



***Cacoheterotanis rogerbamberi*, a new genus and species of leptocheiliid Tanaidacea (Crustacea: Peracarida) from shelf-waters of the Gulf of Mexico**

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Abstract

A new leptocheiliid tanaidacean, *Cacoheterotanis rogerbamberi* **gen. et sp. n.**, is described from the Continental Shelf of the eastern Gulf of Mexico at depths ranging from 10 to 30 m. The new monotypic genus and species is distinguished from the other genera within the *Pseudonototanis* complex, or genus-group, (*Cocotanais*, *Heterotanis*, *Makassaritanais*, *Ogleus*, and *Pseudonototanis*) by a combination of characters, including the (1) male antennule with three peduncular and three flagella articles, (2) male and female both having three articles in the uropodal endopod, (3) basis of the female maxilliped with three pairs of long distal setae, and (4) differences in the morphology, setation and shape of the male cheliped. A key and table are presented to further distinguish *C. rogerbamberi* from the genera and species within the *Pseudonototanis* complex.

Resumen

Un nuevo leptoquélido tanáidaceo, *Cacoheterotanis rogerbamberi* **gen. et sp. n.**, es descrito de la costa continental del este del Golfo de México a un rango de profundidad de 10 a 30 m. El nuevo género monotípico y la especie se diferencian de los otros géneros dentro del complejo de *Pseudonototanis* (*Cocotanais*, *Heterotanis*, *Makassaritanais*, *Ogleus*, and *Pseudonototanis*) por la combinación de varios caracteres, incluyendo: (1) la anténula del macho con un pedúnculo y un flagelo con tres artículos, (2) el macho y la hembra con tres artejos en el endópodo del urópodo, (3) la base del maxilípodo de la hembra presenta tres pares de setas largas sencillas, y (4) diferencias en la morfología, la distribución de las setas y la forma del quelípodo del macho. Una clave y una tabla son presentadas para diferenciar *C. rogerbamberi* de los otros géneros y especies dentro el complejo de *Pseudonototanis*.

Key words: Tanaidacea, Leptocheiliidae, *Cacoheterotanis*, NW Atlantic, Gulf of Mexico

Introduction

An apparently undescribed genus and species, belonging to the family Leptocheiliidae Lang, 1973, with attributes to members of the *Pseudonototanis* complex [genus-group] *sensu* Morales-Núñez & Heard (2013) was discovered among tanaidaceans collected from the shelf waters of the eastern Gulf of Mexico. These collections were part of a baseline study funded by the Bureau of Land Management between 1970 and 1978. The description of this new Gulf species is presented here.

Guțu (2012) designated a new subgenus *Makassaritanais* within the genus *Pseudonototanis* Lang, 1973 to receive two new species, *P. (M.) angustus* Guțu, 2012 and *P. (M.) bamberi* Guțu, 2012, and *Heterotanis modestus* (Kussakin & Tzareva, 1972). *Makassaritanais angustus*, the type species, and *M. bamberi*, are known from the western Pacific (Kalimantan Island, Makassar Strait) and western Indian (Réunion Island) Oceans, respectively (Gutu 2012). Morales-Núñez & Heard (2013) described an apparently related, new monotypic genus *Ogleus* from