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# BIONOTES

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**REPORT OF THE GENUS *EUHAMPSONIA* DYAR, 1897  
(LEPIDOPTERA: NOTODONTIDAE) FROM ARUNACHAL  
PRADESH, INDIA**

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**ABSTRACT:**

This note presents the first record of the genus *Euhampsonia* in Arunachal Pradesh, documenting the occurrence of both *Euhampsonia niveiceps* (Walker, 1865) and *E. rubricata* Schintlmeister & Irungbam, 2019.

**INTRODUCTION.**

The genus *Euhampsonia*, belonging to the family Notodontidae, was established by Dyar in 1897, with *Trabala niveiceps* Walker, 1865, as its type species, originating from North India. Initially placed in the subfamily Dudusinae by Schintlmeister (2008), subsequent molecular analysis by Kobayashi & Nonaka (2016) reassigned *Euhampsonia* to the subfamily Notodontinae. Adult moths of this genus typically rest with their heads pointed downward. Most species within the genus feed on various *Quercus* species (Fagaceae).

Morphologically, moths of this genus are distinct within Notodontinae, characterized by short, bipectinate brown antennae with

pectinations extending nearly to the tips. Their wings and body are yellowish-brown, with the forewings featuring a prominently serrated margin and a distinctive pale yellowish discoidal spot. The male genitalia are diagnostic for identification, particularly the costal valve process and the deeply bilobed shape of the 8<sup>th</sup> sternite. The genus *Euhampsonia* includes nine species distributed across the Himalaya (including Nepal and Bhutan), Myanmar, mainland China, the Far East, Taiwan, Indochina, and New Guinea (Schintlmeister, 2008). In India, the genus is represented by two species: *Euhampsonia niveiceps* (Walker, 1865) and *E. rubricata* Schintlmeister & Irungbam, 2019. The present study reports the first recorded occurrence of both species in Arunachal Pradesh.

**Observation:**

**Genus *Euhampsonia* Dyar, 1897**  
***Euhampsonia niveiceps* (Walker, 1865):**  
**554) (*Trabala*)**

**Figure 1.**

TL: North Hindostan [= North India]

*Euhampsonia niveiceps occidentalis* Rothschild, 1917; 24: 258.

**Material examined:** 2 ♂♂, India, Arunachal Pradesh, West Kameng District, Bompou Camp, EWS, 27.066124°N, 92.406129°E, 06.v.2022. leg. Local collector.

**Distribution:** India: Himachal Pradesh (Kulu, Dalhousie), Uttarakhand (Kumaon), Sikkim, Assam (Chandra *et al.*, 2018); Arunachal Pradesh (present study). Elsewhere: Nepal (Sugi 1992); Bhutan (Gielis *et al.* 2022); China, (Schintlmeister & Pinratana, 2007).

**Remarks:** *Euhampsonia niveiceps* bears a strong morphological resemblance to the Oriental species *E. serratifera* Sugi, 1994, which has been recorded in Thailand, Myanmar, Vietnam, and various regions of China (Zhejiang, Sichuan, Hunan, Shaanxi, Yunnan) (Schintlmeister & Pinratana, 2007). However, *E. niveiceps* can be distinguished from *E. serratifera* by the absence of the lateral flap-like expansion of the sacculus, a feature present in *E. serratifera* (Sugi, 1994).

***Euhampsonia rubricata* Schintlmeister & Irungham, 2019: 195.**

**Figures 2, 3.**

TL: India, Manipur, Shirui Hills.

**Material examined:** 2 ♂♂, India, Arunachal Pradesh, Lower Dibang Valley, road Roing-Hunli, 65km, 1970m, 28°18'20''N, 95°55'17''E, 06.v.2021. leg. Local collector.

**Distribution:** India: Manipur (Schintlmeister & Irungham, 2019); Arunachal Pradesh (present study). Elsewhere: Myanmar (Schintlmeister & Irungham, 2019).

