

For the sake of expediency the following subgenera are provisionally accepted. Much work on the generic structure of this family is needed.

Genus: *Terebra* BRUGUIÈRE, 1789. Encycl. Méth., Vers, vol. 1, pl. xv. Type species: *Buccinum subulatum* LINNAEUS, 1767.

- Subgenera: (*Abretiella*) BARTSCH, 1923, Nautilus, vol. 37 (2): 61 to 63. Type species: *Terebra cerithina* LAMARCK, 1822.
- (*Decorihastula*) OYAMA, 1961, Venus, vol. 21 (2): 185. Type species: *Terebra affinis* GRAY, 1834.
- (*Dimidiacus*) IREDALE, 1929, Austral. Zool., vol. 5: 341. Type species: *Terebra cingulifera* LAMARCK, 1822.
- (*Oxymeris*) DALL, 1903, Proc. U. S. Nat. Mus., vol. 26: 951. Type species: *Buccinum maculatum* LINNAEUS, 1758.
- (*Perirhoe*) DALL, 1908, Nautilus, vol. 21: 124. Type species: *Terebra circumcineta* DESHAYES, 1857.
- (*Strioterebrum*) SACCO, 1891, Moll. terr. Terz. Pied. e Lig. pt. 10, p. 33. Type species: *Terebra basteroti* NYST, 1843.
- (*Subula*) SCHUMACHER, 1817, Ess. Nouv. Syst., p. 233. Type species: *Buccinum dimidiatum* LINNAEUS, 1758.
- (*Triplostephanus*) DALL, 1908, Nautilus, vol. 21: 124. Type species: *Terebra triseriata* GRAY, 1834.

Genus: *Hastula* H. & A. ADAMS, 1853. Gen. Rec. moll., vol. 1: 225. Type species: *Buccinum strigilatum* LINNAEUS, 1758.

Subgenus: (*Hastulina*) OYAMA, 1961, Venus, vol. 21 (2): 183-184. Type species: *Terebra casta* HINDS, 1843.

B & B 1967 Veliber 10(1) = 8.

Genera and subgenera, to which various species in this paper are referred, together with their respective type species, are as follows:

- Clathroterebra* OYAMA, 1961: Venus 21 (2), p. 188. — *Terebra fortunei* DESHAYES, 1857.
- Decorihastula* OYAMA, 1961: Venus 21 (2), p. 185. — *Terebra affinis* GRAY, 1834.
- Dimidiacus* IREDALE, 1929: Austral. Zool. 5, p. 341. — *Terebra cingulifera* LAMARCK, 1822.
- Terebrina* BARTSCH, 1923: Nautilus 37 (2), pp. 62, 63 (non RAFINESQUE, 1815, Ann. Nat., p. 145).
- Duplicaria* DALL, 1908: Nautilus 21, p. 124. — *Buccinum duplicata* LINNAEUS, 1758.
- Diplomeriza* DALL, 1919: Nautilus 33, p. 32.
- Myurellisca* BARTSCH, 1923: Nautilus 37 (2), p. 63.
- Hastula* H. & A. ADAMS, 1853: Gen. Rec. Moll., 1, p. 225. — *Hastula concinna* (DILLWYN, 1817) = *Terebra strigilata* (LINNAEUS) of authors.
- Noditerebra* COSSMANN, 1896: Ess. d. Pal. Comp., 2, p. 51. — *Terebra geniculata* TATE, 1886.
- Perirhoe* DALL, 1908: Nautilus 21, p. 124. — *Terebra circumcineta* DESHAYES, 1857.
- Pervicacia* IREDALE, 1924. — *Terebra ustulata* DESHAYES, 1857.
- Punctoterebra* BARTSCH, 1923: Nautilus 37 (2), pp. 61, 63. — *Terebra nitida* HINDS, 1844.
- Strioterebrum* SACCO, 1891: Moll. Piem. Lig., p. 33. — *Terebra basteroti* NYST, 1843.
- Terebra* BRUGUIÈRE, 1789: Encycl. Method. Vers, vol. 1, p. 15. — *Buccinum subulatum* LINNAEUS, 1767.
- Triplostephanus* DALL, 1908: Nautilus 21, p. 124. — *Terebra triseriata* GRAY, 1834. *DUREN 1967 Veliber 10(1) = 8*

