

Family II. CAVOLINIIDÆ.

1841. *Hyalidæ*, d'Orbigny, Mollusques de Cuba, t. i. p. 70.

1842. *Cavolinidæ*, d'Orbigny, Paléontologie française, Terrains crétacés, t. ii. p. 4.

1842. *Cleodoridæ*, Gray, Synopsis of the Contents of the British Museum, p. 92.

1869. *Cliidæ*, Jeffreys, British Conchology, vol. v. p. 118 (*non* Woodward, 1856).

1875. *Orthoconques*, Fol, Sur le développement des Pteropodes, Archives d. Zool. Expér., sér. 1, t. iv. p. 177.

incl. *Cuvieridæ*, Gray, 1842 = *Tripteridæ*, Gray, 1850.

Characters.—Shell external, calcareous, inoperculated, bilaterally symmetrical, not rolled up in a spiral, but at its apex often dorsally recurved. Animal with its pallial cavity ventral, and its columellar muscle dorsal; the anus situated on the left.

Description.—The shell has a variable form, which may always be referred to a hollow cone, more or less modified, flattened dorso-ventrally or circular in section. The apex is quite straight, recurved or truncated; the mouth broad or narrow; with longitudinal or transverse ribs, &c. The initial portion of the shell is generally distinct from the rest, and represents the embryonic shell.

The animal may be entirely retracted within the shell. The form of the fins and of the posterior lobe of the foot varies considerably. The mouth, the lips, and the tentacles resemble those of the Limacinidæ (except *Peracelis*).

In regard to the classification, as in the Limacinidæ, we find a large number of genera established by too zealous conchologists for the reception of the species belonging to this family. Abstracting genera based on Tertiary fossils, we find seventeen different generic titles applied to living Cavoliniidæ. These are enumerated in alphabetical order:—

Archonta, Montfort, 1810.

Balantium, Benson, 1837.

Cavolina, Abildgaard, 1791 (*non* Bruguière, 1792).

Cleodora, Péron and Lesueur, 1810.

Clio, Linné, 1767 (*non* Müller, 1776).

Creseis, Rang, 1828.

Cuvieria, Rang, 1827 (*non* Péron, 1807).

Cuvierina, Boas, 1886.

Diacria, Gray, 1842.

Hyalæa, Lamarck, 1801.

Hyalocylis, Fol, 1875.

Orbignyia, Adams, 1859.

Pleuropus, Eschscholtz, 1825.

Rheda, Humphreys, 1797.

Styliola, Lesueur, 1825.

Tricla, Oken, 1815 (*non* Retzius, 1788).

Triptera, Auctorum (*non* Quoy and Gaimard, 1824).

Of these seventeen titles:—

1. Three alone ought to be preserved as applicable to well-established genera—

(1) *Clio*; (2) *Cuvierina*; (3) *Cavolinia*.