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NEW JAPANESE MARINE MOLLUSCA.

BY HENRY A. PILSBRY.

The new species described herein are further evidences of the energy and industry with which Mr. Hirase is investigating the molluscan fauna of his country. For the illustrations I am indebted to Mr. Vanatta.

A name used by me last year, *Terebra hedleyi*, proves to have been applied before to a different species.¹ I propose, therefore, to change the name of the Japanese species to *Terebra hedleyana*. The description may be found in these *Proceedings* for 1904, p. 3.

Conus voluminalis avus n. subsp. Pl. II, fig. 4.

General form of *C. voluminalis* Hinds, but the later whorls are almost flat instead of concave above, and are smooth except for weak oblique growth-wrinkles. The conic earlier whorls are weakly marked with about three spiral lines, and the angular periphery is very slightly nodulous and projects a little above the suture. The last whorl is smooth except for about twelve grooves at the base.

Length 38, diam. 19 mm.

Kikai, Ōsumi, in a deposit probably of Pliocene age. Types No. 88,296, A. N. S. P., from No. 1,578 of Mr. Hirase's collection.

Conus aratispira n. sp. Pl. II, fig. 1.

Shell slender and long, with high, turreted spire, biconic, the cone of the spire about one-third the total length, somewhat terraced, the whorls angular in the middle, smooth below the angle, steeply sloping and marked with 4 or 5 spiral grooves above it, the shoulder of the intermediate whorls very weakly tuberculate in well-preserved specimens. Last whorl obliquely striate toward the base, the grooves and convex intervals of equal size below, but upwards they become more widely spaced, with wide flat intervals. The aperture is narrow, its length about three-fourths that of the shell.

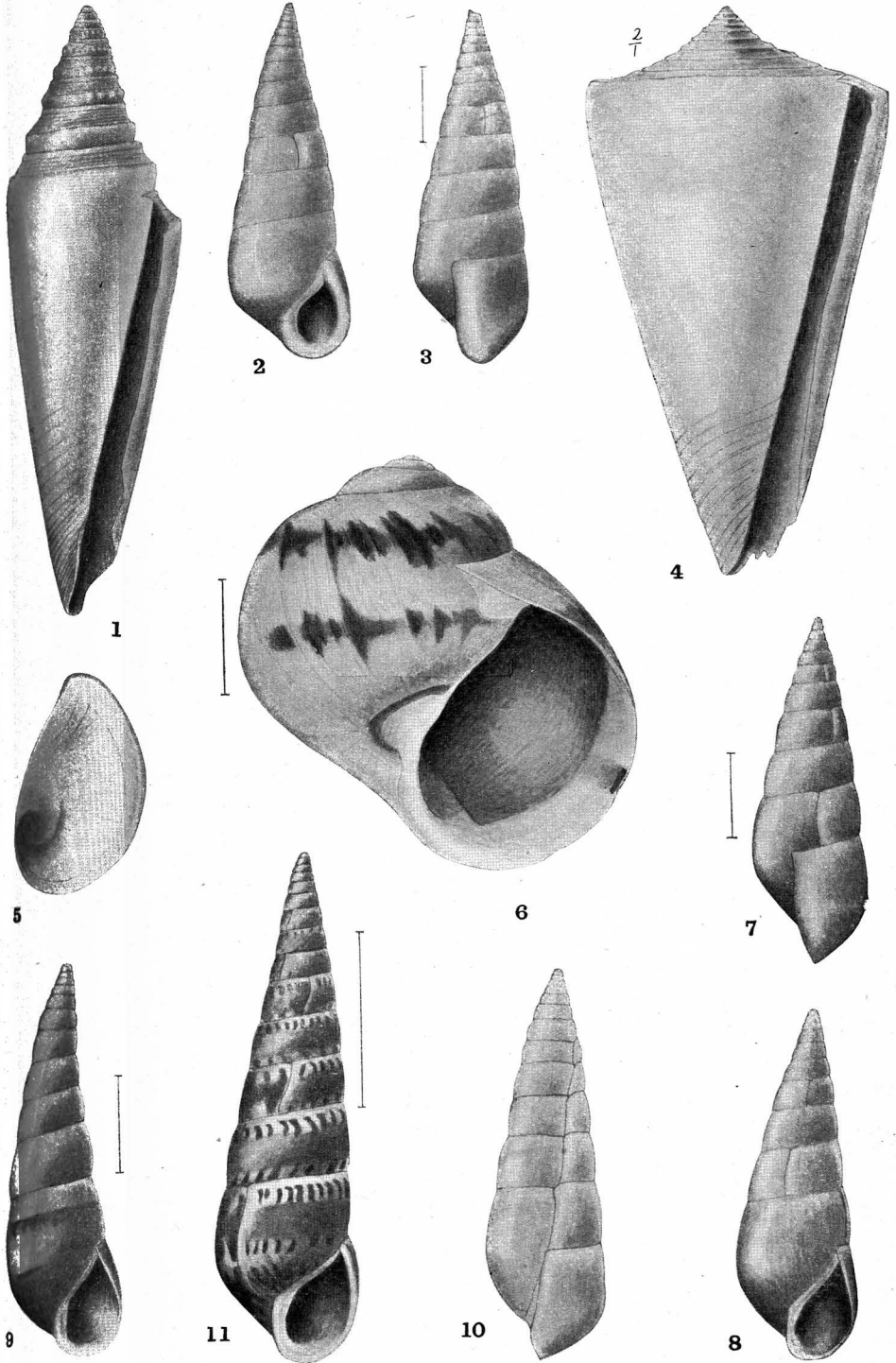
Length 42, diam. 13.5 mm.

Length about 48, diam. 16 mm.

Kikai, Ōsumi, in a deposit of probably Pliocene age. Types No. 88,297, A. N. S. P., from No. 1,579 of Mr. Hirase's collection.

This belongs to a small group of cones with the spire much elevated.

¹ See *Proc. Linn. Soc. N. S. W.*, 1904, pp. 187, 211.



E. G. Vanatta, del.

PILSBRY. JAPANESE MARINE MOLLUSKS.