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**Neither a buccinid nor a turrid:
A new family of deep-sea snails for *Belomitra* P. Fischer, 1883
(Mollusca, Neogastropoda),
with a review of Recent Indo-Pacific species**

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Abstract

The new family Belomitridae is established for the deep-water buccinoid genus *Belomitra* P. Fischer, 1883, based on morphological (shell and radulae) and molecular evidence. The rachiglossate radula is uniquely characterized by a multicuspid rachidian and lateral teeth with very long narrow bases and two small cusps closer to tip. Molecular analysis of a reduced set of Buccinoidea did not resolve the group as a clade, but shows that Belomitridae forms a well supported clade within Buccinoidea. Species of *Belomitra* have adult sizes in the 7–53 mm range; they live in deep water, mostly in the 500–2,000 meters range, at low and mid latitudes. Eleven valid species described from the Indo-Pacific were originally named in the families Buccinidae, Columbelloidea, Cancellariidae, Volutidae, and Turridae. Fourteen new species are described: *Belomitra nesiotica* n. sp. (Society Islands to Tonga and Fiji in 580–830 m), *B. bouteti* n. sp. (Society and Tuamotu Islands in 430–830 m), *B. subula* n. sp. (Solomon Islands to Vanuatu in 760–1110 m), *B. caudata* n. sp. (Sulu Sea in 2300 m), *B. gymnobela* n. sp. (South Pacific, eastern Indonesia and Philippines in 780–2040 m), *B. hysomitra* n. sp. (Fiji in 392–407 m), *B. brachymitra* n. sp. (Fiji in 395–540 m), *B. comitas* n. sp. (Madagascar and Philippines in 1075–1110 m), *B. minutula* (Coral Sea in 490 m), *B. granulata* n. sp. (New Caledonia in 105–860 m), *B. reticulata* n. sp. (Tonga and Fiji to New Caledonia in 395–656 m), *B. decapitata* n. sp. (Indian Ocean and New Caledonia in 3680–4400 m), *B. admete* n. sp. (off Sri Lanka in 2540 m), and *B. radula* n. sp. (Madagascar in 367–488 m).

Key-words: Buccinoidea, molecular phylogeny, morphology, anatomy, radula, deep-water fauna