

Volcanic mud : *Asterias meridionalis*, *Asterias perrieri*, *Asterias fascicularis* (also on Volcanic sand), and *Asterias (Smilasterias) scalprifera*. On Blue mud : *Asterias (Cosmasterias) sulcifera* and *Asterias (Hydrasterias) ophidion*. On clay : *Asterias linckii* (also on hard ground), *Asterias panopla*, *Asterias spitzbergensis*, *Asterias gunneri*, and *Asterias normani*. On mud : *Asterias brandti*, *Asterias bellii*, *Asterias cribraria*. On Green mud : *Asterias vesiculosa* and *Asterias (Stolasterias) stichantha*. On hard ground, gravel or rock : *Asterias littoralis*, *Asterias tenera*, *Asterias (Leptasterias) compta*, *Asterias rupicola*, *Asterias hyperborea*, *Asterias hartii*, *Asterias (Smilasterias) triremis*, *Asterias cunninghami* (also on sand), and *Asterias acervata*. On Volcanic sand : *Asterias studeri* and *Asterias contorta*. On sand : *Asterias obtusispinosa*, *Asterias gracilis* (also on hard ground), *Asterias tanneri* (also on mud and shells), *Asterias versicolor*, and *Asterias glomerata*. On Green sand : *Asterias (Cosmasterias) tomidata*.

The types of the following species are lost and unknown. I consider, therefore, that the names should be discarded :—

Asterias aster, Gray.

Asterias bootes, Müller and Troschel.

Asterias eclinata, Gray.

Asterias Wilkinsoni, Gray.

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

Chorological Synopsis of the Species herein mentioned.

	Ocean.	Range in Fathoms.	Nature of the Sea-bottom.
<i>Asterias anurensis</i>	Pacific.	5 to 25	...
<i>Asterias cunninghami</i>	Atlantic and Pacific.	0 to 55	Rock, kelp, sand.
<i>Asterias glomerata</i>	Atlantic.	12 to 55	Sand, gravel.
<i>Asterias meridionalis</i>	Southern.	10 to 127	Volcanic mud.
<i>Asterias perrieri</i>	Southern.	25 to 110	Volcanic mud.
<i>Asterias rubens</i>	Atlantic.	0 to 53	...
<i>Asterias torquata</i>	Pacific.	5 to 25	...
<i>Asterias versicolor</i>	Pacific.	8 to 50	Sand.
<i>Asterias vesiculosa</i>	Eastern Archipelago.	800	Green mud.
<i>Asterias (Cosmasterias) sulcifera</i>	Pacific.	345	Blue mud.
<i>Asterias (Cosmasterias) tomidata</i>	Pacific.	45	Green sand.
<i>Asterias (Smilasterias) scalprifera</i>	Southern.	50 to 75	Volcanic mud.
<i>Asterias (Smilasterias) triremis</i>	Southern.	150	Coarse gravel.
<i>Asterias (Hydrasterias) ophidion</i>	Atlantic.	1250	Blue mud.
<i>Asterias (Leptasterias) compta</i>	Atlantic.	18 to 150	Gravel, stones.
<i>Asterias (Leptasterias) mülleri</i>	Atlantic.	53 to 433	...
<i>Asterias (Stolasterias) africana</i>	Atlantic.	5 to 20	...
<i>Asterias (Stolasterias) calamaria</i>	Indian and Pacific.	0 to 38	...
<i>Asterias (Stolasterias) eustyla</i>	Atlantic.	100 to 150	...
<i>Asterias (Stolasterias) gemmifera</i>	Pacific.	...	Coral reefs.
<i>Asterias (Stolasterias) glacialis</i>	Atlantic.
<i>Asterias (Stolasterias) stichantha</i>	Pacific.	345	Blue mud.
<i>Asterias (Stolasterias) tenuispina</i>	Atlantic.
<i>Asterias (Stolasterias) volcellata</i>	Eastern Archipelago.	95	...