

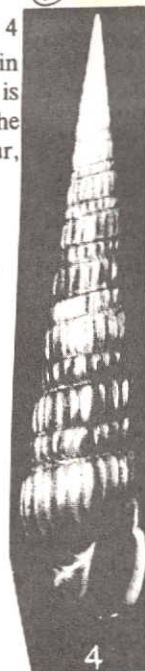
Duplicaria thaanumi (Pilsbry, 1921)

Plate 53 Figure 4

The species is similar to *D. gouldi* (Deshayes) in size, form and sculpture, but differs in the following characters: the whorls are shorter, especially the body whorl, the sutural band is broader and more indented, axial riblets tend to be angulate at the presutural groove and the protoconch has 3-3½ conical embryonic whorls. It is usually buff or orange-brown in colour, ornamented with nebulous brown axial streaks and spots at the sutures.

Uncommon. Endemic to the Hawaiian Islands; subtidal.

C78 p 149

4. *D. thaanumi* (Pilsbry). Hawaiian I. To 3 inches. P. 149

252. ***Duplicaria thaanumi*** (Pilsbry,
1921)

(Pl. 64, fig. 252a,b;
pl. 65, fig. 252c)

- 1869 *Terebra costellifera* Pease, American Journ. Conch. 5(2):66. [*nomen oblitum*].
- 1921 *Terebra thaanumi* Pilsbry, Proc. Acad. Nat. Sci. Philadelphia 90:305, pl. 12, figs. 1, 2; 1974 Quirk & Wolfe, Seashells Hawaii p. 14, fig. 15; 1978 Salisbury, Hawaiian Shell News 26(8):9, text fig.; 1979 Kay, Hawaiian Marine Shells p. 402, fig. 129e; 1982 Abbott & Dance, Compendium of Seashells p. 275; Aubry, Terebridae pl. 13.
- 1978 *Duplicaria thaanumi* (Pilsbry), Cernohorsky, Tropical Pacific Marine Shells p. 149, pl. 53, fig. 3.

Description: Shell to 95 mm; color cream, pale orange, or light cinnamon brown, sometimes with darker subsutural band or with inconspicuous dark streaks; outline of whorls slightly turreted; protoconch of 3½ conical whorls; subsutural band of sharp ribs defined by deep groove; axial ribs sharp, angulate, jutting out at a sharp angle anterior to subsutural groove; spiral sculpture absent; aperture quadrate; columella slightly curved.

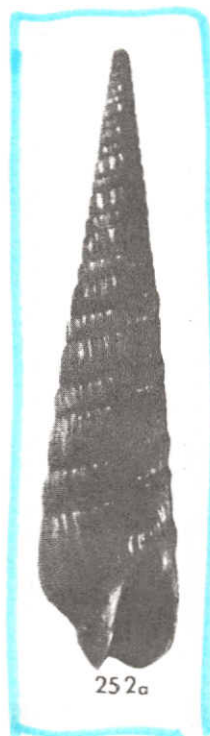
Type locality: *D. thaanumi*, "Off Honolulu, Hawaii, 6 to 8 fms"; *T. costellifera*, "Oahu, Hawaii."

Distribution: The Hawaiian Is.; subtidal to 100 m.

Type: *D. thaanumi* holotype ANSP no. 117.019, 59.9 × 13.3 mm; *T. costellifera* lectotype MCZ no. 248800, 19.3 × 5.4 mm.

Discussion: This species may be separated from *D. gouldi* (250) by its shorter whorls, deeper subsutural groove, ribs which jut out at an angle anterior to the subsutural band, and a protoconch of 3½ whorls. *D. gouldi* has a protoconch of 1½ whorls and non-planktonic development in contrast to the planktonic development of this species. It was named for the well-known collector from Hawaii, Ditlev Thannum (1867–1963).

Fig. 252-b 206



152 a, b, *D. thaanumi* (Pilsbry). 252a, Holotype Academy Natural Sciences, Philadelphia No. 117019; 59.9 mm.

FIG. 252c. *Duplicaria thaanumi* (Pilsbry). Middle whorls.

