



c) *Terebra (Strioterebrum) pedroana* Dall, x 2.

Terebra (Strioterebrum) pedroana Dall, Plate 28c

This shell has a slim spire about twice as high as the body whorl. The whorls are sculptured with fine spiral bands and grooves, and with radial ridges each of which ends in a node on the shoulder of the whorl.

This species has been collected from the Pliocene in Balboa Park and in the Pleistocene at several localities in San Diego. It lives today in shallow water off southern California and Baja California, Mexico.

NOORE P 60

179. *Terebra pedroana* Dall, 1908

(Pl. 46, figs. a-c)

1908 *Terebra (Strioterebrum) pedroana* Dall, Bull. Mus. Comp. Zool. Harvard 43(6):251.

1927 *Terebra pedroana* Dall, Oldroyd, Mar. Shells W. Coast N. America 2:59, pl. 6, fig. 6; 1966 Morris Field Guide Shells p. 102, pl. 40, fig. 9; 1969 McLean, Mar. Shells S. California p. 52, pl. 28, fig. 4; 1984 Aubry, Terebridae pl. 9.

Description: Shell to 47 mm; color dull gray to yellowish beige, sometimes blotched with fulvous brown; outline of whorls straight; protoconch of 1½ whorls; subsutural band with nodes, sometimes completely obsolete, band defined by very weak groove; sculpture extremely variable, some individuals with many weak ribs crossed by weak spiral grooves, others with well developed axial ribs and spiral grooves; aperture quadrate; columella short, recurved.

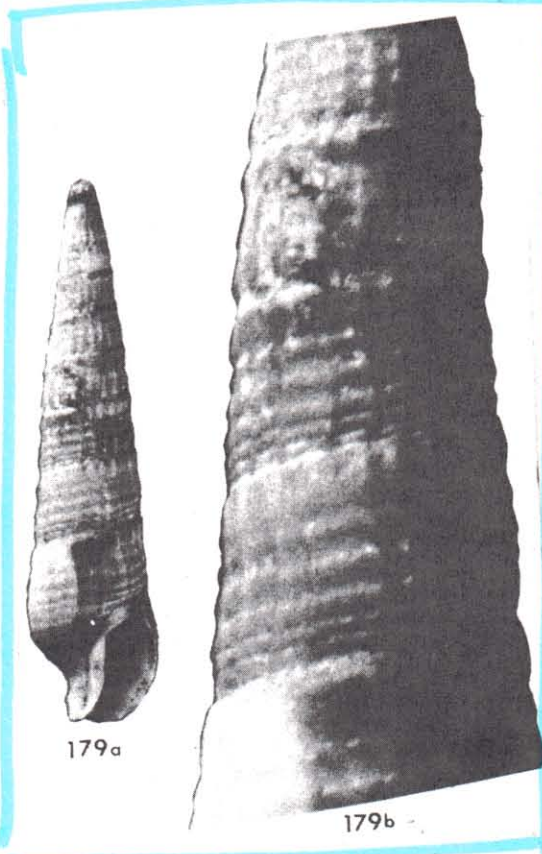
Type locality: "San Pedro, California."

Distribution: From Santa Monica, California, to southern Baja California, Mexico; subtidal to 260 m.

Type: Holotype USNM no. 118806; 32.0 × 6.5 mm.

Discussion: This shell is more elongate and more slender than *T. hemphilli* (180) and has a squared-off body whorl and gray to tan color. That of *T. hemphilli* is more inflated and rounded and has darker whorls with a contrasting light subsutural band.

B 179-174



179a-c,

T. pedroana Dall. 179a, Holotype National Museum Natural History, Washington, No. USNM-118806; 32.0 mm. 179b, Middle whorls of holotype.

