First records of five species of the genus Cyana Walker, 1854 from Myanmar (Lepidoptera: Erebidae: Arctiinae)

Первые находки пяти видов из рода Cyana Walker, 1854 для фауны Мьянмы (Lepidoptera: Erebidae: Arctiinae)

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KEY WORDS: new records, lichen moths, Lithosiini, fauna, biodiversity.

КЛЮЧЕВЫЕ СЛОВА: навые находки, лишайницы, Lithosiini, фауна, биоразнообразие.

ABSTRACT. In this study, we report on the first records of Cyana abrupta Volynkin et Černý, 2019, C. dudgeoni Hampson, 1895, C. harterti (Elwes, 1890) and C. interrogationis (Poujade, 1886) from Myanmar, as well as C. selangorica paeninsulana Černý, 2009 from northern Myanmar and Laos.

РЕЗЮМЕ. Приведены первые находки Cyana abrupta Volynkin et Černý, 2019, C. dudgeoni Hampson, 1895, C. harterti (Elwes, 1890) и C. interrogationis (Poujade, 1886) для фауны Мьянмы, а также C. selangorica paeninsulana Černý, 2009 для севера Мьянмы и Лаоса.

Introduction

According to previous works, the geographic distribution of Asian tropical tiger and lichen moths from Myanmar and Laos insufficiently studied [Spitsyn et. al., 2015, Spitsyn, Bolotov, 2018; Bucsek 2020]. In the present paper, we document new data on the geographic distribution of five species of Lithosiini (Erebidae: Arctiinae) in the genus Cyana Walker, 1854.

Material and Methods

The moth’s specimens were collected using ultraviolet lamp. The genitalia were dissected, mounted on temporary glass slides with 70% ethanol. The genitalia are kept in a micro-tube with glycerin pinned to the specimen. The images of the specimens were taken with a Canon EOS 7D camera (Canon Inc., Tokyo, Japan).

RESULTS

Family Erebidae Leach, 1815
Subfamily Arctiinae Leach, 1815
Tribe Lithosiini Billberg, 1820

Genus Cyana Walker, 1854
Cyana abrupta Volynkin et Černý, 2019

Fig. 1.

Material Examined. 1♂, 2♀♀ Myanmar, Rakhine State, mountain tropical forest, 17°35´08´´N, 94°39´50´´E, 02.12.2018, V. Spitsyn leg.; 1♂ Myanmar, Sagaing District, mountain tropical forest, 24°14´26´´N, 96°14´45´´E, h 334 m, 14.11.2018, Spitsyn leg.

DISTRIBUTION. Nepal [Kishida, 1994, as C. bianca Singh et al., 2020], North and North East India (Himachal Pradesh, Sikkim, Arunachal Pradesh, Assam, Meghalaya) [Kirti et al., 2013, as C. bianca Singh et al., 2020; Volynkin, Černý, 2019] and Myanmar (present study).

REMARKS. First record from Myanmar.

Genus Cyana Walker, 1854
Cyana dudgeoni Hampson, 1895

Fig. 2.

Material Examined. 1♂ Myanmar, Kachin State, Malaria village, Boundary between mountain rainforest and grass pastures, 27°34´12´´N, 97°22´18´´E, 14.03.2014, Bolotov, Spitsyn leg.

DISTRIBUTION. North East India (Sikkim, north of West Bengal, Assam, Meghalaya, Manipur, Nagaland, Mizoram, Arunachal Pradesh) [Hampson, 1900; Singh et al., 2014], Nepal, China, Thailand [Černý, Pinratana, 2009].

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**REMARKS.** First record from Myanmar.

*Cyana harterti* (Elwes, 1890)  
Fig. 3.

**MATERIAL EXAMINED.** 1♂ Myanmar, Kachin State, Malaria village, Dry monsoon forests with rhododendron wastelands, 27°34′26″N, 97°22′29″E, 15.03.2014, Bolotov, Spitsyn leg.

**DISTRIBUTION.** North East India (Assam, Meghalaya and Mizoram) [Singh et al., 2014], South and South East China (Hampson 1900), North Thailand [Černý, Pinratana, 2009 as *C. flavalba* (part); Singh et al., 2020] and Japan (Ryukyu, Okinawa and Iriomote islands) [Inoue, 1965] and Myanmar (present study).

**REMARKS.** First record from Myanmar.

*Cyana interrogationis* (Poujade, 1886)  
Fig. 4.

**MATERIAL EXAMINED.** 2♂, 1♀ Myanmar, Kachin State, Malaria village, Dry monsoon forests with rhododendron wastelands, 27°34′26″N, 97°22′29″E, 15.03.2014, Bolotov, Spitsyn leg.

**DISTRIBUTION.** China (Jiangsu, Zhejiang, Jiangxi, Hubei, Hunan, Fujian, Guangxi, Hainan, Sichuan, Guandong); Thailand; Vietnam [Fang, 2000; Dubatolov et al., 2012]; Laos [Bucsek, 2020] and Myanmar (present study).

**REMARKS.** First record from Myanmar.

*Cyana selangorica paeninsulana* Černý, 2009  
Fig. 5.

**MATERIAL EXAMINED.** 1♂ Myanmar, Kachin State, Malaria village, Dry monsoon forests with rhododendron wastelands, 27°34′26″N, 97°22′29″E, 15.03.2014, Bolotov, Spitsyn leg.; 1♂ Myanmar, Rakhine State, disturbed tropical forest, 18°37′17″N, 94°22′02″E, 05.12.2018, Spitsyn leg.; 1♂ Laos, Vientiane Province, Phatang village, mountain bamboo forest, 19°04′55″N, 102°26′11″E, 23–28.04.2016, V. Spitsyn leg.

**DISTRIBUTION.** North East India (Assam and Mizoram), Myanmar (Tenasserim, Rakhine, Kachin) [Singh et al., 2020; present study] and South Thailand (Provinces of Chumphon, Ranong and Nakhon Si Tammarat) [Černý, Pinratana, 2009] and Laos (present study).
REMARKS. First records from northern Myanmar and Laos. The nominate subspecies distributed in Sundaland: Sumatra, Malay Peninsula and Borneo [Holloway, 2001; Buscek, 2012].

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