



A new species of Sericothripinae from China (Thysanoptera: Thripidae), with two new synonyms and one new record

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Abstract

One new species of subfamily Sericothripinae (Thysanoptera: Thripidae) is described and illustrated: *Hydatothrips longjingensis* sp. n., and *H. abdominalis* (Kurosawa) is newly recorded from China. The following taxonomic changes are established: *Sericothrips houji* (Chou & Feng) **comb. n.** (from *Hydatothrips*).

Key words: Sericothripinae, *Hydatothrips*, *Sericothrips*, new species, China

Introduction

The family Thripidae includes four subfamilies, of which Sericothripinae comprises about 140 species (Mound, 2011) in three genera: *Sericothrips* Haliday, *Hydatothrips* Karny and *Neohydatothrips* John (Wang, 2007; Mound & Tree 2009). Members of this subfamily are recognized by the following character states: presence of numerous rows of microtrichia on the body surface including the legs; antennal segment VI sensorium with an elongate and slender base; pronotum reticulate with a chitinized area (blotch); forewing first vein with continuous setal row, second vein with no setae or with few distally, posterior fringe cilia wavy (Bhatti, 1973; Wang, 2007; Mound & Tree, 2009; Masumoto, 2010). Six genera of Sericothripinae have previously been recorded from China, but three (*Zonothrips* Priesner, *Kazinothrips* Bhatti and *Sussericothrips* Han) are now considered synonyms (Wang, 2007; Mound & Tree, 2009). Chou & Feng (1990) described three species from China in *Hydatothrips* (*jiawensis*, *chinensis* and *houji*), and the original specimens of these have now been re-examined. This paper records our conclusions on the identity and relationships of these specimens, based on comparisons of the type material with newly collected specimens. A further new species, from tea (*Camellia sinensis*), is described and illustrated. Mirab-balou *et al.* (in press) lists 25 species of this subfamily from China (including Taiwan).

Material and methods

The specimens studied were collected during 2009–2010 from various sites in China: Zhejiang Province (Xiangshan, Ningbo and Tianmu Mountain), Beijing, Shandong Province and Shaanxi Province (Yangling). They were prepared onto slides following Mirab-balou & Chen (2010). Specimens were studied from the following collections: Entomological Museum, Northwest A. & F. University, Yangling, Shaanxi Province (NWAUFU); National Zoological Museum of China, Institute of Zoology, Chinese Academy of Sciences, Beijing, China (Han's collection) (IOZ); Institute of Insect Sciences, Zhejiang University, Hangzhou, Zhejiang Province (ZJUH). All descriptions, measurements and photos were made with a Leica DM IRB microscope. All measurements are in micrometers.