



Checklist of Dryinidae (Hymenoptera) from Shaanxi Province, China, with descriptions of two new species

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Abstract

A checklist of Dryinidae from Shaanxi Province, China, is presented. Two new species, *Anteon ningshanense* Xu, Olmi, Guglielmino & Chen, **sp. nov.** and *Anteon semirugosum* Xu, Olmi, Guglielmino & Chen, **sp. nov.** are described from the Ningshan County, Guanghuojie Town. Five subfamilies, seven genera and 36 species are listed in Shaanxi Province, including twenty-eight new species records. Of the 36 species now known from Shaanxi, twenty seven species are of Oriental origin, six Palaearctic and three are known only from Shaanxi, confirming that the province is a transitional area of Oriental and Palaearctic species.

Key words: *Anteon ningshanense*, *Anteon semirugosum*, taxonomy, catalogue

Introduction

Dryinidae (Hymenoptera: Chrysidoidea) are parasitoids of Hemiptera Auchenorrhyncha (Guglielmino & Olmi 1997, 2006, 2007). The species of Dryinidae inhabiting China were studied in the last ten years mainly by He and Xu (2002) and Xu *et al.* (2001, 2006a, 2006b, 2006c, 2007, 2008, 2009a, 2009b, 2009c, 2010a, 2010b, 2011a, 2011b, 2011c).

Shaanxi is one of the most interesting provinces of China, acting as a transitional area between the Oriental and Palaearctic regions. In spite of this interest, the Dryinidae fauna, is still under-studied, in part for lack of material and in part due to the difficulty of identifying specimens of two zoogeographical regions. In fact, only the following six species were previously reported from the province (He & Xu 2002): *Anteon priscum* Olmi, 1991, *A. qinlingense* He & Xu, 2002, *Echthrodolphax fairchildii* Perkins, 1903, *Haplogonatopus apicalis* Perkins, 1905, *H. oratorius* (Westwood, 1833), and *Lonchodryinus niger* He & Xu, 2002.

In recent years, the research group of one of the authors (Zaifu Xu) intensified collection efforts in Shaanxi, resulting in the discovery of two new species described herein and twenty eight new species records, which are listed in an updated checklist of the dryinids of the province.

Material and methods

The descriptions follow the terminology used by Olmi (1984, 1994, 1999) and He and Xu (2002). The measurements reported are relative, except for the total length (head to abdominal tip, without the antennae), which is expressed in millimetres. In the descriptions POL is the distance between the inner edges of the lateral ocelli; OL is the distance 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 is the distance from the posterior edge of a lateral ocellus to the occipital carina; TL is the distance from the posterior edge of an eye to the occipital carina.