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## Review of the leafhopper genus *Coloana* Dworakowska (Hemiptera: Cicadellidae: Typhlocybinae: Erythroneurini)

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### Abstract

General characteristics of *Coloana* Dworakowska and a key to known species of the genus are provided. Six new species, *Coloana accrescens*, *C. hainanensis*, *C. latiprocessa*, *C. orthoprocessa*, *C. recta* and *C. sinuata* **spp. nov.** from China and Thailand are described and illustrated. *C. cinerea* Dworakowska is newly recorded from China.

**Key words:** Homoptera, Auchenorrhyncha, taxonomy, morphology, new species, China, Thailand

### Introduction

The leafhopper genus *Coloana* was established by Dworakowska (1971) with *C. cinerea* Dworakowska from Vietnam as its type species. Four species were described previously, all from the Oriental region, including one species from China. This group mainly feeds on *Bischofia javanica* Blume and bamboo based on previous host records and records in this paper. In the present work, six new species are described and illustrated, *C. cinerea* Dworakowska is reported from China for the first time.

### Material and methods

Morphological terminology follows Young (1952) except for the nomenclature of the wing, which follows Dworakowska (1993). The body measurements are from the apex of the vertex to the tip of forewing. Abdomens and genitalia were removed from specimens and cleared in a 10% KOH solution heated for 1–2 minutes. Cleared material was then rinsed in water and stored in glycerine. A Nikon SMZ1500 dissecting microscope and an Olympus BH-2 stereoscopic microscope were used for viewing and drawing. Specimens examined are deposited in the following institutions: Entomological Museum, Northwest A&F University (NWFU), Yangling, China; Illinois Natural History Survey (INHS), Champaign, USA; Queen Sirikit Botanical Garden (QSBG), Chiang Mai, Thailand.

### *Coloana* Dworakowska, 1971

Type species: *Coloana cinerea* Dworakowska

*Coloana* Dworakowska, 1971e: 346; Chiang & Knight, 1990a: 197

Body robust. Head slightly narrower than maximum width of pronotum, vertex with anterior margin subparallel to

**Measurement.** Length male 4.20–4.30mm.

**Material examined.** Holotype: ♂, China, Yunnan Prov., Lancang, Munai, 1100m, bamboo, 2 xii 1999, coll. I. Dworakowska. Paratypes: 1♂, China, Yunnan Prov., Lancang, 1100m, 2 xii 1999, coll. Qin Daozheng; 1♂, China, Yunnan Prov., Mengyuan, Sanchahe, 950m, 20 xii 1999, coll. I. Dworakowska.

**Deposition.** Entomological Museum, NWAUFU, Yangling, China.

**Remarks.** The new species resembles *C. bischofia* Sohi, but the pygofer dorsal appendage is absent, the style is slender, the aedeagal shaft has the basal part parallel-sided and the apical part exaggeratedly sinuate.

**Etymology.** The specific name is derived from the Latin word “*sinuatus*”, referring to the sinuate aedeagus.

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