



# Article

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## Remarks on the genus *Sinocyrtaspis* (Orthoptera: Tettigoniidae: Meconematinae) from China

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### Abstract

The paper deals with two new species of the genus *Sinocyrtaspis* Liu, 2000 from China, namely *Sinocyrtaspis brachycercus* **sp. nov.**, *Sinocyrtaspis angustisulcus* **sp. nov.**, and supplements the photographs of *Sinocyrtaspis spina* Shi & Du, 2006. All material examined is deposited in the Museum of Hebei University.

**Key words.** Meconematinae, *Sinocyrtaspis*, new species, China

### Introduction

The genus *Sinocyrtaspis* is a very odd group in which the metazona of the thorax bows hood-like, over the insect (Fig. 1A). The genus was established by Liu (2000), with type species *Sinocyrtaspis lushanensis* Liu, 2000 (type locality: Lushan, Jiangxi, China). Two additional new species were added, *Sinocyrtaspis huangshanensis* Liu, 2000 (type locality: Huangshan, Anhui, China) and *Sinocyrtaspis? truncata* Liu, 2000 (type locality: Mao'ershan, Xing'an, Guangxi, China). Shi & Du (2006) reported one new species of *Sinocyrtaspis* from Guizhou, i.e. *Sinocyrtaspis spina* Shi & Du, 2006 (type locality: Fanjingshan, Guizhou, China).

So far *Sinocyrtaspis* is known from four species, all occur in China. The males of *Sinocyrtaspis huangshanensis* Liu, 2000 and *Sinocyrtaspis? truncata* Liu, 2000 are unknown. They were described on the basis of single females. Whether they should belong to the genus *Sinocyrtaspis*, will be determined when males are found.

This study deals with two new species of *Sinocyrtaspis* from China, and provides additional photographs of *Sinocyrtaspis spina* Shi & Du, 2006. The type specimens are deposited in the Museum of Hebei University.

### Genus *Sinocyrtaspis* Liu, 2000

*Sinocyrtaspis* Liu, 2000. *Zoological Research*, 21(3): 219, 224.

Type species: *Sinocyrtaspis lushanensis* Liu, 2000.

**Generic diagnosis.** Body small. Fastigium verticis conical, with a median sulcus, apex obtusely rounded. Eyes subglobular. Apical segment of maxillary palpus slightly longer than subapical one, apex slightly swollen. Pronotum distinctly protruding backwards, metazona obviously raised and enlarged, posterior margin of lateral lobe widened, without humeral sinus. All femora without spines on ventral margins, apices of genicular lobes obtuse, pro- and mesotibia with spines on ventral margin, tibial tympana open on both sides; posttibiae with a pair of dorsal apical spurs and two pairs of ventral apical spurs. Male tegmina completely concealed beneath pronotum, female tegmina squamiform; hind wings absent. Male tenth abdominal tergite projecting caudad, posterior margin with a pair of projections, or a notch; epiproct absent; subgenital plate comparatively larger, with a pair of styli. Genitalia sclerotized.