



***Hydatothrips* and *Neohydatothrips* (Thysanoptera, Thripidae) of East and South Asia with three new species from Taiwan**

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Abstract

The tribe Sericothripini is divided into three genera, *Sericothrips* Haliday, *Hydatothrips* Karny and *Neohydatothrips* John. The genera *Corcithrips* Bhatti, *Faureana* Bhatti, *Pyrothrips* Bhatti, *Sariathrips* Bhatti and *Zonothrips* Priesner are considered new synonyms of *Hydatothrips*. The genera *Elbuthrips* Bhatti and *Kazinothrips* Bhatti are considered new synonyms of *Neohydatothrips*. Keys to the 23 species of *Hydatothrips* and 16 species of *Neohydatothrips* in East and South Asia, including Taiwan, China, Korea, Japan, India, Malaysia and the neighboring areas are given. *Neohydatothrips pectinarius* Kudo is a new synonym of *N. medius* Wang, *N. populi* Han is new synonym of *N. elaeagni* Kudo, and *Z. luridus* Ananthakrishnan is a new synonym of *N. plynopygus* (Karny). This paper describes three new species from Taiwan, *H. flavidus*, *H. meriposa*, and *N. surrufus*, and records from Taiwan for the first time the following four species: *N. gracilipes* Hood, *N. plynopygus* (Karny), *N. samayunkur* Kudo and *N. tabulifer* (Priesner).

Key words: *Hydatothrips*, *Neohydatothrips*, Asia, Taiwan, new synonyms, new species

Introduction

Bhatti (1973) reviewed *Sericothrips* Haliday and related genera, and revised the concept of the tribe Sericothripini Priesner. As a result, *Sericothrips* is restricted to a small group of species all of which show a tendency toward wing-reduction. Most of the species of Sericothripini in Asia were described after 1970. Some of these species were grouped into genera or subgenera by Bhatti (1973) and also Kudo (1991, 1997), but the majority were placed in the genus *Hydatothrips* Karny and the genus (or subgenus) *Neohydatothrips* John. In the present paper only three genera are treated as valid, *Hydatothrips*, *Neohydatothrips* and *Sericothrips*. The species of *Corcithrips* Bhatti, *Faureana* Bhatti, *Pyrothrips* Bhatti, *Sariathrips* Bhatti and *Zonothrips* Priesner are considered as members of *Hydatothrips*, and the species of *Elbuthrips* Bhatti and *Kazinothrips* Bhatti are considered as members of *Neohydatothrips*.

Considering the described species from Taiwan (Chen, 1977, Wang, 1994), China (Han, 1997), Japan (Kudo, 1991), Korea (Woo, 1974), India (Ananthakrishnan, 1980; Bhatti, 1990), and Malaysia and its neighboring areas (Kudo, 1997), together with the three new species from Taiwan described in this paper, there are now 23 species of *Hydatothrips* and 16 species of *Neohydatothrips* recorded from this part of the world. Identification keys have been constructed and are presented here based on specimens from Taiwan and a review of the literature for the other species. Kudo gave detailed descriptions and figures for the 23 species he studied, and Ananthakrishnan, Bhatti and Han also gave keys and descriptions for the species they studied. Using the details provided by these authors it has proved possible to prepare identification keys to all of the species of the area now placed in *Hydatothrips* or *Neohydatothrips*.