

189. *Terebra arcas* Abbott, 1954

(Pl. 49, figs. 189a,b)

1954 *Terebra arcas* Abbott, Nautilus 68(2):40, pl. 2, fig. 4;  
1974 Abbott, American Seashells ed. 2:259, fig. 2840.

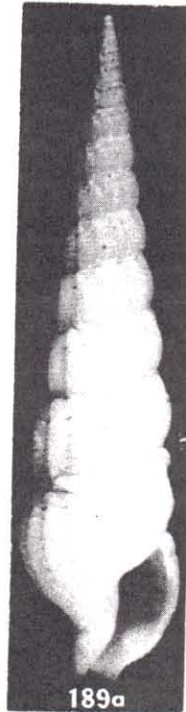
**Description:** Shell to 27 mm; color white, occasionally with yellowish orange early whorls, and rarely with one wide spiral band of orange; outline of whorls from moderately to extremely convex; protoconch of  $1\frac{1}{2}$  whorls; subsutural band defined by groove usually confined to interspaces between ribs, occasionally cutting lightly through ribs, but not indenting outline; axial ribs curved, extending from suture to suture, 12 to 16 per whorl; spiral grooves, 5 to 7 may cut across ribs, but most often are confined to interspaces; aperture quadrate; columella recurved, one basal plication.

**Type locality:** "East of Arcas Cay, southern Campeche Banks, Mexico, 23 to 24 fms."

**Distribution:** From the west coast of Florida to Mexico; 4 to 100 m.

**Type:** Holotype USNM no. 613882; 27.0 × 6.8 mm.

**Discussion:** The holotype of this species has extremely inflated whorls, but this is a variable feature of the species, which sometimes has only mildly inflated whorls. To distinguish it from *T. glossema* (190) refer to the next species. B-189-1#2



189a,b, *T. arcas* R.T. Abbott. 189a, Holotype National Museum Natural History, Washington No. USNM-613882; 27.0 mm. 189b, Middle whorls of holotype.



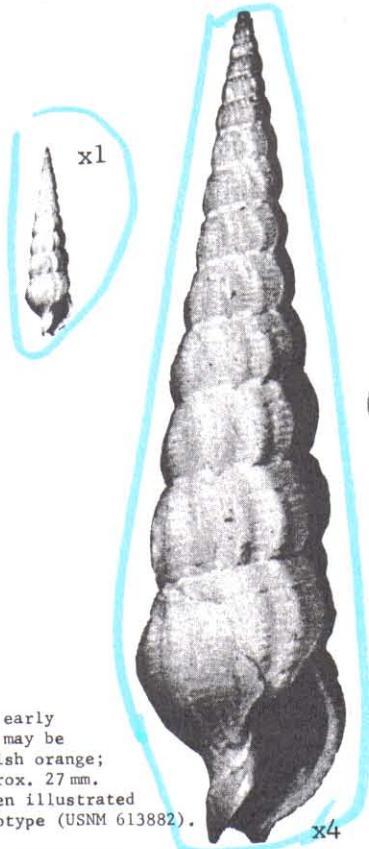
ARCAS (2)  
ABBOTT 1954

(V) (189)

West coast of Florida to Mexico.

15 to 27 mm., its width  $\frac{1}{4}$  of its length, semiglossy white with yellowish orange early whorls; rarely with a wide band of orange. With 12 to 16 axial ribs per whorl with the interstices concave. Spiral sculpture of 5 to 7 incised lines, with the topmost one cutting across the ribs. Siphonal fasciole bordered above by a small, sharp thread. Columella with 1 weak, spiral fold at the base. Uncommon; 2 to 50 fathoms. Differs from *glossema* Schwengel which has 27 arching ribs on the last whorl.

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White; early whorls may be yellowish orange; to approx. 27 mm. Specimen illustrated is holotype (USNM 613882).

CAMPECHE (MEXICO) S.K.  
*Terebra arcas* Abbott

TEREBRA (STRIOTEREBRUM) ARCAS n. sp. Pl. 2, fig. 4

*Description.*—Shell 15 to 27 mm. (1 inch) in length, moderately slender, its width being about  $\frac{1}{4}$  of its length; semiglossy, usually opaque-white, but may be blushed, particularly on the early whorls, with light yellowish orange; rarely with one wide spiral band of orange;  $1\frac{1}{2}$  nuclear whorls smooth, glossy, transparent and clear or tan-orange. Suture sharply impressed and wavy. Whorls convex. Axial ribs strong, smooth, moderately arched and extending uninterrupted from suture to suture; 12 to 16 ribs per whorl, with the interstices concave and with rounded sides. Spiral sculpture consists of 5 to 7 sharply incised lines which are absent or weak in the first few whorls, but become increasing strong in later whorls. Only the uppermost and strongest incised line crosses the crest of the axial ribs in some specimens. Last whorl and base well-rounded and with a total of about 16 incised spiral lines. Lower half of outer lip slightly advancing. Siphonal canal relatively large and only slightly twisted. Siphonal fasciole bordered above by a small, sharp thread. Columella with one weak, spiral fold at the base.

Length	Width	No. whorls	
27.0 mm.	7.0 mm.	15	Holotype, U.S.N.M. No. 613882
24.5 mm.	4.5 mm.	12	Paratype, Steger Collection
7.0 mm.	2.3 mm.	8	Paratype, U.S.N.M. No. 613883

*Types.*—Twenty-one paratypes were returned to the Steger collection in Tampa, Florida; one is in the Acad. Nat. Sci. Phila., No. 191712, and 8 are in the U. S. National Museum, No. 613883, including the holotype, U.S.N.M. No. 613882.

*Type locality.*—East of Arcas Cays, southern Campeche Bank, Mexico, 23 to 24 fathoms. 1953. Shrimpboat, "Sea Hag."

The type lot is apparently a mixture of the above locality and two others: 35 miles E.N.E. of Arcas Cays, 17 fathoms; and 25 miles N.N.W. of Arcas Cays, sandy mud, 26 fathoms. I suspect that the 14 young specimens, which show little spiral sculpturing, come from one locality, and that the two orange-banded specimens are from another locality.

*Remarks.*—In morphological characters, *Terebra arcas* is closest to *T. glossema* Schwengel 1940 and 1942 (see NAUTILUS, vol. 53, pl. 12 and vol. 56, p. 65, pl. 6). The latter was recorded from off Pelican Shoal, Florida Keys, and the National Museum now has specimens from 1 to 3 fathoms from Cardenas Bay, Cuba, collected by the Tomas Barrera Expedition. *T. glossema* differs in having more and less arching axial ribs (27 on the last whorl) and in having much flatter-sided whorls. Both of these species (or subspecies) somewhat resemble *T. nassula* Dall from the West Indies and the shallow-water *T. protexta* Conrad of southeast United States.

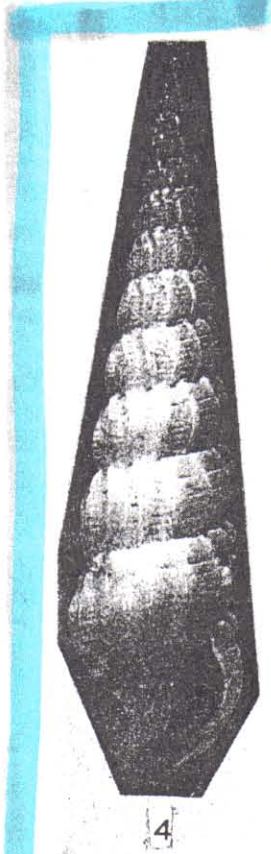


FIG. 4, *Terebra arcas* Abbott, holotype.

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