

To the genus *Notobranchæa*, I refer *Clio capensis*, Rang,¹ from the Cape of Good Hope, which was considered by Gray,² d'Orbigny,³ and Boas,⁴ as a *Pneumonoderma*. The foot of "*Clio capensis*" shows the same disposition indeed as that of *Notobranchæa macdonaldi*; the neck and the head are also short, and finally, one can distinguish⁵ the three crests of the posterior gill. But the figures given by Rang are not accurate in regard to the foot and still less so in regard to the gill; besides, the buccal appendages are not at all known. It is therefore impossible to identify the two forms.

On the other hand, Macdonald⁶ has noticed, as "trigonal tailed *Clio*," a little Gymnosomatous Pteropod in which he has observed the same conformation of gill as in *Notobranchæa*. But the foot is not described, and there should be two (?) pairs of buccal cones, like those of *Clione*.

Macdonald wrote me that he had obtained this Pteropod off Sydney Harbour. It follows then that the genus *Notobranchæa* is distributed in both the northern and southern hemispheres, in the Atlantic as well as in the Pacific Ocean.

Family IV. CLIONIDÆ.

1840. *Clionidæ*, Gray, Synopsis of the Contents of the British Museum, p. 86.
 1842. *Pneumodermidæ*, d'Orbigny (*pars*), Paléontologie française, terrains crétacés, t. ii. p. 4.
 1846. *Clionoidæ*, Agassiz (*pars*), Nomenclator Zoologicus, Index, p. 90.
 1850. *Clioneidæ*, Gray, Catalogue of the Mollusca in the Collection of the British Museum, pt. ii., Pteropoda, p. 35.
 1852. *Clios*, Souleyet (*pars*), Histoire naturelle des Mollusques Ptéropodes, p. 74.
 1855. *Clionidea*, Gegenbaur (*pars*), Untersuchungen über Pteropoden und Heteropoden, p. 212.
 1856. *Clionidæ*, Woodward (*pars*), A Manual of the Mollusca, p. 208.

Characters.—Two or three pairs of conical buccal appendages. Jaw absent. Gill absent. Skin not pigmented.

Description.—*Body* long, contracted behind and pointed at its posterior extremity, visceral mass not extending to that extremity, and in the adult occupying only the anterior half of the body. Skin generally not pigmented; no dorsal spot. Head round and short; long labial tentacles; neck short.

¹ Description d'un nouveau genre de la classe des Ptéropodes et de deux espèces nouvelles du genre *Clio*, *Ann. d. Sci. Nat.*, sér. 1, t. v. p. 286, pl. vii. figs. 3, 4.

² Catalogue of the Mollusca in the Collection of the British Museum, pt. ii., Pteropoda, p. 40.

³ Voyage dans l'Amérique méridionale, t. v. p. 129.

⁴ *Spolia atlantica*, p. 167.

⁵ Rang, *loc. cit.*, pl. vii. figs. 3, 4.

⁶ On the Zoological Characters of the living *Clio caudata*, *Trans. Roy. Soc. Edin.*, vol. xxxiii. p. 186, pl. ix. fig. 3, 2.