THAANUMI (2)
 PILSBRY 1921
 (V) (252)

Terebra thaanumi n. sp. Pl. XII, figs. 1, 2.

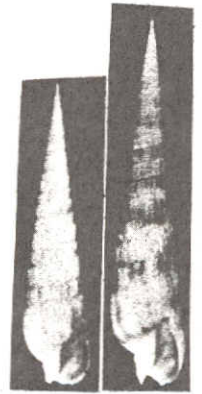
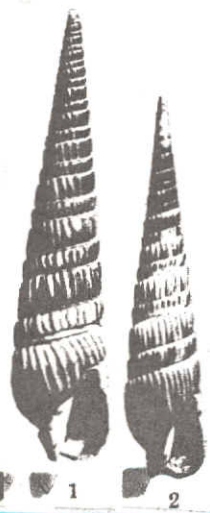
A shell resembling *T. gouldii* Desh.; the whorls shorter than in that species, especially the last whorl, which is much more convex; aperture shorter. It is pinkish buff with ill-defined streaks of cinnamon or russet. The sides are straight. The suture and the furrow defining the presutural fasciole are subequal, deeply impressed, the surface narrowly shouldered, subangular below both. The presutural band occupies somewhat more than one-third of each whorl. Sculpture of smooth ribs equal to their intervals, about 30 on the penult whorl. No interstitial spiral sculpture. The last whorl contracts abruptly below, the base well rounded, separated from the siphonal fasciole by a furrow bounded below by a sharp ridge. The aperture is subtrapezoidal. Columella straight, obliquely truncate.

Length 60, diameter 13.5, aperture 14 mm.; 12 whorls, the apex broken. Type.

Length 51, diameter 10.7, aperture 12.3 mm.; 18 whorls, apex perfect.

Off Honolulu in 6 to 8 fms. D. B. Langford. Also off Waikiki in 25 to 50 fms.

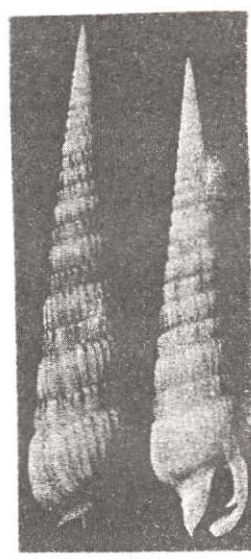
By conchological criteria this would probably belong to *Duplicaria*; yet until the teeth of many more species of *Terebra* are examined, no classification of the species has much value. Pilsbry 1921 p. 305



Upper Row, Right and Left

THAANUM'S AUGER SHELL *Terebra thaanumi* Pilsbry

Thaanum's auger shell is one of the smaller Pacific species and is difficult to identify because it so closely resembles another species described as *Terebra gouldii* Deshayes. It is moderately slender, straight in outline, and is covered over the outer surface by many smooth, longitudinal ribs. It is encircled anterior to the suture by a groove which marks off a rather wide presutural band; this band is approximately one-third of the width of the whorl. It is a light colored shell of a pinkish buff tint upon which are vague, indistinct, and poorly defined reddish brown markings. It reaches two inches in length. This species occurs in Hawaiian waters. TINKER 1914



*Terebra thaanumi*⁵ Pilsbry 1920

Length: 65 mm.
 Distribution: Hawaiian Islands
 Habitat: Deep water (uncommon)

- 5. *T. thaanumi* differs from *T. gouldii*: Whorls shorter, particularly last whorl and aperture; more numerous transverse grooves on presutural band; color pale cinnamon with occasional russet streaks. Original description of *T. thaanumi*: H. A. Pilsbry, Marine Mollusks of Hawaii, Parts 8-13. Proc. Acad. Nat. Sci. Phila., 1920, Vol. 69, p. 305.

