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***Ogleus pilarae*, a new genus and species of leptocheliid tanaidacean (Crustacea: Peracarida: Tanaidomorpha) from the tropical Northwest Atlantic with observations on the genus *Pseudonototanais* Lang, 1973**

ANDRÉS G. MORALES-NÚÑEZ^{1,3} & RICHARD W. HEARD²

¹Department of Natural Sciences, University of Maryland Eastern Shore, Princess Anne, MD 21853, USA.

E-mail: agmorales@umes.edu

²Department of Coastal Sciences, University of Southern Mississippi, Gulf Coast Research Laboratory Campus, Ocean Springs, MS 39564, USA. E-mail: richard.heard@usm.edu

³Corresponding author

Abstract

Ogleus pilarae n. gen., n. sp. (Leptocheliidae) is described from specimens collected at a depth of 28 m off the eastern coast of Puerto Rico. Morphologically the new genus appears to have its closest affinities with the type species of *Heterotanais* and those of the two subgenera belonging to *Pseudonototanais sensu* Guțu. *Ogleus* is distinguished from these and other leptocheliids by a combination of characters including a male antennule having three unfused peduncular articles, five aesthetasc-bearing flagellar articles with the first being greatly reduced and bearing a single cluster of aesthetascs, the shape of the male cheliped, and uropods of both sexes having an elongate endopod with five articles or incipient articles, the distalmost being distinctly longer than the first. The genus *Pseudonototanais* is rediagnosed to contain *P. werthi*, *P. modestus* (female holotype), and with reservations *P. bransfieldensis*. The *Pseudonototanais* subgenus *Makassaritanais* is elevated to full generic rank to contain *M. angustus* and *M. bamberi*. The male originally attributed to *P. (M.) modestus*, does not appear to be a leptocheliid since it has a short uropodal endopod appearing to have just two articles. The taxonomic status of some of the other taxa previously assigned to *Pseudonototanais sensu lato* or that are superficially similar to it is discussed. Overall, based on the females, the genera *Ogleus* and *Makassaritanais* may be more closely allied with genus *Leptochelia* Dana, 1849 than to *Pseudonototanais* and *Heterotanais*. A key to the male leptocheliid taxa having truncated or superficially subchelate-appearing chelae is presented.

Key words: Tanaidacea, Leptocheliidae, *Heterotanais*, *Makassaritanais*, *Pseudonototanais*, *Ogleus*, tropical NW Atlantic, Puerto Rico

Introduction

Examination of tanaidacean material from the vicinity of Culebra Island, Puerto Rico, revealed the presence of a new genus and species belonging to the family Leptocheliidae Dana, 1849, which has affinities to the genus *Pseudonototanais* Lang, 1973 *sensu* Guțu (2012). The description of this new tanaidomorphan is presented with remarks on the taxonomic status and problems within *Pseudonototanais*, its subgenera, and some of the taxa previously assigned to it. This publication is the sixth in a series on Tanaidacea (see Morales-Núñez et al. 2010; Drumm & Morales-Núñez 2010; Heard & Morales-Núñez 2011; Morales-Núñez et al. 2013; and Morales-Núñez & Heard (in prep.) based on collections made in Puerto Rican waters by the senior author and his colleagues between 2002 and 2011.

Currently six species representing two subgenera comprise the genus *Pseudonototanais* (see Guțu 2012). Lang (1973) erected the monotypic genus *Pseudonototanais* to receive the incompletely described *Heterotanais werthi* Vanhöffen, 1914 from the Kerguelen Islands. Later, based on specimens from near the type locality and type material, Shiino (1978) and Sieg (1980), respectively, provided detailed and well-illustrated descriptions for *P. werthi*. Subsequently, Sieg (1986) described another species, *Pseudonototanais bransfieldensis* Sieg, 1986, from

