

armature, and by the union of the supero-marginal plates throughout the ray. The synonyms of *Iconaster longimanus*, Möbius, sp., are *Astrogonium longimanum*, Möbius, *Astrogonium souleyeti*, Dujardin and Hupé, *Goniaster longimanus*, Lütken, *Pentagonaster longimanus*, Perrier, and *Archaster lucifer*,¹ Valenciennes.

On the grounds above detailed I consider that the name *Dorigona* should be ranked as obsolete. I am unable to express a definite opinion as to the position of several forms recently referred to *Dorigona*, but I am inclined to think that some of them will perhaps fall within the scope of the genus *Nymphaster* described on a succeeding page.

I have added to this family four new genera discovered by the Challenger, and I have also included the genus *Nectria*, which has latterly been relegated by Perrier² to the Linckiidae.

The interesting genus *Anthenoïdes* described by Perrier³ is referred by him to this family.

In concluding these notes I would remark that Perrier⁴ in his latest work has again reverted to the family name of Goniasteridae. I think this unfortunate, and in fact inadmissible, unless M. Perrier has relinquished the amended classification of the genera included in that group, proposed by him in 1884, and noticed above. The scope and significance of the family Goniasteridae (Verrill), Perrier, 1875, is quite different from that of the family Pentagonasteridae, Perrier, 1884. The latter I have adopted in the present work, and consider that it ought to be maintained.

Synopsis of the Genera included in the Family PENTAGONASTERIDÆ.

- A. Abactinal area with rounded, polygonal, or paxilliform plates. Granules or spinelets when present co-ordinated PENTAGONASTERINÆ.
- a. Abactinal area covered with rounded or polygonal plates; sometimes subtabulate, and either smooth or bearing granules, but not forming true paxillæ.
- a. Supero-marginal plates separated throughout the length of the ray by abactinal plates. Abactinal plates not margined by elongate valvular plates.
- α. Actinal intermediate plates and infero-marginal plates smooth or granulose; devoid of prominent spinelets.
- i. Marginal plates smooth or granulose.

¹ In citing this erroneous reference to *Archaster* in the list of species given on p. 122 *supra* (line 21), I have inadvertently written *Dorigona longimana*, Möbius, sp., instead of *Iconaster longimanus*, Möbius, sp. The reader will please make the necessary correction. The sheet was unfortunately printed off before the error was noticed.

² *Nouv. Archives Mus. Hist. Nat.*, 2e Série, 1878, t. i. p. 79. (On p. 19 of the same work *Nectria* is ranked in the Goniasteridae.)

³ *Bull. Mus. Comp. Zool.*, Harvard, 1881, vol. ix, No. 1, p. 23; *Nouv. Archives Mus. Hist. Nat.*, 2e Série, 1884, t. vi. p. 246.

⁴ *Ann. Sci. Nat. (Zool.)*, 1885, t. xix., Art. No. 8, p. 30.