

Clione,¹ Pallas.

1774. *Clione*, Pallas, *Spicilegia zoologica*, fasc. x. p. 28.

1776. *Clio*, O. F. Müller (*non* Browne), *Faunæ danicæ prodromus*, p. 226.

1825. *Clidita*, Quoy and Gaimard (*pars*), *Description de cinq genres de Mollusques*, Ann. d. Sci. Nat., sér. 1, t. v. p. 74.

1840. *Spongiobranchea*, d'Orbigny (*pars*), *Voyage dans l'Amérique méridionale*, t. v. p. 132.

Characters and Description.—As in the family Clionidæ, great confusion has existed for a long time in regard to the cephalic appendages of *Clione*. In a paper on these organs² I have shown that there may be distinguished:—

- (1) The buccal appendages or cephaloconi, inserted on the wall of the buccal cavity.
- (2) The true tentacles, situated on the external wall of the head, and numbering two pairs. First, the anterior, labial or oral pair, and second, the posterior, nuchal or cervical pair.

A great number of Gymnosomatous Pteropods are described under the name *Clione* (or *Clio*); but a considerable proportion of these forms are so little known, so imperfectly and insufficiently described and figured, that it is impossible since the type specimens have been lost to give a diagnosis of them, and to admit them into the nomenclature.

I have found in the literature (after eliminating, of course, the Thecosomata bearing the name *Clio*, which are more often called *Cleodora*) nineteen different names of *Clione* (or *Clio*).

Among these nineteen names there are:—

1. One given to a Mollusc of another group—

(1) *Clio amati*, Delle Chiaje³ = *Gastropteron meckeli*, Kosse.

2. Names given to forms belonging to other genera of Gymnosomata—

(2) *Clio capensis*, Rang = *Notobranchea* sp.

(3) *Clidita caduceus*, Rang = *Spongiobranchea australis*, d'Orbigny.

(4) *Clio mediterranea*, Gegenbaur = *Clionopsis krohni*, Troschel.

3. Names which are synonyms of other specific names of the genus *Clione*, as we shall see further on—

(5) *Clio aurantiaca*, Fol = *Clione flavescens*, Gegenbaur.

(6) *Clione borealis*, Pallas = *Clione limacina*, Phipps.

(7) *Clio caudata*, Gray (*non* Macdonald) = *Clione longicaudata*, Souleyet.

(8) *Clione dalli*, Krause = *Clione limacina*, Phipps.

¹ From *Clio*, a mythological name.

² The Cephalic Appendages of the Gymnosomatous Pteropoda, *Quart. Journ. Micr. Sci.*, 1885, p. 493.

³ *Memorie sulla storia e notomia degli animali senza vertebre del Regno di Napoli*, t. i. p. 52.