

maintained. The third form mentioned above, *Asterias vernicina*, remains the type of Müller and Troschel's genus *Asteropsis*.

*Chorology of the Genus Gymnasteria.*

a. *Geographical distribution* :—

INDIAN OCEAN: One species between the parallels of 30° N. and 30° S.

*Gymnasteria carinifera* from the Red Sea and Mauritius, and extending into the Eastern Archipelago and Pacific.

EASTERN ARCHIPELAGO: One (or perhaps two) species between the parallels of 20° N. and 20° S.

*Gymnasteria carinifera* from Amboina and other islands, and extending both into the Indian and Pacific Oceans. *Gymnasteria biserrata* from Larentuka, is in my opinion a young stage of *Gymnasteria carinifera*, or at most a variety which has maintained its juvenile characters.

PACIFIC: One (or perhaps two) species between the parallels of 30° N. and 30° S.

*Gymnasteria carinifera* from New Caledonia, the Fiji Islands, the Sandwich Islands and Panama, and extending into the Eastern Archipelago and Indian Ocean. *Gymnasteria valvulata* from the Galapagos Islands is a very young form, on the specific validity of which it is somewhat hazardous to place reliance.

β. *Bathymetrical range*: Shallow water.

γ. *Nature of the Sea-bottom*: Not recorded.

*Chorological Synopsis of the Species.*

	Ocean.	Range in Fathoms.	Nature of the Sea-bottom.
<i>Gymnasteria carinifera</i> .	{ Indian Ocean. Eastern Archipelago. Pacific.	} Shallow water.	...
? <i>Gymnasteria biserrata</i> .			...
? <i>Gymnasteria valvulata</i> .			...

1. *Gymnasteria carinifera* (Lamarck), von Martens (Pl. LII. figs. 5-8 juv.).

*Asterias carinifera*, Lamarck, 1816, Hist. nat. anim. a. vert., t. ii. p. 556.

*Asterops carinifera*, Müller and Troschel, 1840, Monatsber. d. k. Akad. d. Wiss. Berlin, p. 104 (non *Asterops*, Philippi).

*Gymnasteria spinosa*, Gray, 1840, Ann. and Mag. Nat. Hist., vol. vi. p. 278.