

A new species of *Eatonina* (Prosobranchia, Cingulopsidae) from Cuba

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Abstract: A new species belonging to the genus *Eatonina* is described as new to science and compared with known species within the same genus.

Introduction: The genus *Eatonina* Thiele, 1912 in the Caribbean is not very rich in species. The classic works by Nowell-Usticke (1959), Warmke-Abbott (1961), Vokes & Vokes (1983), De Jong & Coomans (1988), amongst others, do not mention any species in this genus.

Moolenbeek & Faber (1991) described the first Caribbean species belonging to this genus and later on Faber (2005) described a new species from Tobago, Curacao and the Bahamas. A review of this genus was made by Rolán & Redfern (2005), showing colour photographs of both species known to occur in Cuba (*Eatonina laurensi* Moolenbeek & Faber, 1991) and in the Bahamas (*Eatonina caribaea* Faber, 2005). The latter was also mentioned by Redfern (2013).

The second author has recently been granted access to material collected during the Project “Patrones y procesos en tres golfos del Archipiélago Cubano” lead by the CIM-UT and The Ocean Foundation, which collected shells that did not seem to belong to any of the two known species. They are therefore hereby described as new to science.

Abbreviations:

MHNS: Museo de Historia Natural de Santiago de Compostela

MNCN: Museo Nacional de Ciencias Naturales, Madrid

MNHN: Museum national d’Histoire naturelle, Paris

CFG: private collection Raúl Fernández-Garcés

Systematics

Family **Cingulopsidae** Fretter & Patil, 1958

Genus *Eatonina* Thiele, 1912

Type species: *Eatonina pusilla* Thiele, 1912 (by monotypy)

Diagnosis of the genus: Shell very small, turbiniform, smooth, with a simple columella, operculum with a large peg, usually with spiral brown bands in the colouration.

Eatonina maickeli sp. nov.

Figs. 1A-E, 2I-J

Type material: **Holotype** (Figs. 1A-B) in MNCN. **Paratypes** in MNHN, MHNS, and CFG.

Type locality: Cuba, Pinar del Río, Ensenada de Guadiana. In seagrass *Thalassia testudinum*. Coordinates 22°05.030’N, 84°27.331’W.

Description: Shell small, subovate, almost spherical, rather thin, translucent to transparent. The protoconch is smooth and has a little more than one whorl, about 270 µm in diameter, a nucleus of about 60 µm separated by a clear line. The teleoconch has about 2.5 convex whorls, which are smooth except for numerous prosocline growth lines; suture evident. Aperture ovoid, outer lip thin, columella slightly curved, peristoma continuous. Umbilicus narrow.

The colour is pink with a brown band in the middle of the penultimate whorl and three brown bands on the last whorl: the upper band is in the middle of the whorl, a little closer to the lower suture; the second band is near the lip insertion and is more marked and darker; the third one is around the umbilicus and is even wider.

Dimensions: the holotype is 0.9 in height and 0.67 mm in diameter. The other shells are of a similar size, with a maximum size of 1 mm.

Distribution: Only known from the type locality.

Etymology: This species is named after Maickel Armenteros, Professor of the University of Havana, who collected the studied material of the new species.

Remarks: The newly described species may be distinguished from the two previously known species belonging to this genus:

E. laurensi (Fig 2A-E) has a more elongate shape, the colour pattern is very different and more irregular, with numerous S-shaped brown axial lines, the base and the umbilical area, including the columella, are strongly brown-coloured, and the aperture is more rounded.

E. caribaea (Fig 1F-H) has a very consistent colour pattern consisting of two fine brown lines on the last whorl, whereas the umbilicus and the columella are white. Its protoconch has only one whorl, is smaller (200 µm) and has a tiny spiral sculpture (Figs 1G-H).

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Plate 1:

A-E: *Eatonina maickeli* sp. nov.

A-B: holotype. 0.9 mm (MNCN)

C-D: paratypes, 0.95 and 0.85 mm (MNHN)

E: protoconch of the paratype in fig. D

F-H: *Eatonina caribaea* Faber, 2005.

F: shell from Abaco, Bahamas (CCR)

G: protoconch

H: detail of the protoconch

Plate 2: Comparison of the colour pattern of the Caribbean *Eatonina*.

A-E: *Eatonina laurensi* Moolenbeek & Faber, 1991. 0.8 to 1 mm. Northern Cuba.

F-H: *Eatonina caribaea* (Faber, 2005)

Abaco, Bahamas (CCR)

I-J: *Eatonina maickeli* sp. nov.

holotype, 0.9 mm (MNCN) and paratype, 0.85 mm (MNHN).



