



Review of the genus *Synochoneura* Obraztsov, with the description of a new species from China (Lepidoptera: Tortricidae)

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Abstract

Synochoneura is a small genus restricted to China. The genus is reviewed, and one new species is described: *Synochoneura dentana* sp. n. The female of *S. tapaishani* (Caradja) is reported for the first time. Images of adults, male genitalia, and female genitalia are provided, along with a key to the known species.

Key words: Lepidoptera, Tortricidae, *Synochoneura*, new species, China

Introduction

Synochoneura is a small genus in the subfamily Tortricinae with a known distribution that is limited to China. Obraztsov (1955) proposed the genus with *Eulia ochriclivis* Meyrick as the type species. Razowski (1971) transferred *Tortrix tapaishani* to *Synochoneura* and later (Razowski 1987, 1993) redescribed the genus and catalogued the two described species. Currently, only these two species are recognized as belonging to the genus (Brown, 2005).

The geographic distribution of *Synochoneura* species is shown in Fig. 1. Although the genus is endemic to China, it was not included in the recent comprehensive work on the Chinese Tortricidae by Liu and Li (2002). In this paper, we describe *Synochoneura dentana*, sp. nov., and redescribe the two known species, reporting the female of *S. tapaishani* (Caradja) for the first time.

Materials and Methods

We examined 63 pinned specimens of adult moths collected by light trap from several reserves in China, where the vegetation is mainly hardwood forest or mixed conifer and hardwood forest. Terminology for morphological features follows Horak (1984) and Razowski (1987). Methods of genitalia dissection follow Li & Zheng (1996). Digital images of adults and genitalia were captured with a Nikon Coolpix 4500 digital camera. All specimens examined are deposited in the Insect Collection, College of Life Sciences, Nankai University, Tianjin, China.

Synochoneura Obraztsov, 1955

Synochoneura Obraztsov, 1955, *Tijdschr. Ent.*, **98**(3): 151.

Type species. *Eulia ochriclivis* Meyrick, 1931, by original designation.