



Catalogue of the Dryinidae and Sclerogibbidae (Hymenoptera: Chrysidoidea) of Belize, with description of two new species

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Abstract

Eighteen species of Dryinidae and one species of Sclerogibbidae are listed from Belize. Two new species of Dryinidae, *Anteon dykeae* Olmi, **sp. nov.** and *Dryinus schueppi* Olmi, **sp. nov.**, are described from Belize, Corozal District. Keys to Neotropical species of *Anteon* and *Dryinus* are modified and include new species. Nine species of Dryinidae and one species of Sclerogibbidae are newly recorded from Belize. New records of Dryinidae are: four species from Panama, two species from Paraguay, and one species from Colombia, Mexico, Honduras, Venezuela, Ecuador, Bolivia and French Guiana. The dryinid and sclerogibbid fauna of Belize is still under-sampled and insufficiently known.

Key words: Dryinidae, Sclerogibbidae, Belize, new species, new records, *Anteon dykeae*, *Dryinus schueppi*, catalogue

Introduction

Belize is a small country of Central America, located between Mexico, and Guatemala and the Caribbean Sea. Dryinidae and Sclerogibbidae are parasitoids respectively of Hemiptera Auchenorrhyncha (Guglielmino & Olmi 1997, 2006, 2007) and Embiidina (Olmi 2005). In the monograph of world Dryinidae (Olmi 1984) two species were reported from Belize: *Dryinus belizensis* Olmi, 1984 and *Dryinus wellingensis* Olmi, 1984, described from material collected in Stann Creek District. Afterwards, Olmi (1986, 1987b) described *Dryinus snellingi* and *Pseudogonatopus maidicolus* (now *Gonatopus maidicolus*), both new species from Belize. More recently, in a catalogue of Dryinidae from Costa Rica, Olmi (1993a) quoted in Belize the following further two species: *Aphelopus diffusus* Olmi, 1984 and *Anteon panamense* Olmi, 1984. At last, Olmi *et al.* (2000) recorded eight species from Belize: *Dryinus snellingi* Olmi, 1986, *Gonatopus bartletti* Olmi, 1984, and six species mentioned above. In the monograph of world Sclerogibbidae (Olmi 2005) no species were listed from Belize. In 2011 the study of new material collected by one of the authors (Schüepp) in Belize has resulted in the discovery of two new species described herein. These records provided the opportunity to compose a checklist of dryinids and sclerogibbids known from Belize.

Material and methods

Species descriptions follow the terminology used by Olmi (1984, 1994, 1999a). The measurements reported are relative, except for the total length (head to metasomal tip, without the antennae), which is expressed in mm. In the descriptions POL is the distance between the inner edges of the two lateral ocelli; OL—between the inner edges of a lateral ocellus and the median ocellus; OOL is the distance from the outer edge of a lateral ocellus to the compound eye; OPL—from the posterior edge of a lateral ocellus to the occipital carina; TL—from the posterior edge of the eye to the occipital carina.