



## *Caliothrips tongi* sp.n. (Thysanoptera, Thripidae) from China, and a dubious record of North American Bean Thrips

LAURENCE A. MOUND<sup>1</sup>, HONGRUI ZHANG<sup>2</sup> & YAWEI BEI<sup>3</sup>

<sup>1</sup>CSIRO Ecosystem Sciences, P.O.Box 1700, Canberra, ACT 2601, Australia. E-mail: laurence.mound@csiro.au

<sup>2</sup>Ministry of Education Key Laboratory of Agriculture Biodiversity and Pest Management, Kunming, 650201.  
E-mail: hongruizh@yahoo.com.cn

<sup>3</sup>Institute of Plant Protection and microorganism, Zhejiang Academy of Agriculture Science, Hangzhou, 310021.

### Abstract

A new species, *Caliothrips tongi*, is described from eastern China, and an old record of the North American bean thrips, *Caliothrips fasciatus* (Pergande), from the same area is considered unreliable. *Oneilliella pallidizonata* Kudo is transferred to *Caliothrips* as a new combination.

**Key words:** *Caliothrips fasciatus*, bean thrips, *Oneilliella*, Thripidae

### Introduction

The North American Bean Thrips, *Caliothrips fasciatus* (Pergande), is endemic to North America where it ranges from Florida to Idaho and California, and south into western Mexico (Hoddle et al., 2006, 2008). One outstanding locality record of this thrips is from China, Foochow (Fuzhou, Fujian Province), by Steinweden & Moulton (1930), a record that has been repeated by other authors (Wilson, 1975) but apparently without the original specimen from Foochow being re-examined. The extensive account of the Thysanoptera fauna of China (Han, 1997) records *C. fasciatus* from Fujian and Guangdong Provinces, however, the illustrations and description provided by Han are copied from publications of overseas authors, and are not based on Chinese specimens. An added complication is that *C. fasciatus* was detected in 2008 by the Australian Quarantine Service on plants imported from China, although little reliability can be placed on distribution records based on quarantine interceptions because of the high risk of cross contamination in transit. There is thus a lack of evidence that this North American pest species actually occurs in China. One female from Fujian Province, that had been labelled provisionally as *C. fasciatus* by Prof. Tong Xiao-Li, based on the information in Han (1997), was examined several years ago and considered to be an undescribed species, but its condition was too poor to warrant description. More recently, this same species has been collected at Hangzhou, Zhejiang Province, and the two purposes of this paper are to describe this new *Caliothrips* species, based on both sexes, and to comment on the record of *C. fasciatus* from China as a result of examining the original specimen. Nomenclatural details of all thrips taxa mentioned here are web-available (Mound, 2010).

### *Caliothrips* Daniel

*Caliothrips* Daniel, 1904: 296. Type species *C. woodworthi* Daniel, now considered a synonym of *Heliothrips fasciatus* Pergande.

Wilson (1975) provided a key to the 18 species of this genus that were recognised at that time, and Nakahara (1991) subsequently described two further species, from Florida and Georgia, with a key to the 10 species recorded