

# BOCAGIANA

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## AN ADDITION TO THE MURICID FAUNA (MOLLUSCA: GASTROPODA) OF MADEIRA ISLAND

F. SWINNEN<sup>1</sup>, ANTÓNIO D. ABREU<sup>2</sup> & ROLAND HOUART<sup>3</sup>

With 2 figures

**ABSTRACT.** The authors recorded for the first time the presence of *Pterynotus leucas* (P. FISCHER in LOCARD, 1897) off Madeira Island. With the report of this species the number of currently known muricids known with certainty from Madeira increases to ten. The presence of three species remain doubtful for the region.

**RESUMO.** Os autores relatam, pela primeira vez, a ocorrência, na Madeira, do muricídeo *Pterynotus leucas* (P. FISCHER in LOCARD, 1897). Com esta adição, o número de espécies de muricídeos confirmados para a Madeira eleva-se a 10. Mantem-se como duvidosa a presença de três outras espécies de muricídeos previamente referenciados para esta região.

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<sup>1</sup> Lutlommel, 10; 3920 LOMMEL BELGIUM, Research Associate of the MMF (H.N.)

<sup>2</sup> Museu Municipal do Funchal (História Natural) Rua da Mouraria, 31, P-9004-546 FUNCHAL, MADEIRA, PORTUGAL

<sup>3</sup> 3400 LANDEN (Ezemaal) BELGIUM, Research Associate at the Institut Royal des Sciences Naturelles de Belgique

## INTRODUCTION

HOUART & ABREU (1994) listed nine species to be currently known from Madeira:

- Bedevea paivae* (CROSSE, 1864)
- Cytharomorula grayi* (DALL, 1889)
- Hexaplex trunculus* (LINNÉ, 1758)
- Muricopsis aradasii* (MONTEROSATO, 1883)
- Ocenebra aciculata* (LAMARCK, 1822)
- Ocenebra edwardsi* (PAYRAUDEAU, 1826)
- Ocenebra erinaceus* (LINNÉ, 1758)
- Ocinebrina inordinata* HOUART & ABREU, 1994
- Stramonita haemastoma* (LINNÉ, 1767)

Three species listed by previous authors (see HOUART & ABREU, 1994) still remain doubtful records for the region:

- Muricopsis cristatus* (BROCCHI, 1814)
- Trophonopsis richardi* (DAUTZENBERG & FISCHER, 1896)
- Typhis fustulatus* (RISSO, 1826)

As mentioned by HOUART & ABREU (1994) this number is still expected to increase if a more significant sampling effort could be developed in Madeiran waters.

## MATERIAL

A specimen of *Pterinotus leucas* (FISCHER, 1897) (see fig. 2) was obtained during a preliminary sampling programme devoted to the study of the soft bottom fauna of Madeira island. It has been collected by a SMITH McINTYRE grab, operated from the Research Vessel AURIGA, from the Portuguese Navy. The sample in which the specimen was obtained was made on the 7<sup>th</sup> July of 1992, at 304 m depth, in the Bay of Funchal City (see fig. 1), UTM Coordinates: 322661.69 3611587.71.

## DISCUSSION

*P. leucas* is a deep water species that has been originally described from off West Sahara (25°39'N, 15°58'W, 600 m depth). HOUART (1996) recorded *P. leucas* from South of Morocco to senegal, in 600 - 640 m depth. Its systematic position in *Pterynotus* is doubtful because of the particular axial sculpture of the first teleoconch whorls. *P. leucas* has 6-7 axial lamellae from first to fourth teleoconch whorl, changing into 3 webbed varives and

two intervarical nodes from fifth to last whorl. True *Pterynotus* species have 3 axial varices, or lamellae from first or second whorl to the last teleoconch whorl, and usually one intervarical node. However, the first whorl occasionally bears 5 or 6 axial ribs, starting with 3 varices and one intervarical node from second whorl.

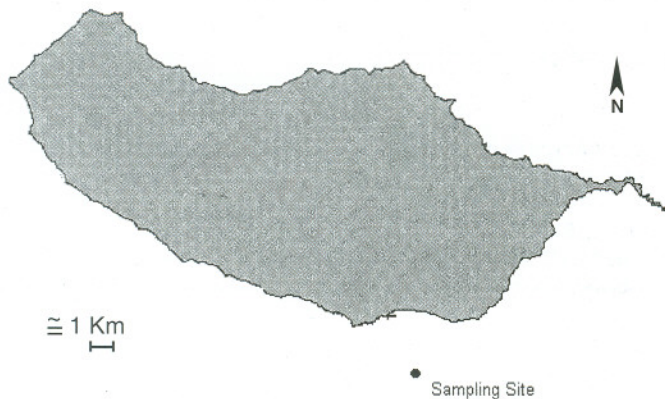


Fig. 1 - Madeira Island and location of the sampling site.

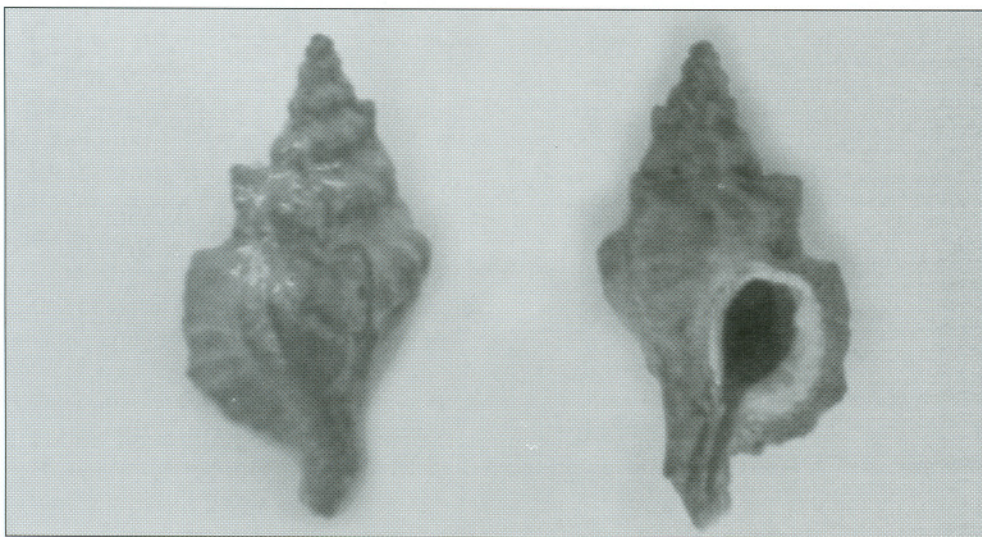


Fig. 2 - *Pterynotus leucas* (FISCHER 1897).

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