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**Review of the Oriental and Australasian species of *Acmapolynema*,  
with taxonomic notes on *Palaeoneura* and *Xenopolynema* stat. rev.  
and description of a new genus (Hymenoptera: Mymaridae)**

SERGUEI V. TRIAPITSYN & VLADIMIR V. BEREZOVSKIY



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## Review of the Oriental and Australasian species of *Acmopolynema*, with taxonomic notes on *Palaeoneura* and *Xenopolynema* stat. rev. and description of a new genus (Hymenoptera: Mymaridae)

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## Abstract

The Oriental and Australasian species of *Acmopolynema* Ogloblin (Mymaridae) are reviewed; a key to 19 species with known females is given. The genus *Baburia* Hedquist is synonymized under *Acmopolynema* and its type species is transferred to *Acmopolynema* as *A. narendrani* (Hedquist) comb. n. Ten new species of *Acmopolynema* are described: *A. capeyorki* sp. n. (Australia), *A. dilemma* sp. n. (China), *A. garemna* sp. n. (Indonesia), *A. isaura* sp. n. (Indonesia), *A. lurindu* sp. n. (Nepal), *A. neznakomka* sp. n. (Papua New Guinea), *A. nupta* sp. n. (Nepal), *A. orchidea* sp. n. (Taiwan), *A. problema* sp. n. (India), and *A. shinbana* sp. n. (Malaysia). The following new synonymies are proposed: *A. maculata* Subba Rao and *A. nixonii* Subba Rao under *A. orientale* (Narayanan, Subba Rao & Kaur), *A. reticoxilla* Xu & Lin under *A. longicoxillum* Xu & Lin, *A. himalum* Hayat & Anis under *A. indochinense* (Soyka), and *Baburia fasciata* Hedquist under *A. tachikawai* Taguchi. The genera *Chaetomymar* Ogloblin and *Acanthomymar* Subba Rao are synonymized under *Palaeoneura* Waterhouse, which is redescribed along with its type species, *P. interrupta* Waterhouse (Australia). Ten species of *Chaetomymar*, 32 Australian species described originally in *Polynema* Haliday, *Polynema nigrum* (Subba Rao) (type species of *Acanthomymar*), and *Acmopolynema unimaculatum* Hayat & Anis are transferred to *Palaeoneura* as new combinations. *Polynema ara* Girault (= *P. blackbourni* Girault, syn. n. and *P. helena* Girault, syn. n.) is transferred to *Richteria* Girault; *P. elatum* Girault, *P. glabricorpus* Girault, *P. grotiusi* Girault, *P. lodgei* Girault and *P. wallacei* Girault are transferred to *Agalmopolynema* Ogloblin, all comb. n. from *Polynema*. One new genus and one new subgenus are described: *Boccacciomymar* gen. n., with type species *Palaeoneura turneri* Waterhouse (Australia) and *Prosto*, subgen. n. of *Boccacciomymar*, with type species *Polynema victoria* Girault (Australia). *Polynema schumanni* Girault and *P. quadripetiolatum* Girault are synonymized under *Boccacciomymar* (*B.*) *turneri* (Waterhouse), comb. n. from *Palaeoneura*. *Palaeoneura evanescens* Waterhouse is transferred to *Boccacciomymar* as *B. (B.) evanescens* (Waterhouse), comb. n.; *Polynema aligherini* Girault and *P. victoria* are transferred to *Boccacciomymar* (*Prosto*) as, respectively, *B. (P.) aligherini* (Girault), comb. n. and *B. (P.) victoria* (Girault), comb. n. Two new species of *Boccacciomymar* (*Boccacciomymar*) and four new species of *B. (Prosto)* are described: *B. (B.) conquistador* sp. n. (Australia), *B. (B.) decameron* sp. n. (Australia), *B. (P.) maria* sp. n. (Australia), *B. (P.) nigugu* sp. n. (Australia), *B. (P.) pobeda* sp. n. (New Zealand), and *B. (P.) tak* sp. n. (New Zealand). A key to the Australian *Polynema*-group genera of Mymaridae is provided. The Neotropical genus *Xenopolynema* Ogloblin, stat. rev., with type species *X. areolatum* Ogloblin stat. rev., is removed from previous synonymy under *Polynema*, reinstated as a valid genus, and re-diagnosed based on the type specimens from Argentina and new material from Chile; its relationships with *Boccacciomymar* are discussed.

**Key words:** Mymaridae, *Acmopolynema*, *Palaeoneura*, *Boccacciomymar*, *Xenopolynema*, *Polynema* group, Australia

## Introduction

Initially, this communication was intended as a regional review of the fairyfly (Hymenoptera: Mymaridae) genus *Acmopolynema* Ogloblin in the Orient and Australasia. Previously, only single country reviews of