Terebra (Strioterebrum) albocincta (Carpenter) variety pedroana Dall

Plate 24, Figures 18, 24

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- Myurella simplex* Carpenter, Brit. Assn. Adv. Sci., Rept. for 1863, p. 657, 1864; Ann. Mag. Nat. Hist., Ser. 3, Vol. 15, p. 395, 1865; Gabb, Geol. Surv. Calif., Palæo., Vol. 2, p. 78, 1868-69; Cooper, 7th Ann. Rept. Calif. State Mineralogist, p. 253, 1888; Keep, West Coast Shells, p. 56, fig. 40, 1888, 1892; not of Conrad, 1830.
- Terebra (Acus) simplex* Carpenter, Williamson, Proc. U. S. Nat. Mus., Vol. 15, p. 207, 1892; Arnold, Mem. Calif. Acad. Sci., Vol. 3, p. 198, 1903.
- Terebra (Strioterebrum) pedroana* Dall, Bull. Mus. Comp. Zool., Harvard College, Vol. 43, p. 251, 1908.
- Strioterebrum pedroanum* Dall, Bull. 112, U. S. Nat. Mus., p. 67, February 24, 1921.
- Strioterebrum pedroanum philippianum* Dall, Bull. 112, U. S. Nat. Mus., p. 67, 1921, not *Terebra philippiana* Deshayes, 1859.
- Terebra (Strioterebrum) pedroana* Dall, Oldroyd, Stanford Univ. Publ. Geol., Vol. 2, Pt. 1, p. 59, pl. 6, fig. 6, 1927; Waterfall, Univ. Calif. Publ. Geol., Vol. 18, p. 78, 1929.
- Terebra (Strioterebrum) pedroana philippiana* Dall, Oldroyd, *op. cit.*, p. 60, 1927.
- Terebra pedroana* Dall, E. K. Jordan, Proc. Calif. Acad. Sci., Ser. 4, Vol. 15, p. 245, 1926; Stephens, Trans. San Diego Soc. Nat. Hist., Vol. 5, p. 252, 1929.
- Terebra pedroana philippiana* Dall, E. K. Jordan, *op. cit.*, p. 245, 1926.

Shell like that of *T. albocincta* (Carpenter), but with the sutural band nodulous on the early whorls only; axial ribs low and distinct or reduced to mere lines of growth; color bluish white to yellowish brown, irregularly blotched. Size: Length, 32 mm.; diameter, 6.5 mm. (After A. M. Strong, MS.)

Type specimens: Of *pedroana* and of *philippiana*, in the U. S. National Museum.

Type localities: Of *pedroana*, San Pedro, California, Recent; of *philippiana*, new name for *simplex* Carpenter, Santa Barbara, California, Recent.

Pliocene: San Diego well (Dall).

Pleistocene: Rare in "Pliocene" of Deadman Island and Timm's Point, San Pedro; Barlow Canyon, just east of Ventura (Arnold); "Saugus" near Ventura (Waterfall); rare in lower San Pedro series of San Pedro region; foot of Twenty-sixth Street, Spanish Bight, and Pacific Beach, San Diego (Arnold); Spanish Bight, San Diego (F. Stephens); palisades at Santa Monica (coll. by F. C. Clark); upper Pleistocene at San Quintin Bay, Lower California, Mexico (Jordan).

Recent: Santa Barbara, California, to the Gulf of California, Mexico.



The variety *philippiana* is supposed to be distinguishable from *pedroana* by its less distinctly developed axial ribs.

CRANT & GALE 1931 p 469

FIG. 18. *Terebra (Strioterebrum) albocincta* (Carpenter) variety *pedroana* Dall, Recent specimen from San Diego, labeled 2133A in the collection at Stanford University; length 22 mm. This specimen belongs to the variation with weaker nodes on the anal fasciole.

FIG. 24. *Terebra (Strioterebrum) albocincta* (Carpenter) variety *pedroana* Dall, Recent specimen from the same lot as the specimen shown in fig. 18; length 22 mm. This specimen is a more strongly sculptured variation.



TEREBRA PEDROANA Dall San Pedro Auger

Pl. 40

Range: Redondo Beach, California, to Mexico.
Habitat: Shallow water.

Description: A slender, spikelike shell of 10 or 11 whorls, the taper very regular to a sharp apex. Height slightly more than 1 in. Each volution decorated with numerous weak vertical ridges and a few obscure revolving lines, and there is a series of closely spaced beads spiraling up the sutures. Aperture small; inner lip twisted at the notchlike canal. Color yellowish white, with irregular splashes of brown; some individuals nearly solid brown.

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Terebra pedroana Dall, 1908
San Pedro Auger

2850

Redondo Beach, California, to Baja California.

