



The *maculosus* group of the genus *Celaenorrhinus* Hübner, 1819 from China, with discovery of female *C. kuznetsovi* Devyatkin, 2000 (Lepidoptera: HesperIIDae: Pyrginae)

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Abstract

The *maculosus* group of the genus *Celaenorrhinus* from China is reviewed, in which 7 species are treated. Taiwanese *maculosus taiwanus* is reinstated to full species rank. The hitherto unknown female of *C. kuznetsovi*, as well as the female genitalia of *C. maculosus* and *C. major* are described. Adults and genitalia are illustrated, and a brief description of each species is given. A Key to the Chinese species of the *maculosus* group is provided.

Key words: *Celaenorrhinus*, China, *maculosus* group, Oriental region, skippers

Introduction

The genus *Celaenorrhinus* (HesperIIDae: Pyrginae) was proposed by Hübner (1819) with *Papilio eligius* Stoll, 1780 as the type-species. The genus is one of the largest in the family HesperIIDae, and comprises approximately 90 known species worldwide (Bascombe *et al.*, 1999), of which 47 species occur in the Oriental region (de Jong & Treadaway, 2007). Chou (1994, 1998) recorded 10 species from China, but two of them, *C. choui*, 1994 and *C. sp.*, are actually *Pintara bowringi* (Joicey & Talbot, 1921) (Devyatkin, 1998) and *Capila pauripunetata* Chou & Gu, 1994 (the present study) respectively. Shirôzu (1960) and Hsu (1990) divided the Taiwanese species into species groups based on several morphological characters, of which one group included *C. oscula* and *C. maculosa*. Subsequently Devyatkin (2000) named it *C. maculosa-oscula* group, described 3 new species from Vietnam, and raised *C. osculus major* Hsu, 1990 to species level. Then Huang & Wu (2003) added another new species, *yaojiani*. Herein we call the *C. maculosa-oscula* group *sensu* Devyatkin (2000) the *maculosus* group, and reinstated the Taiwanese *maculosus taiwanus* to species level. Accordingly, the group now consists of 8 species (Devyatkin, 2000; Huang, 2003), of which 7 occur in China.

C. kuznetsovi Devyatkin, 2000 is one of the 3 species described by Devyatkin and is based on a single male specimen from central Vietnam. In the course of our taxonomic study on Chinese HesperIIDae, it was confirmed that 11 specimens (7 males and 4 females) from Nanling Nature Reserve in Guangdong Province and Maoershan Nature Reserve in Guangxi Autonomous Region were *C. kuznetsovi*. Herein female of the species is described for the first time.

Adults and genitalia of all Chinese species are illustrated, along with a brief description of each species.

Material and methods

Specimens examined are mainly in the collection of the South China Agricultural University (SCAU), Guangzhou, except the holotype of *C. yaojiani* Huang & Wu, 2003, which is deposited in the Institute of Zoology, Chinese Academy of Sciences (IZCAS), Beijing, the samples collected by Drs. Suguru Igarashi and Masayo Kato of *C.*

Acknowledgements

We are grateful to Prof. Min Wang and Mr. Xiao-Hua Deng (SCAU) for collecting specimens, and also to Dr. Hai-Ming Xu (SCAU) for collecting specimens, comments on identifying some species, and suggestions on the manuscript. We appreciate Mr. Hiroshi Tsukiyama for the loan of materials from his collection. Much thanks to Prof. Da-Yong Xue and Dr. Hong-Xiang Han (IZCAS) for providing photos of the holotype of *C. yaojiani*. We wish to express our appreciation to Dr. Masaya Yago (UMUT) for examining the samples of *C. taiwanus*. Thanks also to Prof. Richard S. Peigler (University of the Incarnate Word, Texas, USA) for corrections to this manuscript. This research was financially supported by the Natural Science Foundation of China (no.31172136).

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