

Nomenclatural changes in Neotropical Eulophidae, Eupelmidae and Torymidae (Hymenoptera: Chalcidoidea) relating to parasitoids of *Cecidoses eremita* (Lepidoptera: Cecidosidae)

R.A. BURKS¹, G.A.P. GIBSON² & J. LA SALLE³

1. University of California, Riverside, CA 92521, USA; rogerburks@earthlink.net

2. Biodiversity Theme, Agriculture and Agri-Food Canada, 960 Carling Avenue, K. W. Neatby Bldg., Ottawa, Ontario, Canada, K1A 0C6

3. CSIRO Entomology, GPO Box 1700, Canberra, ACT 2601, Australia

Abstract

Two monospecific genera described by Brèthes (1927) in Eulophidae are newly synonymized under genera in Torymidae and Eupelmidae; respectively, *Parasympiesis* Brèthes is recognized as a junior synonym of *Torymus* Dalman **n. syn.** and *Tropimius* Brèthes as a junior synonym of *Brasema* Cameron **n. syn.** *Torymus cecidicolus* (Brèthes) **n. comb.** and *Brasema willei* (Brèthes) **n. comb.** are rediagnosed, and *Torymus alegrensis* (Brèthes) **n. syn.** is recognized as a junior synonym of *T. cecidicolus*. All three species were described as parasitoids of the gall-forming lepidopteran, *Cecidoses eremita* Curtis (Cecidosidae). *Brasema willei* is one of 11 species of *Brasema* described from South America, including *B. acauda* (Ashmead) **n. comb.**, *B. aprilis* (Ashmead) **n. comb.**, *B. basicuprea* (Walker) **n. comb.**, *B. chapadae* (Ashmead) **n. comb.**, *B. corumbae* (Ashmead) **n. comb.**, *B. peruviana* (Crawford) **n. comb.**, and *B. proxima* (Ashmead) **n. comb.** from *Eupelmus* Dalman, and *B. cyanea* (Ashmead) **n. comb.** from *Zaischnopsis* Ashmead.

Key words. Chalcidoidea, *Cecidoses*, Eulophidae, Neotropical, parasitoid

Introduction

Brèthes (1927) described *Parasympiesis cecidicola* and *Tropimius willei* as new genera and species of Eulophidae, as hyperparasitoid and parasitoid, respectively, of *Cecidoses eremita* Curtis, 1835 (Lepidoptera: Cecidosidae), a Neotropical gall-inducer on *Schinus* (Anacardiaceae) that produces fruit-like stem galls (Parra 1998). Both taxa were regarded as near *Ophelimus* Haliday, although reasons for this assessment were not given. Gauthier *et al.* (2000) listed the two genera as unplaced genera of Eulophinae and the taxa have been considered dubiously placed in Eulophidae because the description of *P. cecidicola*