WEAVER 1960



Terebra thaanumi Pilsbry, 1921. Fig. 129 E. Length, 56 mm; diameter, 12 mm. *Shell*: ventricose, whorls convex; finely axially ribbed; interspaces smooth; sutural band defined by a groove; cinnamon-brown. *Spire*: protoconch of about three conical whorls; teleoconch of 14 or 15 short, convex whorls; suture impressed. *Sculpture*: smooth, oblique, fine axial ribs, the interspaces about equal in diameter to the ribs; sutural band marked by a smooth groove. *Aperture*: ovate; columella twisted. *Color*: cinnamon brown or russet, not marked with darker brown as in the shells of *T. gouldii*.

This terebrid occurs at depths of from 40 to 80 m.

T. thaanumi was described from the Hawaiian Islands. Pilsbry distinguished the shells from those of *T. gouldii* by the shorter, more convex whorls and the chestnut to cinnamon-brown color. A'KAY 1978 p. 402

E. *T. thaanumi*, length 50 mm.

By ROGER SCHMELTZ

Midway Island's version of *Terebra thaanumi* Pilsbry, 1921, supposedly endemic to Hawaii, is rather unusual in both size and color. Consequently nearly one year passed before I could confirm its identification.

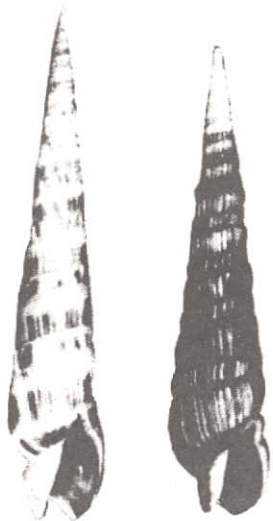
Of the specimens in my possession, the two largest measure 9.55 and 9.41cm. They were found in two meters of water half a mile north of Midway's old boat house — within 100 feet of each other, yet fourteen months apart. A third specimen (crabbed, however) measuring just under 9cm was found in the same area.

A third live specimen measuring 7.38cm was found by my wife, Elaine, beached on the south side of the main island. The operculum was intact.

In the figure, the smallest shell (included for comparison) is a typical Oahu (Hawaii) specimen in size and color.

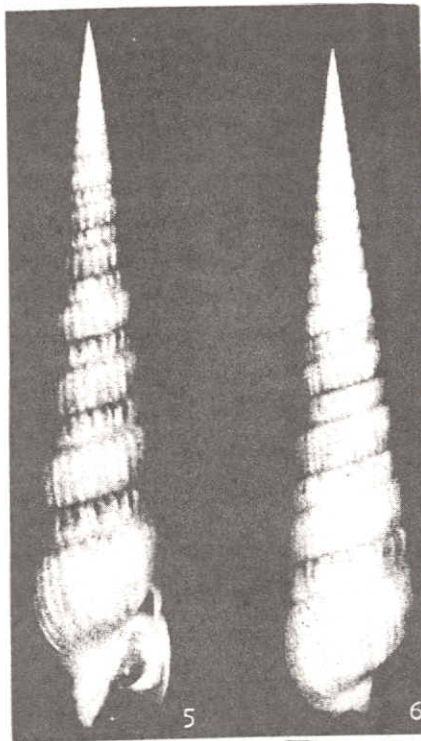
Abbott and Wagner's *Standard Catalog of Shells* lists 6.06cm as the maximum on record, so the Midway specimens represent a substantial increase in size.