**Remarks.** *Euhampsonia rubricata* closely resembles *E. sinjaevi* Schintlmeister, 1997, a species recorded from southern China (Yunnan, Sichuan, Shaanxi), Vietnam, Laos, northern Thailand, and eastern Myanmar (Schintlmeister & Pinratana, 2007; Schintlmeister, 2008). However, *E. rubricata* can be distinguished by its darker reddish-brown wings. The forewings feature deep, irregular indentations along the outer margin, and the hind wings are also a darker reddish-brown. While the male genitalia of *E. rubricata* are similar to those of *E. sinjaevi*, they differ in several aspects. In *E. rubricata*, the uncus is pointed at the tip, slightly broader, and shorter compared to the narrower and longer uncus in *E. sinjaevi*. The socii in *E. rubricata* are acute at the apex and characteristically elbowed, whereas in *E. sinjaevi*, they are longer, gently curved, and slenderer. Additionally, the valva in *E. rubricata* is narrower than in *E. sinjaevi*. Both species share a squarish and gently bilobed 8th tergum at the posterior margin.

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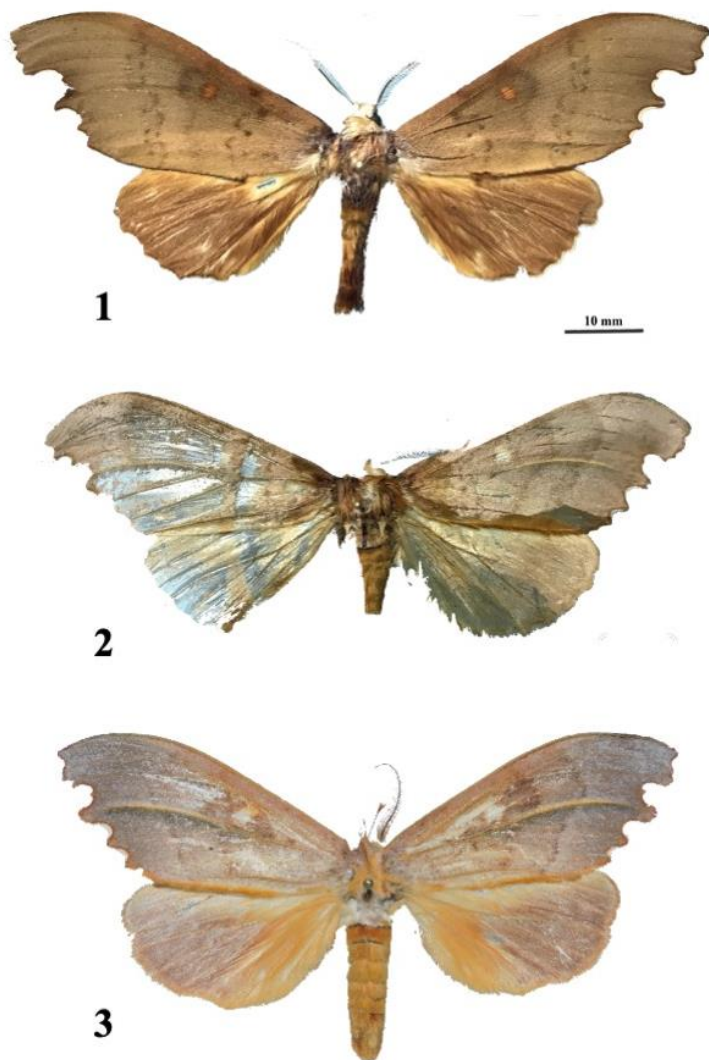
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**Figures 1-3:**

1. *Euhampsonia niveiceps*, West Kameng District, Arunachal Pradesh.
2. *E. rubricata*, Lower Dibang Valley, 65 km., Arunachal Pradesh.
3. *E. rubricata*, paratype, Shirui Hill, Ukhrul district, Manipur.