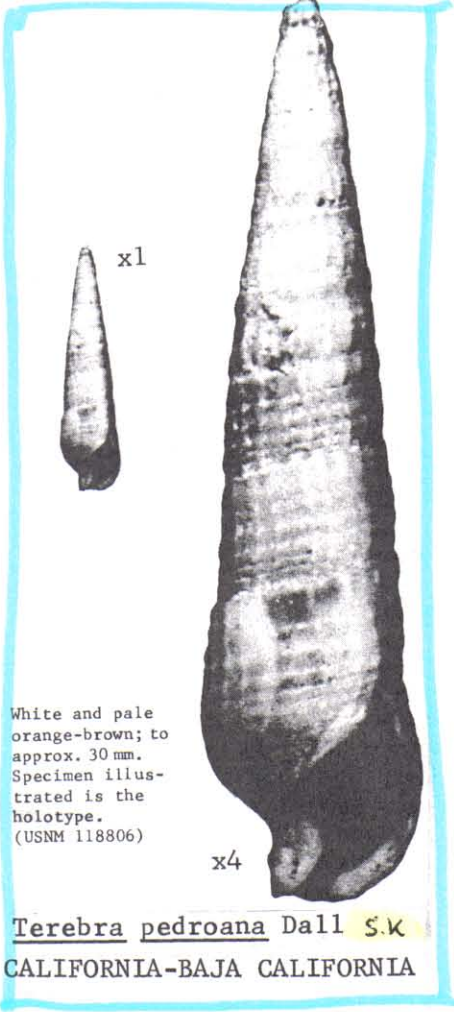
1 to 1 1/4 inches in length, strong, slender, with about 12 whorls and colored grayish to whitish yellow or brownish. Sculpture between sutures of first a fairly broad row of well to poorly developed nodules (about 15 to 18 per whorl), followed below by a flat area which is weakly and axially wrinkled or ribbed and with numerous, fine, spiral, incised lines. Siphonal canal bounded by a sharp spiral line on the outer shell. Fairly common in shallow water from sandy shores to 30 fathoms.

TA. ASS 74 p 260



TEREBRA PEDROANA (Dall, 1943) 40 mm. - California. In acqua relativamente protetta. da. Fino a 90 m.

AOB 24 P 29



2850

White and pale orange-brown; to approx. 30 mm. Specimen illustrated is the holotype. (USNM 118806)

x4

Terebra pedroana Dall S.K.
CALIFORNIA-BAJA CALIFORNIA

Terebra (Strioterebrum) pedroana DALL, n. sp.

Shell small, slender, acute, apex (slightly decollate); subsequent whorls flattened, about eleven in number, the sutural band, on the early whorls, axially undulate by the prolongations of the ribs across the feeble sulcus to the suture; axial sculpture of numerous, nearly vertical, low, narrow riblets with wider interspaces, proportionately less marked on the last whorl; these are crossed without nodulation by three obscure flattish spiral bands, with one or two narrower and more thread-like, and on the base of the last whorl six or seven more feeble spirals of the same sort, all with narrower feebly channelled interspaces; aperture narrow behind a thin callus and anterior keel on the pillar; outer lip thin, sharp; canal very short, recurved, bordered by a prominent sharp keel on the posterior edge of the siphonal fasciole, hardly visible on the pillar but perceptible within the whorls; color bluish white with irregular blotches of yellowish brown, or all brownish. Lon. of (decollate) shell, 32; of last whorl, 12; of aperture, 8; max. diam., 6.5 mm.

U. S. Nat. Museum 118,806 and 32,772, both from San Pedro, California, Stearns and Mrs. Burton Williamson.

This species, which had been regarded as a variety of *T. plicata* Gray, resembles that species but is smaller and more slender. The specimens had been in the collection many years. Further search will doubtless show it to be extended southward in its geographical range.

DALL 1908 p 251

Terebra pedroana Dall

San Pedro Auger

Redondo Beach, California, to Lower California.

1 to 1 1/4 inches in length, strong, slender, with about 12 whorls and colored grayish to whitish yellow or brownish. Sculpture between sutures of first a fairly broad row of well to poorly developed nodules (about 15 to 18 per whorl), followed below by a flat area which is weakly and axially wrinkled or ribbed and with numerous, fine, spiral, incised lines. Siphonal canal bounded by a sharp spiral line on the outer shell. Fairly common in shallow water.

AG 6077 1954 p 267

Terebra (Strioterebrum) pedroana Dall.—Syn., *T. simplex* Cpr. (Arnold, 1903); *T. pedroana philippiana* Dall (Dall, 1921; Oldroyd, 1927).—(260). Abundant. The typical and the variant named *philippiana* both present.

WILLET 1957 p 333 POSS L.O

STRIOTEREBRUM PEDROANUM Dall, 1908.

Bull. Mus. Comp. Zool., vol. 43, No. 6, p. 251.

San Pedro and San Diego, California. DALL 1921 US NAT. MUS. BULL 112 p 67

179

28.4 *Terebra pedroana* Dall, 1908. SAN PEDRO AUGUR. Shell with spiral incisions and axial ribs that are strong on the final whorl. subsutural band offset but not bearing strong nodes. More elongate than *T. danai*. Height, 30-45 mm. Found with *T. danai*, on offshore sandy bottoms. Range: San Pedro, California, to southern Baja California. Mc LEANS 8 p 52

