



HSN AUG 78

Hastula sp. No. 3. A small *Hastula* (possibly juvenile) was found in great numbers near Makaha, Leeward Oahu (Honolulu), by HMS member John Earle, who presently has them under study to determine whether they are indeed adult shells and, if so, what species.



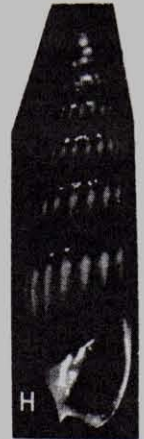
HSN JAN 83

Several terebrids figured in HSN Aug. 1978 were not identified. The 1978 Species #3 — shown here as Fig. 3 — was identified in *Hawaiian Marine Shells* as *Hastula tiedemani* Burch, 1965. These shells are found in colonies. I suspect that these tiny *Hastula* are juveniles of *Hastula matheroniana* (Deshayes, 1859).

Hastula tiedemani Burch, 1965. Fig. 126 H. Length, 4.5 mm; diameter, 1.10 mm. *Shell*: subulate, shining; with oblique, straight axial ribs; cinnamon brown, splashed with white on the back. *Spire*: protoconch of four and one-half inflated, slightly excentric whorls; teleoconch of four rather straight-sided whorls; suture impressed. *Sculpture*: bold, oblique axial ribs, about 11 on the last whorl 1 mm in diameter, separated by smooth interspaces of about the same diameter as the ribs; ribs extending from suture to suture and below the periphery of the last whorl. *Color*: dark cinnamon brown, ribs light gray and usually with a band of white on the back of the outer lip; aperture white.

These terebrids are found, often in dense colonies, at depths of about 10 m on the leeward coast of Oahu.

H. tiedemani was described from the Hawaiian Islands. A. VAN 1978 p 390



H. H. tiedemani, length 5 mm.

Hastula (Hastula) tiedemani R. D. BURCH, spec. nov.

(Plate 31, Figure 6) p 241

Description: Shell very small, moderately subulate in shape, with flat-convex whorls; sculpture of straight, sharp, strong axial ribs extending from suture to suture on each whorl, fading at the periphery of the body whorl; interstitial spaces between the ribs smooth with no spiral sculpture; protoconch of three and one-half conical whorls, amber colored, darker on the anterior part. Shell color a shining white, with a faint light-brown wide band on the anterior portion of the whorls, extending around the base of the body whorl anterior to the periphery. Aperture narrow; columella straight, simple; siphonal canal a little reflected. Length 6.0 mm; width 1.5 mm.

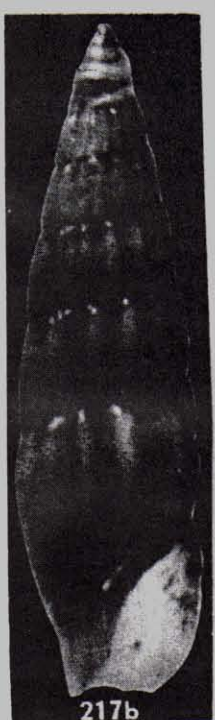
Holotype: Museum of Comparative Zoology, Harvard University, No. 251237.

Type Locality: The holotype was collected at 50 foot depth with the use of diving equipment by Mr. Alan Tiedeman in Maalaea Bay, off Kihei, Maui, Hawaii, in January, 1964. Lat. 20° 46' N; Long. 156° 30' W.

Discussion: This minute species must be considered very rare since only a single specimen has been obtained during the extensive collecting in the Hawaiian Islands. This may be partially attributable to the very small size; it is the smallest species of *Hastula* known to me. The holotype is an adult specimen of six complete whorls in addition to the protoconch, and the body whorl exhibits the characteristics found in adult specimens of the genus. *Hastula tiedemani* resembles *H. albula* (MENKE, 1843) (= *H. casta* (HINDS, 1844)), except that *H. albula* is very much larger with wider and more obese whorls. *Hastula tiedemani* differs from *H. medipacifica* PILSBRY, 1921, which has also suture-to-suture axial ribs, in that the former is very much shorter, with a narrower apical angle and a different color arrangement. The sculptural variations of both *H. albula* and *H. medipacifica*, the two species which most closely resemble *H. tiedemani*, are in all instances much larger and wider, with a greater apical angle, and the width of the aperture proportionately greater.

An effort has been made to secure additional specimens; however, the rarity and small size of this species have combined to prevent the collection of any other specimens. These factors have determined that this species be described from the unique specimen designated as the holotype.

This species is named in honor of Mr. Alan Tiedeman for his numerous additions to the knowledge of the terebrid species indigenous to Hawaii. BURCH 1965 p 241/2



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Type-figure of *H. tiedemani* R. D. Burch, from Burch, 1965, pl.31, fig.6; 6.0 mm.

BR 4-87



Figure 6: *Hastula tiedemani*; MCZ No. 251237 (x 9 1/2) (Hol)