

## Notes on the genus *Homoneura* from Guizhou, China (Diptera: Lauxaniidae)

CAIXIA GAO<sup>1,2</sup> & DING YANG<sup>1,\*</sup>

<sup>1</sup>Department of Entomology, China Agricultural University, Beijing 100094, China.  
Email: dyangcau@yahoo.com.cn;

<sup>2</sup>Institute of Zoology, Chinese Academy of Sciences, Beijing 100080, China;  
\*To whom the correspondence and reprint request should be addressed.

### Abstract

A review of the genus *Homoneura* from Guizhou, China is provided, including a key to the species. The following 4 species are described as new to science: *Homoneura* (*Chaetohomoneura*) *setuligera* sp. nov., *Homoneura* (*Homoneura*) *lii* sp. nov., *H. (H.) procerula* sp. nov. and *H. (H.) yangi* sp. nov.

**Key words:** Diptera, Lauxaniidae, *Homoneura*, new species, China (Guizhou)

### Introduction

The family Lauxaniidae with Celyphidae and Chamaemyiidae belongs to the superfamily Lauxanioidea (McAlpine 1989). Larvae apparently are saprophagous, having been found in fallen leaves, straw, rotting wood, and birds nests, but adults may be mostly frugivorous (Miller & Foote 1975; Broadhead 1984). They were utilized as the designator of agricultural environment (Reddersen 1995). The genus *Homoneura* van der Wulp belongs to the subfamily Homoneurinae. It is the largest genus of the family with 44 known species from the Palaearctic region (Papp 1984) and 161 known species from the Oriental region (Shewell 1977). The major references dealing with *Homoneura* are as follows: Gao & Yang (2004); Gao, Yang, & Gaimari (2004); Kim (1994); Sasakawa (1992, 2001); Shatalkin (2000).

Five species were known from Guizhou (Gao & Yang 2002). In the present paper, 4 new species are added to the fauna of Guizhou, and a key to the species of the genus from Guizhou is presented.