

**Notes on Bulimulidae (Gastropoda, Euthyneura), 1.  
Bulimulus smeurorum, new name for Bulimus simplex Hupé,  
1857 not Bulimulus simplex Beck, 1837 nor Bulimus simplex  
Jonas, 1842**

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An examination of the type material of Bulimulidae in the Muséum National d'Histoire Naturelle, Paris, revealed that *Bulimulus simplex* (Hupé, 1857) is in need of a new name.

Hupé (1857: 53) described this species as *Bulimus simplex* with the following description: "B. testa tenui, ovato-conica, angusta, umbilicata, cornea; spira acuminata, apice acuta, anfractibus convexiusculis, ultimo ventricosiori, spiram aequante, peristomate simplici. Long., 15; diam., 8 mill.". The name is a junior homonym of *Bulimus simplex* Jonas, 1842. Although this fact was known to subsequent authors, e.g., Pilsbry (1897), a new name has never been proposed.

Pfeiffer (1858: 166) considered *Bulimus simplex* Hupé to be a synonym of *Bulimus fourmiersi* d'Orbigny, 1836, which occurs in Argentine, Prov. Corrientes. Mrs. M.A. Edwards and Mrs. K.M. Way kindly provided me with information on the type specimen of this species, preserved in the British Museum (Natural History). From their notes, a photograph of the type specimen and the original description, it appears that *Bulimus fourmiersi* has a lower shell height/diameter index, more convex whorls and a more dilated columellar margin than *Bulimus simplex* Hupé. Moreover, the sculpture of the protoconch demonstrates that d'Orbigny's species belongs to the genus *Naesiotus* Albers, 1850.

The sculpture of the protoconch of the two syntypes of *Bulimus simplex* Hupé is partially eroded. It consists of axial costulae, sometimes giving a wrinkled appearance, with numerous, fine spiral striae in

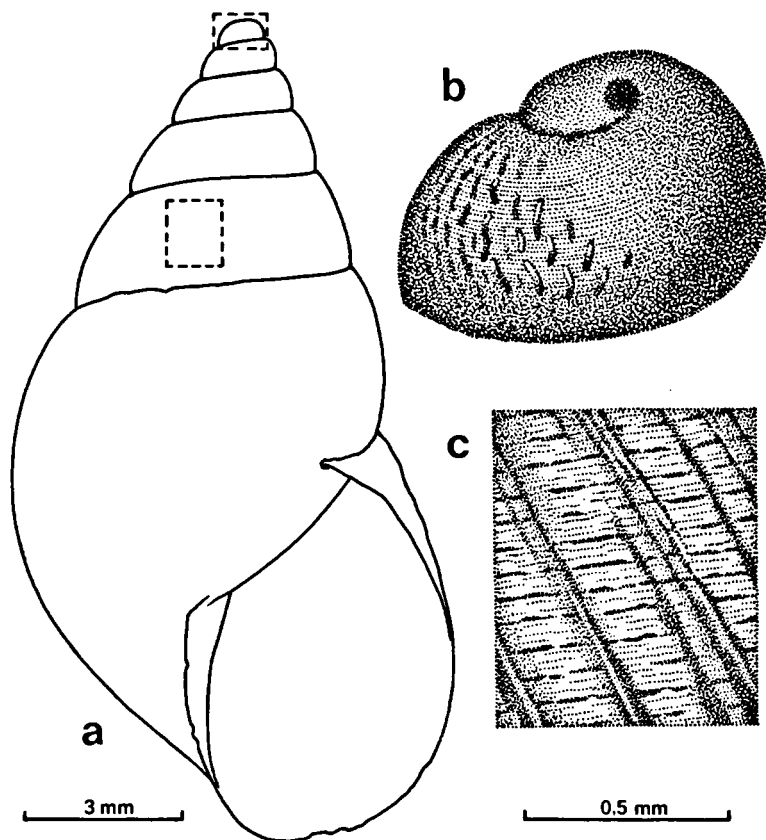


Fig. 1. *Bulimulus smeurorum* nom. nov. Lectotype of *Bulimus simplex* Hupé, 1857, Muséum National d'Histoire Naturelle, Paris. H. Heijn del. a, outline of shell; b, protoconch; c, detail of sculpture on penultimate whorl. The scale on the right refers to both figs. 1b and 1c.

between (fig. 1b). This sculpture, which has also been observed in the West Indian species *Bulimulus fuscus* Guilding, much resembles that of *Naesiotus* species. As the material at hand does not allow a definite conclusion the present author prefers to provisionally retain *Bulimus simplex* Hupé in the genus *Bulimulus* Leach, 1814. The name *Bulimulus simplex* (Hupé, 1857) now becomes a homonym of *Bulimulus simplex* Beck, 1837, which is a synonym of *Bulimulus guadalupensis* (Bruguère, 1789).

Pilsbry (1897: 72) regarded the type locality of *Bulimulus simplex* (Hupé), Peru, as doubtful. The label of the syntypes reads: "Pampa (Pérou)". Zischka (1953: 80) has recorded this species from Bolivia, Dept. Beni, Trinidad.

In honour of my friends Mr. and Mrs. Smeur (Utrecht) I here propose the new name:

***Bulimulus smeurorum* nom. nov.**

*Bulimus simplex* Hupé, 1857: 53, pl. 9 fig. 6; Pfeiffer, 1858: 166. Not *Bulimulus simplex* Beck, 1837, nor *Bulimulus simplex* Jonas, 1842. *Bulimulus simplex*, Pilsbry, 1897: 72, pl. 11 figs. 31-32 (copied from Hupé); Zischka, 1953: 80.

Redescription of syntypes: Shell narrowly perforated, acute, with straight sides; rather thin, pale dirty brown. Surface slightly shining, with numerous spiral striae (fig. 1c). Protoconch sculptured with axial costulae, forming wrinkles, and numerous, fine, spiral striae in between (fig. 1b). Whorls slightly convex; ultimate whorl about 2/3 shell height. Suture well impressed. Aperture subovate. Peristome thin; columellar margin hardly dilated.

Measurements (in mm):

shell		aperture		number of whorls
height	diameter	height	width	
15.3	8.0	6.9	4.2	6.3
14.0	7.6	6.2	3.8	6.2

The largest specimen has been selected as the lectotype (fig. 1a).

REFERENCES

- HUPÉ, H., 1857. Mollusques. In: F. DE CASTELNAU, Animaux nouveaux ou rares de l'Amérique du Sud, 3: 1-104. Paris.
- PFEIFFER, L., 1858. Literatur (Animaux...). — Malacoz. Bl. 5: 156-171.
- PILSBRY, H.A., 1897. Manual of Conchology (2) 11: 1-144. Philadelphia.
- ZISCHKA, R., 1953. Catalogo de las conchas y caracoles bolivianos. — Folia Universitaria 1953: 69-85.