



Description of *Amorbimorpha* Kruse, new genus, from Mexico and the southern United States (Lepidoptera: Tortricidae: Sparganothini)

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Abstract

Amorbimorpha Kruse, new genus, is described and illustrated. The genus ranges from Texas, U.S.A., south through Veracruz, Mexico, with greatest species richness documented from the middle to upper elevations of central Mexico. Two species are described as new: *A. powelliana* (type species) and *A. mackayiana*; the latter is the only species in the genus known from the U.S.A. Also, two new combinations are proposed: *A. schausiana* (Walsingham, 1913) and *A. spadicea* (Walsingham, 1913). Male and female genitalia are illustrated for each species where known; *A. spadicea* is represented by a unique female. Limited biological and life history data are summarized based mainly on laboratory rearings from eggs deposited by confined females of *A. powelliana*. At least ten additional species remain to be described.

Key words: Leaf-rollers, Lepidoptera, Mexico, morphology, new species, Sparganothini, systematics, Tortricidae

Introduction

Tortricidae occur worldwide and comprise over 9,100 described species (Brown 2005). Tortricinae, which constitute about half of the family, includes many species of notorious economic concern (*e.g.*, van der Geest and Evenhuis 1991). Despite their diversity and importance, there are many unresolved taxonomic problems in the subfamily. Extensive generic realignment and descriptions of many new genera are necessary to bring the Neotropical fauna to a level of understanding comparable to that of the Holarctic (Powell 1986). Recent systematic investigations of genera in the largely Neotropical Sparganothini—*Sparganothina* Powell, 1986 (Landry and Powell 2001); *Amorbia* Clemens, 1860 (Phillips-Rodriguez and Powell 2007); and *Sparganothoides* Powell, 1986 (Kruse and Powell 2009)—have identified dozens of new species, alluding to the true size and diversity of the tribe. The purpose of this paper is to continue to add to the growing generic framework to accommodate described and undescribed Neotropical Sparganothini by proposing a new genus for two previously described and two new species.

Materials and methods

Specimens were borrowed from or examined at the following institutions:

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| BMNH | - The Natural History Museum, London, United Kingdom; |
| ECK | - Edward C. Knudson personal collection, Houston, Texas, U.S.A.; |
| EME | - Essig Museum of Entomology, University of California, Berkeley, U.S.A.; |
| INBio | - Instituto Nacional de Biodiversidad, Santo Domingo de Heredia, Costa Rica; |
| LACM | - Natural History Museum of Los Angeles County, Los Angeles, California, U.S.A.; |
| NMNH | - National Museum of Natural History, Washington, D.C., U.S.A.; |
| SDNHM | - San Diego Natural History Museum, San Diego, California, U.S.A. |