

Chorology of the Genus Dytaster.

a. *Geographical distribution* :—

ATLANTIC : Four species between the parallels of 40° N. and 40° S.

Dytaster madreporifer and *Dytaster exilis*, var. *carinata*, off the coast of North America. *Dytaster biserialis*, between Madeira and the Azores. *Dytaster exilis*, var. *gracilis*, west of Tristan da Cunha. *Dytaster nobilis*, off the coast of South America, east of Buenos Ayres.

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

Dytaster spinosus, in the Mid-North Pacific, near the meridian of 180°. *Dytaster exilis*, off the coast of South America, between Valparaiso and the Island of Juan Fernandez. Varieties of this species are found in the North and South Atlantic, as noted above.

EASTERN ARCHIPELAGO : Two species between the parallels of 10° N. and 10° S.

Dytaster inermis, off the northern extremity of Celebes. *Dytaster æquivocus* in the Arafura Sea, west of the Arrou Islands.

β. *Bathymetrical range* : 800 fathoms to 2650 fathoms.

All the species are confined to the Abyssal zone—one only (*Dytaster æquivocus*) being found at a less depth than 1000 fathoms.

Greatest range of one species : *Dytaster madreporifer*, 1240 to 1700 fathoms. *Dytaster exilis*, with its varieties, ranges from 1375 to 1900 fathoms.

γ. *Nature of the Sea-bottom* : Four species—*Dytaster inermis*, *Dytaster madreporifer*, *Dytaster nobilis*, *Dytaster exilis*, var. *carinata*, are found on Blue mud. The type-form of *Dytaster exilis* and its variety *gracilis* are found on Globigerina ooze. Three species—*Dytaster biserialis*, *Dytaster spinosus*, *Dytaster exilis*, and *Dytaster exilis*, var. *gracilis*, are found on Globigerina ooze. *Dytaster æquivocus* is found on Green mud only, in 800 fathoms.

Chorological Synopsis of the Species.

	Ocean.	Range in Fathoms.	Nature of the Sea-bottom.
<i>Dytaster æquivocus</i>	Eastern Archipelago.	800	Green mud.
<i>Dytaster biserialis</i>	N. Atlantic.	2025	Globigerina ooze.
<i>Dytaster exilis</i>	S. Pacific.	1375	Globigerina ooze.
<i>Dytaster exilis</i> var. <i>carinata</i>	N. Atlantic.	1700	Blue mud.
<i>Dytaster exilis</i> var. <i>gracilis</i>	S. Atlantic.	1900	Globigerina ooze.
<i>Dytaster inermis</i>	Eastern Archipelago.	2150	Blue mud.
<i>Dytaster madreporifer</i>	N. Atlantic.	1240 to 1700	Blue mud.
<i>Dytaster nobilis</i>	S. Atlantic.	2050	Blue mud.
<i>Dytaster spinosus</i>	N. Pacific.	2050	Globigerina ooze.