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Review of the leafhopper genus *Oncopsis* Burmeister (Hemiptera: Cicadellidae: Macropsinae) in China with descriptions of two new species

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Abstract

Two new macropsine species, *Oncopsis latusoid* **sp. nov.** and *O. taibaiensis* **sp. nov.** are described and illustrated from China. A checklist and illustrated key to Chinese species of this genus are given.

Key words: Homoptera, Auchenorrhyncha, Macropsini, morphology, taxonomy

Introduction

The genus *Oncopsis* was established as a subgenus in *Bythoscopus* by Burmeister (1838) with the type species *Cicada flavicollis* Linnaeus, 1761. Westwood (1840) raised *Oncopsis* to genus level. Hamilton (1980) revised this genus, dividing it into two subgenera, and revised the genus *Oncopsis* for the New World (Hamilton, 1983).

Oncopsis differs from other macropsines in having the male dorsal connectives large, S-shaped in lateral aspect, usually bearing a forked process from the ventral margin and a spatulate process from the dorsal end and the aedeagal shaft stout, unarmed, and tubular or tapered from the base. *Oncopsis* (*Oncopsis*) species have the forewing with 3 anteapical cells, the face narrower than long, frontoclypeus large with lateral compartments usually inflated, and the ocelli 4 to 5 times as far from median line of face as from eyes. *Oncopsis* (*Parasitades*) Singh-Pruthi species have 2 or 3 anteapical cells, the face as wide as long, frontoclypeus small with lateral compartments not inflated, and the ocelli twice as far from median line of face as from eyes.

Up to now, more than 88 species have been recorded worldwide, including 21 species from China (Dlabola 1963; Hamilton 1980; Viraktamath 1981, 1996; Kuoh 1981, 1992; Liu & Zhang 2003; Xu *et al.* 2006; Liu 2009; Li *et al.* 2012; Dai & Li 2013). In this paper, 2 new species (*Oncopsis latusoid* **sp. nov.** from Yunnan Province and *Oncopsis taibaiensis* **sp. nov.** from Shaanxi Province) are described and illustrated.

Material and methods

Specimens were collected using a sweep net and examined under Motic K-400L and Nikon SMZ1500 microscopes. Morphological techniques and terminologies follow Hamilton (1980) and Zhang (1990). Specimens described in this study are deposited in the Entomological Museum, Northwest A&F University (NWAUFU), Yangling, China.

Key to species of the genus *Oncopsis* from China (males)

1. Face as wide as long, tegmina with 2 anteapical cells (subgenus *Parasitades*) *O. fusca*
- Face narrower than long, tegmina with 3 anteapical cells (subgenus *Oncopsis*) 2

Material examined. Holotype: ♂, China: Shaanxi Province, Taibai Mountain, Doumugong, 2800m, 9 August 1983, coll. Shaanxi Taibai Mountain Insect Expedition; Paratypes: 1♂, 2♀, 7 August 1983, same data as holotype.

Diagnosis. This new species resembles *Oncopsis kangdingensis* and *Oncopsis nepalensis* externally, but can be distinguished by the shape of the dorsal connective hook.

Etymology. This new species epithet refers to the type locality, Taibaishan Mountain in Shaanxi Province, China.

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