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Review the leafhopper genera *Parafagocyba* Kuoh et Hu and *Zorka* Dworakowska (Hemiptera: Cicadellidae) with description of a new species and two new records from China

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Abstract

The leafhopper genus *Parafagocyba* Kuoh et Hu, 1992 and *Zorka* Dworakowska, 1970 are reviewed. One new species of *Parafagocyba* is described and illustrated, *Parafagocyba forficula* **n. sp.**, and *Parafagocyba multimaculata* Kuoh et Hu 1992 is transferred to the genus of *Zorka* Dworakowska, 1970. Two species of *Zorka* are also newly recorded from China.

Key words: Homoptera, Typhlocybini, morphology, taxonomy, distribution

Introduction

The genus *Parafagocyba* was erected by Kuoh and Hu in 1992 including 2 new species, *Parafagocyba binaria* and *Parafagocyba multimaculata*, and with *Parafagocyba binaria* as its type species. Here we add a new species, *Parafagocyba forficula* Huang and Zhang, and transfer the species *Parafagocyba multimaculata* Kuoh and Hu 1992 to the genus *Zorka* Dworakowska 1970. A key to species is provided.

The genus *Zorka* was described by Dworakowska in 1970 with *Zorka ariadnae* Dworakowska, 1970 as its type species and with other 2 new species described at the same time. Thereafter, 4 additional species were reported by Dworakowska (1977), Thapa (1989) and Chiang *et al.* (1989). Our transfer of *Parafagocyba multimaculata* Kuoh et Hu, 1992 to *Zorka* yields a total of 8 recognized species in the genus worldwide. A checklist and a key to species are provided.

Materials and methods

Genitalia preparations were made by clearing the abdomen in 10% NaOH for 8–10h. The apex of the abdomen was transfered to glycerin for further dissection and examination. After examination it was moved to fresh glycerin and stored in a microvial pinned below the specimen. The types and other specimens examined are deposited in Entomological Museum of the Northwest A&F University, Yangling, China (NWAFU) and Nankai University, Tianjin, China (NKU).

The terminology of the adult genitalia generally follows Young (1952) and the venation follows Dworakowska (1993).

Parafagocyba Kuoh et Hu, 1992

Parafagocyba Kuoh et Hu, 1992: 322.
Type-species: *Parafagocyba binaria* Kuoh et Hu, 1992

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