



New species of *Gregorioiscala* and *Opalia* (Caenogastropoda: Epitoniidae) in the Western Atlantic: a case of republication

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In 2012, a report on ten gastropods of the family EPITONIIDAE Berry, 1910 collected from the deep sea off northeastern Brazil (2000–2001) was published in the *International Journal of Zoology* (IJZ). Two species were described as new to science (Lima *et al.* 2012). In August 2013, Dr. Philippe Bouchet (*Muséum National d'Histoire Naturelle, Paris*) brought to our attention the non-compliance of the IJZ—which is published exclusively as an online journal—with the requirements of the International Code of Zoological Nomenclature. Under the revised Article 8, the Code now allows electronic publication of new taxa published after 2011 under certain conditions: (1) the work has to be registered in ZooBank before it is published, and the work itself must contain evidence that registration has occurred; (2) the ZooBank registration must also state the name of an electronic archive intended to preserve the work and the ISSN or ISBN associated with the work (ICZN 2012). Neither of these requirements are met by the IJZ, and the previous descriptions of *Gregorioiscala pimentai* and *Opalia revizee* are thus unavailable under the Code. These epitoniids were dredged from the bathyal region off the state of Alagoas and are described herein based on conchological features. There are no similar congeners along the Brazilian coast.

Abbreviation

MNRJ Museu Nacional, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil.

Systematics

Genus *Gregorioiscala* Cossmann, 1912

Type species: *Scalaria romettensis* de Gregorio, 1890 (by monotypy).

Gregorioiscala pimentai n. sp.

Type material. Holotype, MNRJ 18.306 (Fig. 1).

Type locality and distribution. continental slope of the state of Alagoas (northeastern Brazil), 'Natureza', 10°06'35" S, 35°46'41" W, 720 m, 16.xii.2001.

Description. Shell whitish, small (3.4 mm long), strong, thick, conical. Protoconch with about 2 moderately convex whorls, sculptured with microscopic pits. Spire moderately high. Suture rather deep. Teleoconch with about 6 constricted whorls; whorls strongly convex, irregular in outline; surface covered by intritacalx densely sculptured with microscopic pits in square pattern. Axial sculpture with strong, moderately thick, rather high, rounded, prosocline, widely spaced ribs that do not form crenulations in subsutural region. Last whorl sculptured with 10 to 14 axial ribs, faint on basal ridge, weakly invading basal disc. Base delimited by slight ridge (resembling a keel). Basal disc strongly flattened, large, sculptured with microscopic pits, very weak axial ribs and prominent spiral rib at periphery of inner lip; intersection of axial and spiral rib(s) forming slight nodules. Aperture rounded; peristome thickened, double. Outer lip thickened by projection of axial rib. Umbilicus becoming very narrow, chinked.

Acknowledgements

Our greatest thanks go to Dr. Philippe Bouchet (Muséum National d'Histoire Naturelle, Paris, France) for drawing our attention to the need for the redescription of *O. revizee* and *G. pimentai* and assisting in preparation of the introduction; Dr. Marta deMaintenon (Editor, *Zootaxa*) and the anonymous referees for their critical reviews, corrections and suggestions regarding the paper.

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