

Pacific fauna is therefore not certain. *Asterias scaber*, *Asterias fragilis*, and *Asterias mollis*, from New Zealand. *Asterias sinusoida*, from Tasmania. \**Asterias* (*Stolasterias*) *gemmifera*, from the Fiji Islands, and extending to Chili. *Asterias rodolphi*, from the Kermadec Islands.

Passing to the northern area on the eastern side, *Asterias epichlora*, *Asterias janthina*, and *Asterias ochracea*, from the Island of Sitcha, the first extending to Puget Sound and the coast of Oregon, and the last to San Francisco. *Asterias vancouveri*, from Vancouver Island. *Asterias conferta*, *Asterias hexactis*, *Asterias paucispina*, and *Asterias troschellii*, from Puget Sound. *Asterias fissispina*, *Asterias katherinæ*, and *Asterias lütkeni*, from the coast of Oregon. *Asterias æqualis*, *Asterias brevispina*, *Asterias capitata*, *Asterias sertulifera*, *Asterias forreri*, and *Asterias exquisita*, from the coast of California. *Asterias inermis* and *Asterias nautarum*, from Ecuador. *Asterias gelatinosa*, *Asterias fulva*, *Asterias germaini*, *Asterias lurida*, *Asterias mitis*, *Asterias spectabilis*, \**Asterias* (*Cosmasterias*) *sulcifera*, *Asterias varia*, *Asterias clavata*, and *Asterias fulgens*, from the coast of Chili. \**Asterias* (*Cosmasterias*) *tomidata*, from the Gulf of Peñas. \**Asterias cunninghami*, off the coast of Patagonia, and extending through the Strait of Magellan into the Atlantic as far as the Falkland Islands. *Asterias brandti* and *Asterias neglecta*, from the Strait of Magellan. *Asterias philippi* has only the vague record of South America as a locality, and it may not, therefore, be correctly included in the Pacific fauna.

β. *Bathymetrical range*: Shallow water to 1250 fathoms.

Greatest range of one species: *Asterias contorta*, 11 to 860 fathoms (*vide* Perrier).

The majority of the species are confined to the Littoral zone. *Asterias* (*Leptasterias*) *mülleri*, *Asterias* (*Cosmasterias*) *sulcifera*, *Asterias vulgaris*, *Asterias panopla*, *Asterias contorta*, *Asterias fascicularis*, *Asterias gracilis*, *Asterias tanneri*, *Asterias briareus*, *Asterias richardi*, and *Asterias* (*Stolasterias*) *stichantha*, pass into the Continental zone. *Asterias contorta*, *Asterias gracilis*, *Asterias fragilis*, *Asterias vesiculosa*, and *Asterias* (*Hydrasterias*) *ophidion*, occur in the Abyssal zone; the last three being at present known only from that zone. *Asterias* (*Hydrasterias*) *ophidion* is the species attaining the greatest depth, viz. 1250 fathoms.

γ. *Nature of the Sea-bottom*: The character of the habitat of the older known species is recorded in comparatively few cases. The ground inhabited by the Littoral species varies considerably. The following occurrences are recorded. On