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A new genus of Iassinae (Hemiptera: Cicadellidae) from Peru and a new species of *Daveyoungana* Blocker & Webb

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Abstract

The new iassine leafhopper genus *Linnavuoria* is described and illustrated based on *L. tingomariaensis* **sp. nov.**, from Peru, and placed in the previously monobasic tribe Selenomorphini (based on *Selenomorphus* Evans from New Caledonia), along with two other New World genera, *Pachyopsis* Uhler and *Scaroidana* Osborn (new placements). The new genus is similar to *Pachyopsis* in overall structure, but differs as follows: head with crown flat and forming distinct angle with face in profile; face coarsely punctate, without distinct transverse striations or rugae; lateral frontal sutures extended from antennal ledge to midline and joining with distinct coronal suture; forewing with numerous dark pigment spots corresponding to setal sockets; hind femur with macrosetal formula 2+1+1+1. A revised diagnosis and key to genera are given for Selenomorphini. The previously monotypic leafhopper genus *Daveyoungana* Blocker & Webb (Iassinae: Hyalojassini) recorded from Brazil is also reviewed and the detailed morphology of the genus is redescribed and illustrated, including the first description of the female. A new species, *D. manifirma* **sp. nov.** from Ecuador is described and illustrated and a key to the species in this genus is given.

Key words: Auchenorrhyncha, Selenomorphini, Hyalojassini, taxonomy, morphology

Introduction

Leafhoppers (Cicadellidae) are a large group of insects with approximately 22000 described species worldwide (Oman *et al.*, 1990; Dietrich, 2005). The subfamily Iassinae comprises ~2,000 described species of almost entirely arboreal leafhoppers currently placed in eight tribes and 149 genera (Dai *et al.*, 2015). Species of this group are diverse and abundant in tropical forests and savannas worldwide with lower diversity in temperate zones. The Neotropical Iassinae fauna remains poorly known. Blocker (1979) revised the classification of New World Iassinae but did not recognize tribes within the subfamily. Since Blocker's revision, only a few additional New World species and genera have been described (Blocker, 1982, 1990; Blocker and Webb, 1990, 1992; Dietrich, 1993; Dietrich and Vega, 1995; Coelho, 1999; Krishnankutty and Dietrich, 2012). More recently, Dietrich (2005) recognized 7 tribes within the subfamily, including Gyponini, previously treated as a separate subfamily (Oman *et al.* 1990). Dai *et al.* (2015) reinstated tribe Hyalojassini from synonymy under Iassini and transferred most of the genera treated by Blocker (1979) to this tribe.

The leafhopper genus *Daveyoungana* Blocker & Webb was described for its type species, *Daveyoungana collosa* from Brazil and remained unplaced to tribe (Blocker and Webb, 1990). In a recent taxonomic review of Hyalojassini, Dai *et al.* (2015) included the genus *Daveyoungana* Blocker & Webb in Hyalojassini based on a revised tribal diagnosis. In this paper, we describe a new species of *Daveyoungana* from rainforest canopy samples taken in eastern Ecuador and provide new morphological and distributional data, including the first description of the female ovipositor. A new iassine genus and species from Peru, *Linnavuoria tingomariaensis* gen. et **sp. nov.**, is described and placed in Selenomorphini.

elongate, shaft expanded subapically, with two pairs of subapical lateral processes extended distad, acute apically, with pair of strongly divergent apical processes.

Material examined. Holotype male, Ecuador: Orellana, Transect Ent, 1km S Onkonegare Camp, Reseva Etnica Waorani 00°39'10"S, 076°26'00", 3 July 1995, W, T. L. Erwin *et al.*, fogging terra firme forest, Lot#1102 (USNM). Paratype, 1 female, same data as holotype except Lot#1212, 6 Oct 1995 (INHS).

Remarks. The new species is very similar to *D. collosa*, but can be easily distinguished by the aedeagus with two pairs of subapical processes and a pair of apical processes, without a process arising from the dorsal apodeme; and the pygofer processes with two straight apical processes. The species name refers to the handlike shape of aedeagus.

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