



<http://dx.doi.org/10.11646/zootaxa.3693.3.9>

<http://zoobank.org/urn:lsid:zoobank.org:pub:E579E038-15E1-465E-9CA0-08F5758E1E3A>

A new species of *Microcaecilia* (Amphibia: Gymnophiona: Siphonopidae) from the Guianan region of Brazil

ADRIANO O. MACIEL^{1,2} & MARINUS S. HOOGMOED¹

¹Museu Paraense Emílio Goeldi, Coordenação de Zoologia, 66077-530 Belém, Pará, Brazil

²Corresponding author. E-mail: aombiologo@yahoo.com.br

Abstract

We describe a new species of *Microcaecilia* from the Guianan region of Brazil, based on a series of eight specimens from the states of Pará and Amazonas. *Microcaecilia marvaleewakeae* **sp. nov.** is very similar to *M. taylori*, but differs from it in having more primary annuli, more secondary grooves, and more secondary grooves that completely encircle the body. The new species also seems to have a relatively shorter and thinner head than *M. taylori*, but additional specimens of the new species are necessary to check this. A brief discussion of the taxonomy of *M. taylori* is presented.

Key words: Amazonia, caecilians, herpetology, *Microcaecilia taylori*, taxonomy

Resumo

Nós descrevemos uma nova espécie de *Microcaecilia* da região das Guianas, do Brasil com base em uma série de oito espécimes. *Microcaecilia marvaleewakeae* **sp. nov.** é muito semelhante a *M. taylori*, mas difere desta por ter mais anéis primários, mais ranhuras secundárias e mais ranhuras secundárias que circundam completamente o corpo. A nova espécie também aparenta ter uma cabeça relativamente menor e mais fina que *M. taylori*, mas espécimes adicionais da nova espécie são necessários para verificar isso. Uma breve discussão sobre a taxonomia de *M. taylori* é apresentada.

Palavras-chave: Amazônia, cecílias, herpetologia, *Microcaecilia taylori*, taxonomia

Introduction

Among caecilian amphibians (Gymnophiona) of the Siphonopidae Bonaparte, 1850, recently resurrected by Wilkinson *et al.* (2011), *Microcaecilia* Taylor, 1968 is the most speciose genus of the family, including 12 species, most from the Guianan region of South America (Maciel & Hoogmoed, 2011a; Wilkinson *et al.* 2013; Donnelly & Wake, 2013). Currently four species of the genus are known in Brazil, three of them from few localities in Amazonia (Maciel & Hoogmoed, 2011a). While examining some *Microcaecilia* from the Brazilian states of Amazonas and Pará, we found specimens very similar to *M. taylori* Nussbaum & Hoogmoed, 1979, but which differ from the latter in numbers and completeness of annular grooves, and in morphometric characters. We here describe this material as a new species.

Material and methods

All measurements were taken using a dial caliper to the nearest 0.1 mm, except total length, which was taken with a ruler to the nearest 1 mm. We examined specimens from four herpetological collections (Appendix 1): MNRJ, Museu Nacional, Rio de Janeiro, Brazil; MPEG, Museu Paraense Emílio Goeldi, Belém, Pará, Brazil; IEPA, Instituto de Pesquisas Científicas e Tecnológicas do Estado do Amapá; RMNH, Rijksmuseum van Natuurlijke