottom.
<i>Pteraster affinis</i>	Southern.	28	Volcanic mud.
<i>Pteraster aporus</i>	Pacific.
<i>Pteraster caribbæus</i>	Atlantic.	151 to 451	Soft grey mud.
<i>Pteraster danæ</i>	Atlantic.	30 (?)	...
<i>Pteraster militaris</i>	Atlantic.	10 to 530	{ Gravel, stones, sandy clay, or shelly ground.
<i>Pteraster militaris</i> , var. <i>prolata</i>	Atlantic.	608	...
<i>Pteraster pulvillus</i>	Atlantic.	50 to 2021	...
<i>Pteraster rugatus</i>	Southern.	150	Coarse gravel.
<i>Pteraster semireticulatus</i>	Southern.	50	...
<i>Pteraster sordidus</i>	Atlantic.	622	...
<i>Pteraster stellifer</i>	Pacific.	245	Blue mud.

1. *Pteraster militaris*, Müller and Troschel.

Asterias militaris, O. F. Müller, 1776, Zool. Dan. Prodr., p. 234, No. 2828.

Asteriscus militaris, Müller and Troschel, 1842, System der Asteriden, p. 44.

Pteraster militaris, Müller and Troschel, 1842, System der Asteriden, p. 128, tab. vi. fig. 1.

Locality.—Station 49. South of Halifax, Nova Scotia. May 20, 1873. Lat. 43° 3' 0" N., long. 63° 39' 0" W. Depth 85 fathoms. Gravel, stones. Bottom temperature 35°·0 Fabr.; surface temperature 40°·5 Fabr.