THAANUMI (B)
PILSBRY 1921
252



T. gouldi T. thaanumi

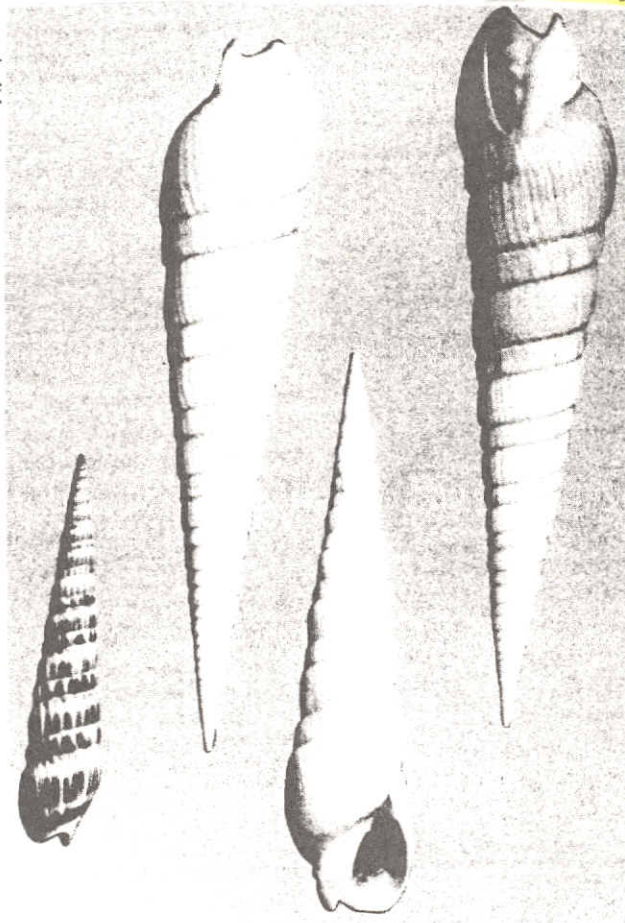
Terebra thaanumi Pilsbry, 1921. Twila Bratcher no longer agrees with me that *T. thaanumi* can be separated from *T. gouldi*. "We keep on learning" she explained.



Figs. 5 and 6:

Terebra thaanumi, Pilsbry, 1920; length 65 mm.

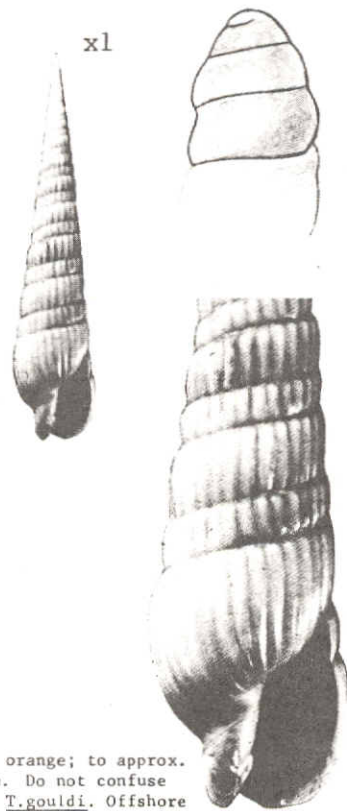
HSN JAN 64



(Oahu)

T. thaanumi Pilsbry

(Midway)



Pale orange; to approx. 55mm. Do not confuse with *T. gouldi*. Offshore in fairly shallow water. (USNM 338780)

x2

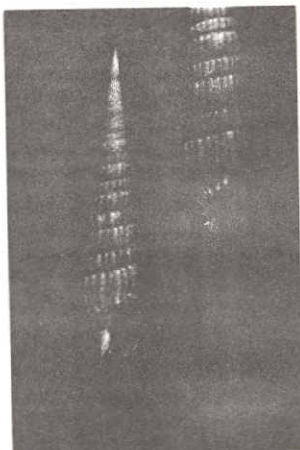
Terebra thaanumi Pilsbry

HAWAII

S.K.

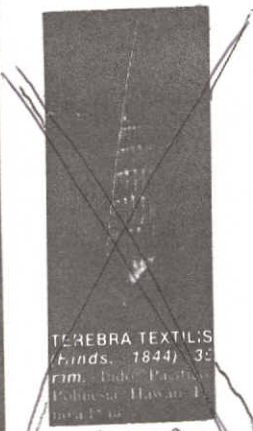


HSN AUG 80 (HAW)



Thaanum's Auger (2") 5 cm *Terebra thaanumi* Pilsbry, 1921. Hawaiian Islands. Offshore, 40-80 m; uncommon.

COMPENDIUM 1275



~~TEREBRA TEXTILIS (Finds. 1844) 35 mm. Indo-Pacific Polynesia: Hawaii, 1844~~

ANITA PEG



T. THAANUMI (Pilsbry, 1921) 50 mm. - Islet Hawaii. In aqua abbastanza profonda. Da 40 a 80 m.

ANITA PEG