

180. *Terebra hemphilli* Vanatta, 1924 1925 ?

(Pl. 46, figs. 180b-f)

(Pl. 39, fig. 180a)

- 1865 *Myurella simplex* Carpenter, Ann. & Mag. Nat. Hist. 3rd Ser., vol. 15:395 (non *Terebra simplex* Conrad, 1830).
- 1921 *Strioterebrum pedroanum philippianum* Dall, Bull. U. S. Nat. Mus. no. 112:67. [non *Terebra philippiana* Deshayes, 1859].
- 1924 *Terebra pedroana hemphilli* Vanatta, Proc. Acad. Nat. Sci. Philadelphia 76:425, fig. 2, 3
- 1958 *Terebra (Strioterebrum) danai* Berry, Leaflets Malac. 1(16):96.
- 1969 *Terebra danai* Berry, McLean, Mar. Shells S. Calif. p. 52, fig. 28.1.
- 1974 *Terebra (Hastula) danai* Berry, R. T. Abbott, American Seashells ed. 2:261, fig. 2852.
- 1974 *Terebra hemphilli* Vanatta, Abbott, American Seashells ed. 2:261, fig. 2853.

Description: Shell to 36 mm; color blue-gray or light brown usually with cream subsutural band, sometimes with brown spots on subsutural band and narrow white band at periphery of body whorl and showing through center of aperture; outline of whorls somewhat convex; protoconch of 1½ whorls; subsutural band with obsolete or well-developed nodes, defined by shallow groove; axial ribs narrower than interspaces, may remain sharp and clear-cut in later whorls or may become obsolete; spiral sculpture of 5 to 8 unevenly spaced, sometimes weak, grooves; aperture quadrate; columella curved.

Type locality: *T. hemphilli*, "Scammons Lagoon, Lower California," Mexico; *M. simplex*, "Sta. Barbara," California; *S. pedroanum philippianum*, "San Pedro, California to head of Gulf of California"; *T. danai*, "East San Pedro, California."

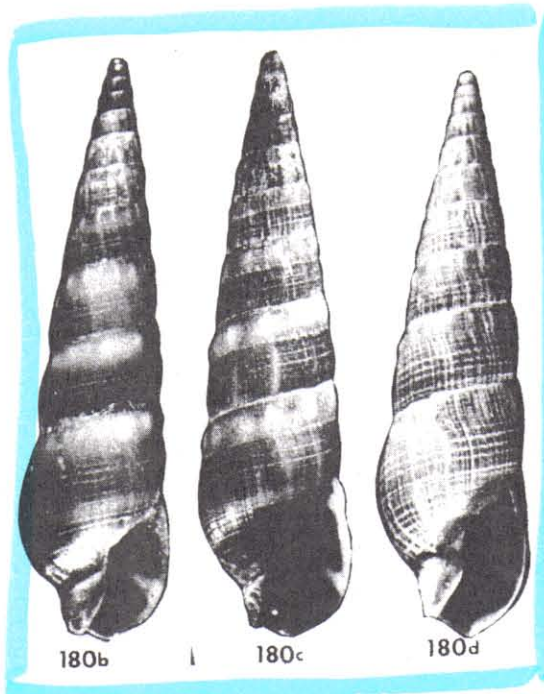
Distribution: From Redondo Beach, California, to central Baja California, Mexico; intertidal and subtidal.

Type: *T. hemphilli* holotype ANSP no. 33645, 15.6 × 3.9 mm; *M. simplex* type not found; *S. pedroanum philippianum* holotype USNM no. 4943, 23.9 × 6.9 mm; *danai* holotype Stanford Univ. Paleo coll. no. 8655, 31.4 × 8.6 mm.

Discussion: The shells from the southern end of the range at Scammons Lagoon are somewhat smaller than those in more northern waters but the holotypes show them to be the same species. It was named for Henry Hemphill (1830-1914), an ardent collector of Florida and California shells.



