

Checklist of the genus *Cybocephalus* Erichson (Coleoptera: Cybocephalidae) of China, with description of a new species from Yunnan Province

MINGYI TIAN

Department of Entomology, College of Natural Resources & Environment, South China Agricultural University, Guangzhou 510640, China

Abstract

A checklist to all known species of the genus *Cybocephalus* Erichson of China is presented, together with distributional data. A new species from western Yunnan Province is described and illustrated: *Cybocephalus liui* n. sp.

Key words: Coleoptera, Cybocephalidae, *Cybocephalus*, checklist, new species, China

Introduction

The small family Cybocephalidae (Coleoptera: Cucujoidea) is composed of more than 170 species from all over the world. It ranges from Palaearctic, Ethiopian, Oriental, Australian to Neotropical Regions (Vinson, 1959; Endrödy-Younga, 1962, 1964, 1968, 1971, 1982; Kirejtshuk et al., 1997; Lima, 2002). *Cybocephalus nipponicus* Endrödy-Younga, an Asian species, has been successfully introduced to North America (Drea et al., 1988). Members of Cybocephalidae are well known as predators of diaspidid scales (Endrödy-Younga, 1968, Klumberg et al., 1974; Wang et al., 1984), but some species also prey on red mites (Wang et al., 1984) or whiteflies (Kirejtshuk et al., 1997; Tian et al., 2003).

In the Chinese fauna of Cybocephalidae only the dominant genus *Cybocephalus* Erichson occurs. Twenty-one species have been recorded so far. It is assumed that it is still possible to discover more species in the future because the fauna of these small, compact-shaped beetles is still not well surveyed in many parts of China. Therefore, the author prefers to provide a checklist in the present paper rather than a key to the all known species.

Recently, a peculiar species collected from Tongbiguan Natural Reserve, which is