



A new species and two new combinations in the genus *Fibuloides* Kuznetsov (Lepidoptera: Tortricidae: Eucosmini) from Thailand

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Abstract

A new species of *Fibuloides* Kuznetsov (Lepidoptera: Tortricidae: Eucosmini), *Fibuloides khaonanensis* Pinkaew, is described and illustrated based on male specimens collected from evergreen forest in Khao Nan National Park, Nakhon Si Thammarat Province, Thailand. *Eucoenogenes bicucullus* Pinkaew and *Eucoenogenes vanevae* Pinkaew, described from male and female specimens collected from Thong Pha Phum National Park, Thailand, are transferred to *Fibuloides* (n. comb).

Key words: new species, new combination, Eucosmini, *Fibuloides*, *Eucoenogenes*

Fibuloides was described as monobasic by Kuznetsov (1997) to include *Fibuloides modificana* Kuznetsov from South Vietnam. Kuznetsov (1997) characterized the genus by the following features: costal fold narrow in male, forewing veins R_4 and R_5 stalked, R_3 base close to this stem, CuA_1 strongly curved and originating near M_3 base, hindwing with M_3 and CuA_1 stalked, and the valve extremely modified, with an unusually long, sclerotized processes originating from the apex of the sacculus. Horak (2006) noted that males in this genus usually have a notch at the base of the flagellum, modified fringe scales along anal margin or long hair pencils from base of anal margin, modified scaling dorsally as a transverse band on the abdomen, and weak lateral arms of the gnathos from below the middle of the tegumen with two sclerotized bands arising medially. Brown (2005) included one species, *F. modificana*, in the genus in the world catalogue of Tortricidae. Subsequently, Horak (2006) described *F. phycitipalpia* and *F. minuta* and transferred 17 species to the genus: *Acroclita corinthia* Meyrick, *A. macrosaris* Meyrick, *A. neaera* Meyrick, *A. nigrovenana* Kuznetsov, *A. thysanota* Meyrick, *Eucoenogenes aestuosa* Meyrick, *E. cyanopsis* Meyrick, *E. deltostoma* Diakonoff, *E. euphlebica* Kawabe, *E. japonica* Kawabe, *E. levatana* Kuznetsov, *E. pythonias* Meyrick, *E. segregana* Kuznetsov, *Epinotia munda* Diakonoff, *Hermenias metaspra* Diakonoff, *Peridaedala biuncana* Kuznetsov, and *P. crocoptila* Diakonoff. *Epinotia munda* previously was transferred to *Eucoenogenes* by Pinkaew *et al.* (2005) before it was transferred to *Fibuloides*. The purpose of this paper is to describe one new species of *Fibuloides* and transfer two species from *Eucoenogenes* to *Fibuloides*.

Materials and methods

Tortricidae were sampled in Khao Nan National Park at elevations from 90 m to 375 m in evergreen forest. All specimens were collected with a 20-watt blacklight operated with a car battery and suspended in front of a sheet. Latitude and longitude were recorded with a Magellen GPS 315. All specimens were pinned and spread