180a



180b

180c

180d

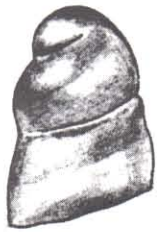


180f

180a-f, *T. hemphilli* Vanatta.
180a, **Lectotype** Academy Natural Sciences, Philadelphia No. 33645; 16.0 mm. 180c, d, **Paralectotypes** same Institution No. 354866; 15.3 mm and 14.3 mm respectively.

180f, San Pedro, California; 20.2 mm.

B. 180-1156



Terebra hemphilli Vanatta, 1924
Hemphill's Auger

2853

HEMPHILLI (2)

VANATA 1924

(V) (180)

West coast of Baja California.

$\frac{1}{2}$ to $\frac{3}{4}$ inch, about 10 whorls. This species, although smaller and more slender, resembles *T. danai* in color and sculpture. The columella is straighter and the aperture semi-elongate. Fairly common in the Scammon's Lagoon area.

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Terebra pedroana hemphilli n. var. Figure 3.

Shell small, subulate, bluish, with a few grayish tubercles on the sutural band, and a grayish peripheral band near the aperture. Whorls 10, the apical two are smooth, the next two with about 14 vertical, spaced, narrow costae, which become obsolete on the lower whorls. Surface covered with microscopic spiral striæ, two being deeper than the rest on the upper whorls, and four or five on the base. The sutural band is defined by a deep sulcus.

Aperture elongate, rich brown within, with a white sutural and peripheral band, outer lip acute, arcuate, white, basal lip with a deep siphonal notch, siphonal fasciole strongly cuncate at the upper edge, columella brown.

Alt. 15, diam. 4, apert. alt. 4, diam. 2 mm.

The type is in the Academy's collection, being No. 33645, from Scammons Lagoon, Lower California, collected by H. Hemphill. It is smaller and smoother than *Terebra pedroana* Dall.



Terebra ornata Martyn, described as *Buccinum ornatum* Martyn (Univ. Conch., 1786, pl. 92; Chenu, Bib. Conch., 1845, 1st ser., vol. 2, pl. 33, fig. 1), is the same as the oriental *Terebra oculata* Lam. (Anim. s. Vert. 1844, vol. X, p. 242, and Tryon, Man. Conch. vol. VII, p. 10, pl. 2, fig. 20).

This does not invalidate the use of *Murellina ornata* Gray, described as *Terebra ornata* Gray, in the Proceedings of the Zoological Society of London, 1834, p. 62.

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Fig. 3.—*Terebra p. hemphilli*.

A light to dark brown species which is evidently restricted to the Scammon's Lagoon area of Baja California; to approx. 20 mm.

Terebra hemphilli Vanatta
BAJA CALIFORNIA SK



T. HEMPHILLI
(Vanatta, 1924) 15 mm. - Baia della California, Messico. In acqua bassa. Sabbia fine.

August 1910

foto nuove

Terebra hemphilli Vanatta, 1925

Descrizione originale:

1925, Proc. Acad. Nat. Sci. Philadelphia 76:425

"Shell small, subulate, bluish, with a few grayish tubercles on the sutural band, and a grayish peripheral band near the aperture. Whorls 10, the apical two are smooth, the next two with about 14 vertical, spaced, narrow costae, which become obsolete on the lower whorls. Surface covered with microscopic spiral striae, two being deeper than the rest on the upper whorls, and four or five on the base. The sutural band is defined by a deep sulcus.

Aperture elongate, rich brown within, with a white sutural and peripheral band, outer lip acute, arcuate, white, basal lip with a deep siphonal notch, siphonal fasciole strongly carinate at the upper edge, columella brown.

Alt. 15, diam. 4, apert. alt. 4, diam. 2 mm."

Holotype A NSP.

Pochiss. diversi esemplari di questo relativamente piccolo
conchiglia, pur sempre in non buone condizioni, provenienti
tutte dalle baie dello California, ^{presso} (Guerrero Negro, Laguna de
San José). ~~Si~~ trovate on sand flats at low tide.
Puo' confondersi con forme piccole di altre specie. ~~T. dani~~
Berry, e' suo Homônimo -