GENERA OF TEREBRIDAE

Numerous generic and subgeneric names have been proposed from time to time for assemblages of species of Terebridae. Species of terebrids have been placed in the genus *Buccinum* by LINNAEUS (1758), *Epitonium* by RÖDING (1798), *Terebra* by LAMARCK (1799), and *Vertagus* by LINK (1807). BRUGUIÈRE (1789, p. 15), who established the genus *Terebra*, failed to include any nominal species in his new genus. LAMARCK (1799) listed *Terebra subulata* (LINNAEUS) as the only species of BRUGUIÈRE's genus, and this species becomes the type-species of *Terebra* BRUGUIÈRE by subsequent monotypy. H. & A. ADAMS (1853 to 1858) combined all known Terebrid species under the familial name Terebridae and established the genus *Hastula*. DALL (1908) and BARTSCH (1923) subdivided the family into various sections and established subdivisions of the family, some of which are used as subgenera by recent authors. OYAMA (1961, 1961 a) added several taxonomic units to the family besides having re-organized the group. KURODA & HABE (1952) accept a division of four genera in the family Terebridae, i. e. *Terebra* BRUGUIÈRE, 1789, *Hastula* H. & A. ADAMS, 1853, *Diplomeriza* DALL, 1919 (= *Duplicaria* DALL, 1909) and *Terenolla* IREDALE, 1929. We have on anatomical grounds followed this arrangement with only minor additions.

The genus *Terebra* s. str. is characterized by the absence of a radular ribbon. *Duplicaria* has a radular ribbon consisting of two curved teeth per row, with additional denticles which are absent in *Hastula*. The genus *Hastula* has a radula of some two dozen rows of slender curved teeth. The radular teeth of *Impages* E. A. SMITH, 1873 (vide THIELE, 1931) are appreciably different from those of *Hastula*, so that *Impages* had to be retained as a full genus for the species *I. hectica* (LINNAEUS).

Subgenera of Terebridae have often been based on single conchological characters, mostly those of sculpture, e. g. the punctate subsutural groove separating *Hastula* s. str. from *Punctoterebra* BARTSCH, 1923, or the punctostriate grooves and cords separating *Dimidiacus* IREDALE, 1929, from *Perirhoe* DALL, 1908. Consequently authors have assigned species to these various subgenera in an amazingly haphazard fashion. For subgeneric sections we have accepted the arrangement of recent writers (BURCH, 1964, 1965), with the exception of *Punctoterebra* BARTSCH and *Dimidiacus* IREDALE, and we intend to leave the question of a more precise classification for future consideration. The existence of smooth and punctate forms of *Hastula penicillata* (HINDS), makes the validity of the subgenus *Punctoterebra* suspect. C & J 66.

SUBORDER TOXIFERA.

FAMILY TEREBRIDÆ.

GENUS TEREBRA, Adanson.

*Terebra*, Adans. pars.—Eyes at the outer bases of the tentacles.

SUBGENUS MYURELLA, Hinds.

*H. & A. Ad. Gen.* vol. i. p. 227.—Whirls with a tuberculated zone.

GENUS SUBULA, Schum. p 387

*Subula*, Schum. Ess. 1817, pars.—Distinguished by having the eyes on the tips of the tentacles, instead of on their outer bases; in the shell, by the absence of the spiral band, sinuated lip and canal.

*Aeus* (Humph.) Gray, 1847, Proc. Zool. Soc. 1847, p. 139.—*H. & A. Ad. Gen.* vol. i. p. 224.—Comp. Gray, Gen. Moll. 1856. *Terebra* (pars) auct. CARP. 57 p 382

SUBGENUS EURYTA, H. & A. Ad.

*Gen.* vol. i. p. 225.—Shell with a false umbilicus, caused by the twisting of the columella. CARP. 57 - *Buccinum*, pars, Lam.

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TEREBRIDAE

MÖRCH 1852.

**Outline of Classification**

Phylum **Mollusca**

Class **Gastropoda**

Subclass **Prosobranchia**

Order **Neogastropoda**

Suborder **Toxoglossa**

Superfamily **Conacea**

Family **Terebridae** Mörch, 1852

- 1852 Terebrina Mörch, Cat. Conchyl. Yoldi 1:74
- 1853 Acusidae Gray, Ann. Mag. Nat. Hist. (ser. 2), 11 (62):  
129 (based on *Acus* Gray, 1847) [non Lapepe, 1803]
- 1853 Terebrinae H. & A. Adams, Gen. Rec. Moll. 1:224.
- 1969 Pervicaciidae Rudman, Veliger 12 (1):63.

B&C 87.