



Redescription of *Polynemula*, with description of a new species of *Polynema* (*Doriclytus*) from Argentina (Hymenoptera: Mymaridae)

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Abstract

The little known Neotropical genus *Polynemula* Ogloblin (Mymaridae) and its type species *P. rufosignata* Ogloblin are redescribed based on the type material and a recently collected female specimen from Buenos Aires Province, Argentina. A new species of *Polynema* Haliday from the newly defined *pallidiventre* species group of *Polynema* (*Doriclytus* Foerster), *P. (D.) nupogodi* sp. n., is described from Argentina and the only other species in this new group, *P. (D.) pallidiventre* (Ogloblin), is redescribed. A key to the two species of this group is provided.

Key words: Mymaridae, *Polynemula*, *Polynema*, *Doriclytus*, taxonomy

Introduction

Ogloblin (1967) described *Polynemula* (Hymenoptera: Mymaridae) from the two female specimens collected in José C. Paz, Buenos Aires Province, Argentina. The brief generic diagnosis and placement in the key to females of the New World genera of Mymaridae by Yoshimoto (1990) are confusing. The poorly mounted (on slides) holotype and paratype of the type species of this genus, *P. rufosignata* Ogloblin, were examined during this study, apparently for the first time since its original description, and compared with a recently collected, point-mounted conspecific female specimen from Tigre, not far from the type locality. Here we provide a diagnosis of *Polynemula* and redescribe *P. rufosignata*. Among the Neotropical genera of Mymaridae *Polynemula* is found to be most similar to *Platyfrons* Yoshimoto and the subgenus *Doriclytus* Foerster of *Polynema* Haliday, particularly to its newly defined *pallidiventre* species group.

Notopolynema Ogloblin was originally described as a subgenus of *Barypolynema* Ogloblin and presently is considered to be a synonym of *Polynema* (*Doriclytus*) (Triapitsyn & Fidalgo 2006). Its type species *P. (D.) pallidiventre* (Ogloblin), described from Misiones, Argentina [as *Barypolynema* (*Notopolynema*) *pallidiventre* Ogloblin], has all the morphological features characteristic of *P. (Doriclytus)* but with transverse wrinkles (striations) on the propodeum and two short, incomplete submedial carinae at the posterior margin of the propodeum. We consider these characters delineate an informal *pallidiventre* species group within the diverse subgenus *P. (Doriclytus)* and include in it *P. (D.) pallidiventre* and a new species described here from Argentina.

Methods

Both the holotype and the paratype of *P. rufosignata* were originally slide-mounted without prior clearing.