

A new species of Columbellidae (Mollusca: Gastropoda) from the Philippines

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Abstract: A new species of **Columbellidae**: *Parametaria barbieri* sp. nov. is introduced as new to science. The species originates from deep water around Balut Island, Philippines. The generic placement of this species is uncertain and it is compared with *Parametaria epamella* (Duclos, 1840).

Introduction: The **Columbellidae** are strongly represented in the Philippines. In Poppe (2008), 49 species are figured. In the addendum to this series, Poppe (2011) mentions another 11 species described after the first publication or not yet recognised from the Philippines at the time of the first publication. After that, at least 6 additional species were described from the Philippines (Monsecour & Monsecour, 2011 and Monsecour & Dekkers, 2013), bringing the total number of **Columbellidae** in the Philippines to 66 species, with several additional species waiting to be described (personal data and collection first author).

At the end of 2017, Mr Jean-Pierre Barbier showed us a strange **Columbellidae**. In shell shape it looks more like a *Cancilla (Ziba)* H. Adams & A. Adams, 1853, but it lacks the columellar plaits and has all general features of a columbellid. The generic placement of this species is difficult. It is closest to *Parametaria epamella*, a species whose generic placement is likewise under discussion. As there are no soft parts available for analysis, the genus remains doubtful. Nevertheless, it is clear this species is new to science and has to be named. It is therefore hereby described as *Parametaria barbieri*.

Abbreviations :

MNHN: Muséum national d'Histoire naturelle, Paris

CJPB: collection Jean-Pierre Barbier

CKM: collection Kevin Monsecour

Systematic account:

Family **COLUMBELLIDAE** Swainson, 1840

Subfamily *Atiliinae* Cossmann, 1901

Genus *Parametaria* Dall, 1916

Parametaria barbieri sp. nov.

Type material: Holotype MNHN IM-2000-34179; 1 paratype CJPB.

Type locality: Philippines, Balut Island, from tangle nets at 150-180m.

Distribution: Only known from the type locality. Most likely endemic to the region of the type locality.

Description: Shell of big size for the genus, adult size up to 23.5 mm; biconical, elongate. Suture slightly impressed. Protoconch only partly preserved in one specimen, transition to teleoconch clearly visible. Teleoconch consisting of 7 to 7.25 whorls. All teleoconch whorls show a sculpture of weakly incised spiral lines, the adapical ones are clearly present, the more abapical ones are very weak or virtually absent. Next to this spiral sculpture, the body whorl shows the typical basal cords; these cords ventrally range to about 2/3 of the apertural height. There is no axial sculpture, apart from weak growth lines. Outer lip clearly thickened, bearing the continuations of the basal cords on the abapical end. Inner lip not denticulate, but showing a weak rim, starting just below the anal sinus. Columellar callus thin, not denticulate, the sculpture of the basal cords coming through. Parietal callus thin, but clearly present. Siphonal canal short, half-open, recurved.

Teleoconch whorls brownish orange. Last whorl of protoconch white. Aperture white. Columella whitish, but shell colour shining through.

Operculum and radula not studied.

Height of holotype: 22.5 mm.

Remarks: This species does not look like any of the known **Columbellidae**. Therefore, the placement in the genus *Parametaria* is not sure and only tentative. As no soft parts are available to check the radula or for genetic studies, we refrain from establishing a new genus for it. It is closest to *Parametaria epamella* (Duclos, 1840), a species until now wrongly placed in the genus *Parametaria* Dall, 1916. Yet, it cannot be assigned to any other known genus at this moment. *P. barbieri* is much more elongate, has no denticles on the inner lip (while *P. epamella* has over 15 clear denticles), has a spiral sculpture (*P. epamella* is smooth, apart from the basal cords) and a different colouration.

Some elongate specimens of *Euplica scripta* (Lamarck, 1822) may look similar in shell shape, but *P. barbieri* lacks the typical features of *E. scripta*: the denticulate inner lip with thickened middle part, the columellar denticles on the edge of the columella and the 2 denticles on the columella deeper inside the shell.

Etymology: Named after Mr. Jean-Pierre Barbier for bringing this species to our attention and the donation of the holotype.

Acknowledgements: We would like to thank Mr. Jean-Pierre Barbier for giving us the opportunity to study this species and allowing us to describe it.

References:

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Plate:

1-4: *Parametaria barbieri* sp. nov.

1-2 Holotype.

3-4 Paratype 23.4 mm.

5-6: *Parameteria epamella*

5: 20.6 mm, Philippines, CKM.

6: 23.8 mm, Philippines, CKM.

7: *Euplica scripta*

20.2 mm, Philippines, Olango Island, CKM.

