

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

**Hymenaster graniferus*, **Hymenaster coccinatus*, and **Hymenaster præcoquis*, in the neighbourhood of Marion and the Crozet Islands. **Hymenaster latebrosus*, near the meridian of 110° E. **Hymenaster nobilis*, **Hymenaster formosus*, **Hymenaster sacculatus*, **Hymenaster cælatus*, and **Hymenaster crucifer*, south of Australia.

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

**Hymenaster infernalis*, from the Mid-North Pacific, near the meridian of 170° E. **Hymenaster glaucus*, south of Japan. **Hymenaster pullatus*, north of New Guinea, south-west of the Admiralty Islands. **Hymenaster echinulatus* and **Hymenaster geometricus* in the Mid-South Pacific near the meridian of 135° W. **Hymenaster carnosus*, off the west coast of South America. **Hymenaster vicarius* and **Hymenaster porosissimus*, off the coast of South America, between Valparaiso and the Island of Juan Fernandez.

β. *Bathymetrical range* : 70 to 2900 fathoms.

Greatest range of one species : *Hymenaster pellucidus*, 70 to 1539 fathoms (*fidè* Danielssen and Koren).

All the species excepting *Hymenaster pellucidus* are confined to the Abyssal zone. Five species, *Hymenaster pergamentaceus*, *Hymenaster echinulatus*, *Hymenaster infernalis*, *Hymenaster geometricus*, and *Hymenaster giboryi*, occur in depths greater than 2000 fathoms. *Hymenaster infernalis* extends to 2900 fathoms, the greatest depth at which Asterids were dredged by the Challenger.

γ. *Nature of the Sea-bottom* : The majority of the species are found on Globigerina ooze, viz., *Hymenaster nobilis*, *Hymenaster formosus*, *Hymenaster sacculatus*, *Hymenaster carnosus*, *Hymenaster vicarius*, *Hymenaster cælatus*, *Hymenaster crucifer*, *Hymenaster porosissimus*, *Hymenaster graniferus*, *Hymenaster coccinatus*, and *Hymenaster præcoquis*; the last is also found on Diatom ooze. *Hymenaster latebrosus* is found on Diatom ooze. *Hymenaster pergamentaceus*, *Hymenaster pullatus*, and *Hymenaster membranaceus* frequent Blue mud. *Hymenaster echinulatus*, *Hymenaster infernalis*, and *Hymenaster geometricus* live on Red clay. *Hymenaster glaucus* is found on Green mud. *Hymenaster anomalus* on Pteropod ooze. *Hymenaster pellucidus* is found on Biloculina clay, sandy clay, and Blue clay.

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