

A New Volute from the Western Pacific

BY

PHILIPPE BOUCHET

Office de la Recherche Scientifique et Technique d'Outre-Mer, Centre de Nouméa, Nouvelle-Calédonie¹

(1 Plate)

DURING A CRUISE of the R. V. "Vauban" on the deep continental shelf of New Caledonia, a new gastropod of the family Volutidae has been dredged. A single, live-taken specimen is present but its characteristics are so different from the other known species of the family that a description is presented herein.

Lyria kuniene Bouchet, spec. nov.

Type Material: Holotype in MNHN*

Type Locality: 22°49'S, 167°12'E (west of Isle of Pines, southern New Caledonia), in 390-395 m; 10 April, 1978

Description: Shell solid, ovate fusiform in outline, composed of 8.5 whorls; the protoconch is bulbous and has 2.5 smooth whorls, thus indicating direct development (Figure 3); the postlarval shell has 6 shouldered whorls with a moderately deep suture. The postlarval sculpture consists of a few distant axial ribs of which there are 9 on the body and penultimate whorls; these ribs are a little more closely spaced on the first 2 postlarval whorls, on which 10 ribs can be counted. Growth lines are very apparent but no spiral sculpture is present. The aperture is rather narrow, semioval, and roughly occupies a little less than $\frac{2}{3}$ of the shell height. The columella is straight with 4 strong anterior plaits followed by 5 minor ones and a tooth-like projection appearing on the parietal wall below the suture. The siphonal canal is short. The basic color of the shell is a creamy yellow with spiral

chestnut lines present on the axial ribs but not visible in between. The aperture is dirty white.

Dimensions of the Shell: height, 64.0 mm; breadth, 25.5 mm; height of the aperture, 39.0 mm; breadth, 11.5 mm.

The animal has not been observed alive. Preserved in alcohol, the foot, snout and tentacles are yellowish with numerous fine, pink to red radiating lines. The sole is a uniform dirty white. Eyes are present.

Remarks: Since the monograph by WEAVER & DUPONT (1970), the descriptions of 4 more Indo-West Pacific *Lyria* have appeared:

- *Lyria taiwanica* Lan, 1975, from Taiwan, = *L. kawamurai* Habe, 1975, from Japan (WEAVER, 1977)
- *Lyria mallicki* Ladd, 1975
- *Lyria santoensis* Ladd, 1975, both from the New Hebrides Pleistocene
- *Lyria tulearensis* von Cosel & Blöcher, 1977, from Madagascar, which is apparently a local form or at most a subspecies of *L. delessertiana* (Petit de la Saussaye, 1842)

There are now 5 species of Volutidae known from the waters around New Caledonia:

- Cymbiola deshayesi* (Reeve, 1855)
- Cymbiola rossiniana* (Bernardi, 1859)
- Cymbiolacca thatcheri* (McCoy, 1868)
- Lyria deliciosa* (Montrouzier, 1859)
- Lyria kuniene* Bouchet, 1979

The name *kuniene* is derived from Kunié, the Kanak name for the Isle of Pines.

Literature Cited

- COSEL, RUDO VON & MANFRED BLOCHER
1977. Eine neue *Lyria* aus Madagaskar (Prosobranchia: Volutidae).
Arch. Molluskenk. 107 (4-6): 195-201; 10 text figs.; 1 map
(4 March 1977)

¹ Permanent address: Muséum national d'Histoire naturelle, 55 rue Buffon, F 75005 Paris

* We have been informed that the MNHN does not assign type numbers. Editor.

HABE, TADASHIGE

1975. Three new volutid species (Mollusca) from Formosa and the Arafura Sea. Bull. Natl. Sci. Mus., ser. A (Zool.) 1 (4): 195 - 198; 1 plt. (22 December 1975)

LADD, HARRY S.

1975. Two Pleistocene volutes from the New Hebrides (Mollusca: Gastropoda). The Veliger 18 (2): 134 - 138; 2 pls.; 1 map (1 October 1975)

LAN, TSU-CHIAO

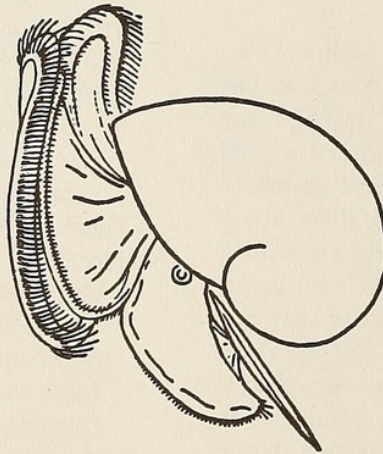
1975. A new species of *Lyria* (Gastropoda: Volutidae) from off north-east of Taiwan. Bull. Chin. Malacol. Soc. 2: 103 - 105; 3 text figs. (November 1975)

WEAVER, CLIFTON STOKES

1977. A beautiful new species of volute in the genus *Lyria* from Taiwan. Hawai. Shell News 25 (2): 1, 12; 2 figs. (November 1977)

WEAVER, CLIFTON STOKES & JOHN ELEUTHÈRE DUPONT

1970. Living volutes. A monograph of the Recent Volutidae of the world. Delaware Mus. Nat. Hist. Monogr. Ser. 1: 1 - 375; color pls. 1 - 79





1979. "A new volute from the western Pacific." *The veliger* 22, 49–50.

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