

## Synopsis of the Genus *Hygroplasta* Meyrick in the World with Description of a New Species (Lepidoptera: Lecithoceridae)

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**Chun-Sheng Wu (1998)** Synopsis of the genus *Hygroplasta* Meyrick in the world with description of a new species (Lepidoptera: Lecithoceridae). *Zoological Studies* 37(3): 197-200. In a systematic synopsis of the genus *Hygroplasta* Meyrick, 4 species are recognized from South and Southeast Asia: *H. spoliatella* (Walker) from Sri Lanka and India, *H. lygaea* (Meyrick) from Kashmir and Nepal, *H. monodryas* (Meyrick) from India, and *H. notolatra* sp. n. from Malaysia. A key to the species based on the male and female genitalia is provided; adults and genitalia of the type species and new species are described and illustrated.

**Key words:** Taxonomy, *Hygroplasta*, Lecithocerid moths, Lepidoptera.

The genus *Hygroplasta* was described by Meyrick (1925) based on *Gelechia spoliatella* Walker from India and Sri Lanka, and he included another 3 species in this genus: *Hygroplasta lygaea* (Meyrick) from Kashmir, *H. monodryas* Meyrick from India, and *H. continctella* (Walker) from Sri Lanka. Gozmany (1978) redescribed *Hygroplasta lygaea* (Meyrick) from Nepal and transferred *H. continctella* (Walker) to a membership in the Xyloryctidae.

The paratype series of all the known 4 species of *Hygroplasta* in the collections of the National Museum of Natural History (NMNH) provided me with the opportunity to synopsise this genus.

In this paper, I redescribed the type species, *H. spoliatella*, including a description of the male genitalia which has not previously been known, and described a new species from Malaysia. The type specimens are deposited in NMNH, Smithsonian Institution, Washington, D.C.

### MATERIALS AND METHODS

Specimens examined are based on collection made by G. F. Hevel in 1983. All paratypes of the previously known species in NMNH are also examined to compare with new materials. Illustrations

were made with a camera lucida. Methods of dissection, morphometric characters, and terminology follow Gozmany (1978) and Wu (1997).

### SYSTEMATIC ACCOUNTS

#### Genus *Hygroplasta* Meyrick, 1925

*Hygroplasta* Meyrick, 1925: 244; Clarke 1965: 99; Gozmany 1978: 229-230. Type species: *Gelechia spoliatella* Walker, 1864.

**Diagnosis:** This genus is superficially similar to *Torodora* Meyrick, but differs from the latter by the forewing with  $R_4$  and  $R_5$  coincident.

**Distribution:** Malaysia, Kashmir, Nepal, India, and Sri Lanka.

#### Key to the species of *Hygroplasta* based on male genitalia \*

1. Valva short and wide; aedeagus longer than valva ..... 2  
Valva long and narrow; aedeagus shorter than valva ....  
..... *H. notolatra* sp. n.
2. Juxta with wide caudal process; vinculum very long ventrally ..... *H. spoliatella*  
Juxta with narrow caudal process; vinculum short ventrally ..... *H. lygaea*

\* The key does not include the species *H. monodryas* because the abdomen of the male is missing and so the male genitalia is unknown.