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Description of *Ptychocroca*, a new genus from Chile and Argentina, with comments on the *Bonagota* Razowski group of genera (Lepidoptera: Tortricidae: Euliini)

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ABSTRACT

Ptychocroca, new genus, is described and illustrated. As presently defined, the genus includes eight species: *P. apenicillia*, new species, from Chile; *P. nigropenicillia*, new species, from Chile; *P. lineabasalis*, new species, from Chile; *P. keelioides*, new species, from Chile; *P. simplex*, new species, from Chile; *P. crocoptycha* (Meyrick), new combination, from Argentina and Chile; *P. wilkinsoni* (Butler), new combination, from Chile; and *P. galenia* (Razowski), new combination, from Chile. We present brief diagnoses for the related genera *Apotomops* Powell and Obraztsov, *Bonagota* Razowski, *Haemateulia* Razowski, and *Acmanthina* Brown, along with descriptions of two new species of *Apotomops* (*A. boliviana* and *A. spomotopa*, new species). We also propose two new combinations, *Apotomops carchicola* (Razowski and Becker) and *A. sololana* (Razowski), and the synonymy of *Bonagota cranaodes* (Meyrick) with *B. salubricola* (Meyrick).

Key words. Insecta, Lepidoptera, Tortricidae, Euliini, *Ptychocroca*, *Haemateulia*, *Acmanthina*, *Bonagota*, *Apotomops*, new taxa, male secondary characters, Neotropical, leafrollers, apple pest, pheromones

INTRODUCTION

The tortricid moth fauna of Chile and adjacent Andean Argentina is remarkably unique, characterized primarily by endemic or nearly endemic genera (Razowski 1995, 1999c, Brown and McPherson 2002). Our knowledge of the fauna has grown considerably over the last decade with the number of described species in the tribe Euliini (Tortricinae) now at about 60 (Razowski 1995, 1999c, Brown 1998, 2000a, 2000b, Brown and McPherson 2002), but at least half of the fauna remains undescribed or undocumented, and relationships among most of the described genera are virtually unknown.

As more material is studied from this region, a more stable generic framework is evolving, with the limits of the described genera becoming more clear. *Bonagota* Razowski and *Apotomops* Powell and Obraztsov are almost certainly sister groups (Brown and Powell 1991, Razowski and Becker 2000), and along with *Acmanthina* Brown, *Haemateulia* Razowski, and *Ptychocroca*, new genus, appear to form a monophyletic lineage. While the latter three appear to be endemic to Chile and Argentina, the former two range as far north as the United States (*Bonagota*) and Canada (*Apotomops*).

The purposes of this paper are to describe *Ptychocroca*, new genus, and its five new species, and propose three new combinations in the genus; briefly redefine and diagnose *Haemateulia* Razowski and *Acmanthina* Brown; and define the limits of *Apotomops* Razowski and *Bonagota* Powell and Obraztsov, describe two new species in the former, and propose the synonymy of *Bonagota salubricola* (Meyrick) and *B. cranaodes* (Meyrick) in the latter. The results of the taxonomic work are summarized in Table 2.