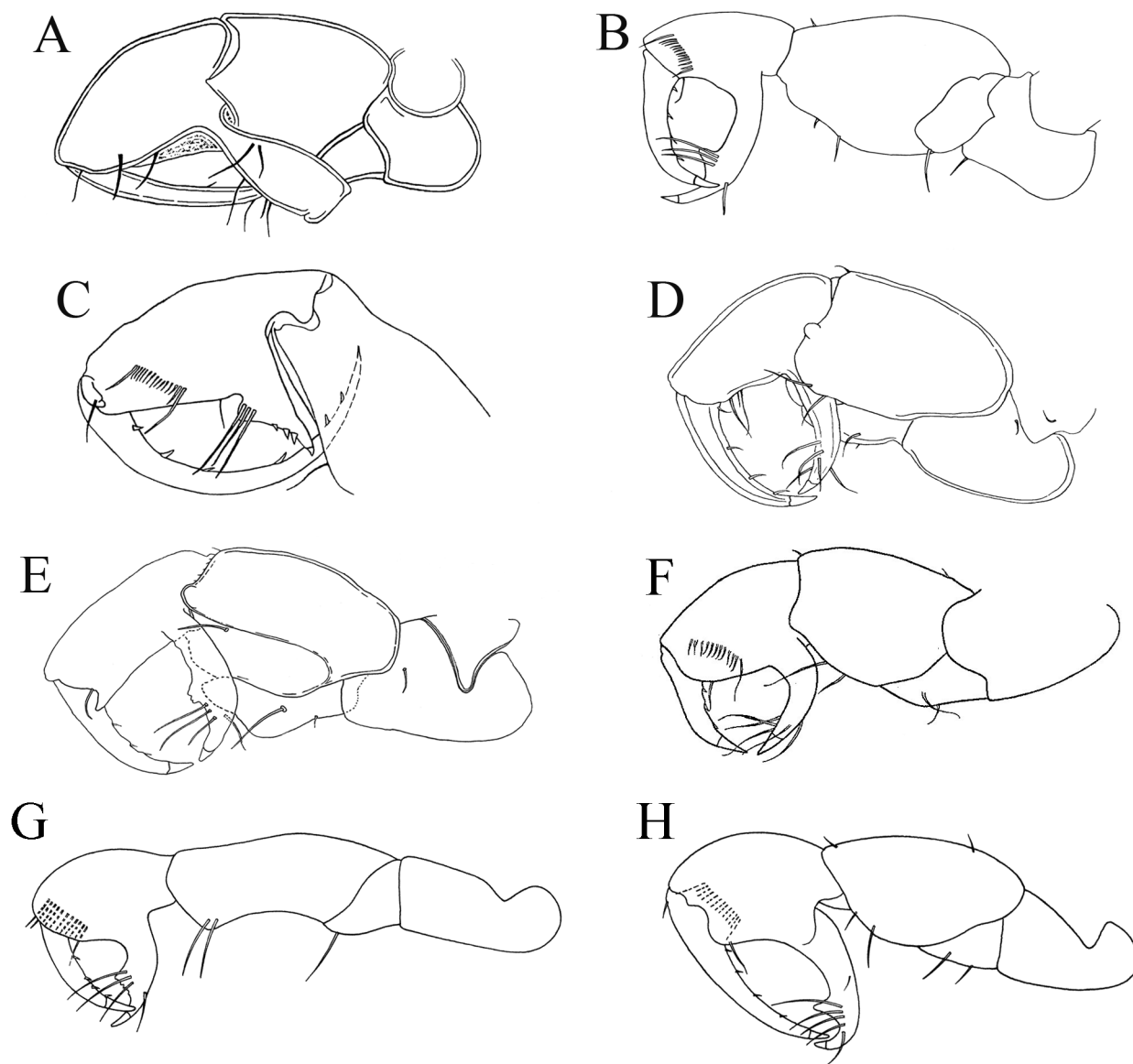


FIGURE 9. Chelipeds. A, *Heterotanais oerstedii*, lateral aspect; B, *Leptochelia myora*, inner face; C, *Pseudoleptochelia longidactylus*, inner face; D, *Pseudonototanais werthi*, lateral aspect; E, *Ogleus pilarae* n. gen., n. sp., lateral aspect; F, *Heterotanais modestus*, inner face; G, *Makassaritanais angustus*, inner face; H, *Makassaritanais bamberi*, inner face. [Figures modified from: A, Krøyer 1842; B, Bamber 2008; C, Băcescu 1977; D, Shiino 1978; E, Morales-Núñez & Heard (this study); F, Kussakin & Tzareva 1972; G and H, Guțu, 2012].

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