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Two new species and two new records of *Ptecticus* Loew (Diptera: Stratiomyidae: Sargiinae) from China

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Abstract

Two species, *Ptecticus brevispinus* **sp. nov.** and *P. guangxiensis* **sp. nov.**, from China are described and illustrated. Additional two species, *P. longispinus* Rozkošný & Kovac, 2003 and *P. melanurus* (Walker, 1848), are recorded from China for the first time. A checklist of the known Chinese *Ptecticus* Loew, 1855 species together with their geographical distribution and a new identification key (19 spp.) are presented.

Key words: Diptera, Stratiomyidae, *Ptecticus*, new species, new records, China

Introduction

The genus *Ptecticus* Loew, 1855 belongs to the subfamily Sarginae. It was established by Loew (1855) based on *Sargus testaceus* Fabricius, 1805. According to the world catalogue by Woodley (2001, 2011) and subsequent studies by Hauser & Rozkošný, 2007 & Rozkošný & Hauser, 2009), 142 species are known by the end of 2014 from all over the world. Fourteen species are from the Afrotropical, 52 species are Neotropical, 5 are Nearctic, 17 from Australasian, 8 from Palaearctic and 52 from the Oriental Regions. From China 15 species of *Ptecticus* have been recorded (Walker, 1849, 1854; Enderlein, 1914; Ôuchi, 1938, 1940; Rozkošný & de Jong, 2001; Yang & Yang, 1995, Mason & Rozkošný, 2005b, Rozkošný & Hauser, 2009; Yang *et al.* 2013; Yang *et al.* 2014). They are *P. aurifer* (Walker, 1854); *P. australis* Schiner, 1868; *P. bicolor* Yang *et al.*, 2014; *P. brunescens* Ôuchi, 1938; *P. cingulatus* Loew, 1855; *P. elongatus* Yang *et al.*, 2014; *P. fukienensis* Rozkošný & Hauser, 2009; *P. japonicus* (Thunberg, 1789); *P. kerteszi* de Meijere, 1924; *P. melanurus* (Walker, 1848); *P. shirakii* Nagatomi, 1975; *P. sinchangensis* Ôuchi, 1938; *P. srilankai* Rozkošný & Hauser, 2001; *P. tricolor* Wulp, 1904 and *P. vulpianus* Enderlein, 1914. During our study on Stratiomyidae in China, we discovered four species which represent interesting additions to the *Ptecticus* fauna of China: *P. brevispinus* **sp. nov.** and *P. guangxiensis* **sp. nov.** are new to science, *P. longispinus* Rozkošný & Kovac, 2003 and *P. melanurus* (Walker, 1848) are new distributional records for China. The total number of *Ptecticus* species in China raised thus to 19.

Material and methods

396 specimens from the Institute of Entomology, Guizhou University, Guiyang, Guizhou Province, P.R. China (GUGC) and the Guizhou Academy of Forestry, Guiyang Guizhou Province, P. R. China (GAFC) were examined for this study.

Measurements were taken with an ocular micrometer mounted on a Nikon eclipse 50i. The genitalia of the examined specimens were macerated in 10% KOH and then preserved in glycerin and mounted under the relevant