

***Andrabia biprocessa* (Hemiptera: Cicadellidae: Typhlocybinae), new species and first record of the genus from China**

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Abstract

Andrabia Ahmed is recorded for the first time from China and a new species, *Andrabia biprocessa* sp.nov., is described from China. General characteristics of *Andrabia* Ahmed and a key to world species of the genus *Andrabia* are provided. A detailed morphological description and illustrations of the new species are provided.

Key words: Hemiptera, Cicadellidae, Typhlocybinae, *Andrabia*, new record, new species, China

Introduction

The leafhopper genus *Andrabia* Ahmed (1970) belongs to the Typhlocybinae tribe Erythroneurini; its type species is *A. kashmirensis*, and only two species are known. Here we describe *Andrabia biprocessa* sp.nov., the first species from China.

***Andrabia* Ahmed, 1970**

Andrabia Ahmed, 1970: 407–409; Dworakowska et Sohi, 1978: 463–471

Type species: *Andrabia kashmirensis* Ahmed, 1970

Body robust. Vertex short, broad, parallel-sided, coronal suture distinct. Lateral frontal sutures sharply convergent, situated near border to vertex, frontoclypeus narrow. Pronotum about 3 times longer than vertex. Fore wing semitransparent, with waxen-field light fuscous, 1st apical cell very large and broad, 2nd apical cell narrow with margins

subparallel, 4th apical cell short. Hind wing membranous, ambient vein at costal margin distinct, venation complete.

Male genitalia: Genital capsule cyclidrical, most of its components sclerotized, and ventral processes at penis darkest. Subgenital plate exceeding pygofer, elongated, narrowing apically, rounded terminally, 3–5 macrosetae in oblique row starting some distance from base. Paramere sclerotized. Penis fused with connective, with paired ventral appendage. Gonopore terminal.

Distribution

India (Kashmir, Himachal Pradesh); China (Guangdong, Hunan).

Key to males of *Andrabia*

- 1 Penis with both pairs of appendage situated on an extended base *A. biprocessa*
- Penis with one pair of appendage situated on an extended base 2
- 2 Praeapical process of penis long, reaching ventral margin of gonopore..... *A. aurea*
- Praeapical process of penis short, not reaching ventral margin of gonopore.....
.....*A. kashmirensis*

***Andrabia biprocessa* sp. nov.**

Figs. 1–9.

Body milky. Eyes blackish. Two subtriangulate spots in the middle of the pronotum. Basal triangles blackish.

Male genitalia: Abdominal apodemes small, not exceeding 3rd sternite. Genital capsule desclerotized, pygofer simple, anal tube broad. Subgenital plate with a distinct fold bearing 3 macrosetae in oblique row starting some distance from base and row of rigid microsetae along the outer margin and 1/3 apical inner margin. Paramere sclerotized, especially apicad, bifurcated, with several sensory pits near prae-apical lobe. Penis stem with apical 1/3 part funnel-like, aculeate-serrate marginally, membranous, fused with connective; penis base with two pairs of appendages, fused with each other basally, of these the short ones, almost straight, situated medially; the long ones sinuate, twice as long as the short ones, situated laterally.

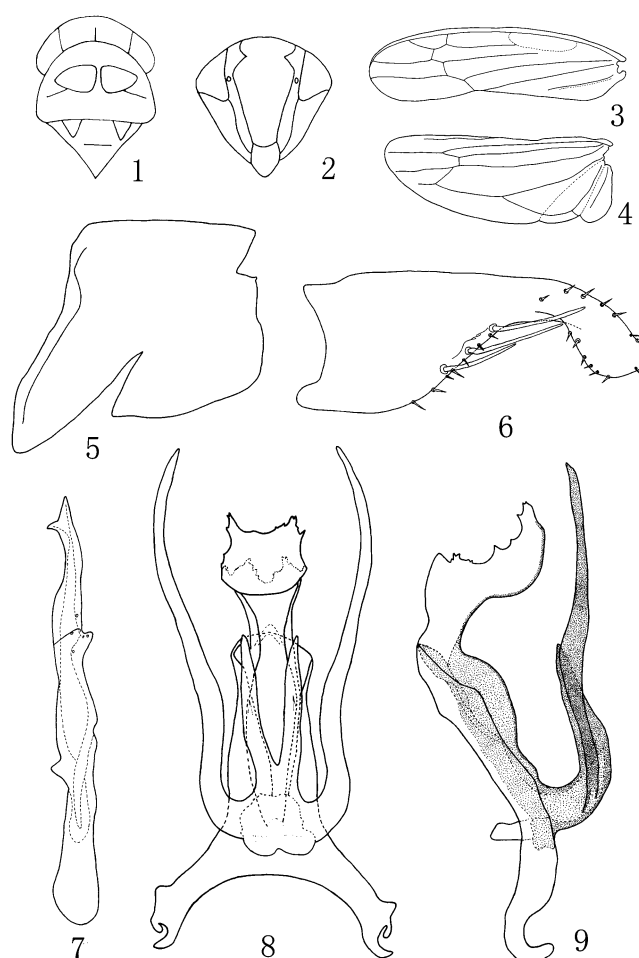
Measurement

Male 4.7mm long (including wing).

Material examined

Holotype ♂ China Guangdong Prov., Zhaoqing, Mt. Dinghu, 17 June 1983, at light,

coll. Zhang Yalin; Paratype: 1♂ Guangdong Prov., Zhaoqing Mt. Dinghu, 17 June 1983, at light, coll. Zhang Yalin, 2♂ Guangdong Prov., Zhaoqing Mt. Dinghu, 19 June 1983, at light, coll. Zhang Yalin, 1♂ Guangdong Prov., Zhaoqing Mt. Dinghu, 20 June 1983, at light, coll. Zhang Yalin, 3♂ Hunan Prov., Chenzhou, 31 July 1985, coll. Zhang Yalin and Chai Yonghui, 1♂ Hunan Prov., Chenzhou, 27 July 1985, coll. Zhang Yalin and Chai Yonghui, 3♂ Hunan Prov., Chenzhou Mt. Mang, 31 July 1985, coll. Zhang Yalin and Chai Yonghui, 1♂ Hunan Prov., Chenzhou Mt. Mang, 29 July 1985, coll. Zhang Yalin and Chai Yonghui.



FIGURES 1–9. *Andrabia biprocessa* sp.nov. 1. Head and thorax; 2. face; 3. forewing; 4. hindwing; 5. pygofer, lateral view; 6. subgenital plate; 7. Paramere; 8. penis, ventral view; 9. penis, lateral view. (5—specimen of HO040853, the rest—specimen of HO040856.)

Remarks

The new species has all the general characteristics of *Andrabia aurea* Dworakowska et Sohi (1978), but can be distinguished by having both pairs of appendage of the penis situated on an extended base and being much different in size (Figs. 8, 9).

Etymology

The specific name is derived from the Latin words “*processa*” and prefix “*bi-*”, referring to the two pairs of appendages on the penis.

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Reference

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