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| b. No papulæ in the intermediate abactinal membrane | <i>Brisinga.</i> |
| b. Abactinal plating of the disk and basal portion of the rays consisting of scale-like imbricating plates. No papulæ. | |
| a. No azygos interradiating plate separating the first pair of adambulacral plates | <i>Freyella.</i> |
| b. An azygos interradiating plate separating the first pair of adambulacral plates | <i>Colpaster.</i> |

Genus *Labidiaster*, Lütken.

Labidiaster, Lütken, Videnskab. Medd. naturh. Foren. i Kjøbenhavn, 1871, p. 289.

The genus *Labidiaster* was considered by Lütken as most nearly allied to *Pedicellaster*. It was placed by Perrier¹ in 1878 in the family Asteriidæ, but was subsequently ranked by Viguier² along with *Brisinga* and *Pedicellaster* in the family Brisingidæ. The recent researches of Studer³ have fully confirmed the justice of placing *Labidiaster* in that family. Hitherto the genus was supposed to be confined to the southern point of the American continent; its range is now, however, considerably extended by its discovery in the Southern Ocean and in the Arafura Sea. The occurrence of this and other Antarctic species in the last-mentioned region is highly remarkable, and would have been almost suggestive of an error in labelling if one case only had occurred.

Chorology of the Genus *Labidiaster*.

a. Geographical distribution:—

ATLANTIC: One species between the parallels of 30° and 55° S.

Labidiaster radiosus, off the eastern coast of Patagonia, passing as far north as the mouth of the Rio de la Plata (*vide* Kinberg), also in the Strait of Magellan, and extending to the Pacific side in the Trinidad Channel. (This may, perhaps, *vide* Bell,⁴ be a distinct species, for which, if necessary, he proposes the name *Labidiaster luetkeni*.)

SOUTHERN OCEAN: One species between the parallels of 45° and 55° S.

Labidiaster annulatus, off Kerguelen Island and Heard Island, and extending into the Arafura Sea.

EASTERN ARCHIPELAGO: One species between the parallels of 0° and 10° S.

Labidiaster annulatus, from north-west of the Arrou Islands,

¹ *Nouv. Archives Mus. Hist. Nat.*, 2e Série, 1878, t. i. pp. 10, 44, 76.

² *Archives de Zool. expér.*, 1878, t. vii. p. 119.

³ *Anhang z. d. Abhandl. d. k. preuss. Akad. d. Wiss. Berlin*, vom Jahre 1884, p. 14.

⁴ *Proc. Zool. Soc. Lond.*, 1881, p. 94.