

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: новые 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.

Studied specimens are deposited in the Russian Museum of Biodiversity Hotspots (RMBH), N. Laverov Federal Center for Integrated Arctic Research of the Ural Branch of the Russian Academy of Sciences, Arkhangelsk, Russia.

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.

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], Bangladesh [Volynkin et al., 2018 as *C. bianca* Singh et al., 2020; Volynkin, Černý, 2019] and Myanmar (present study).

REMARKS. First record from Myanmar.

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.

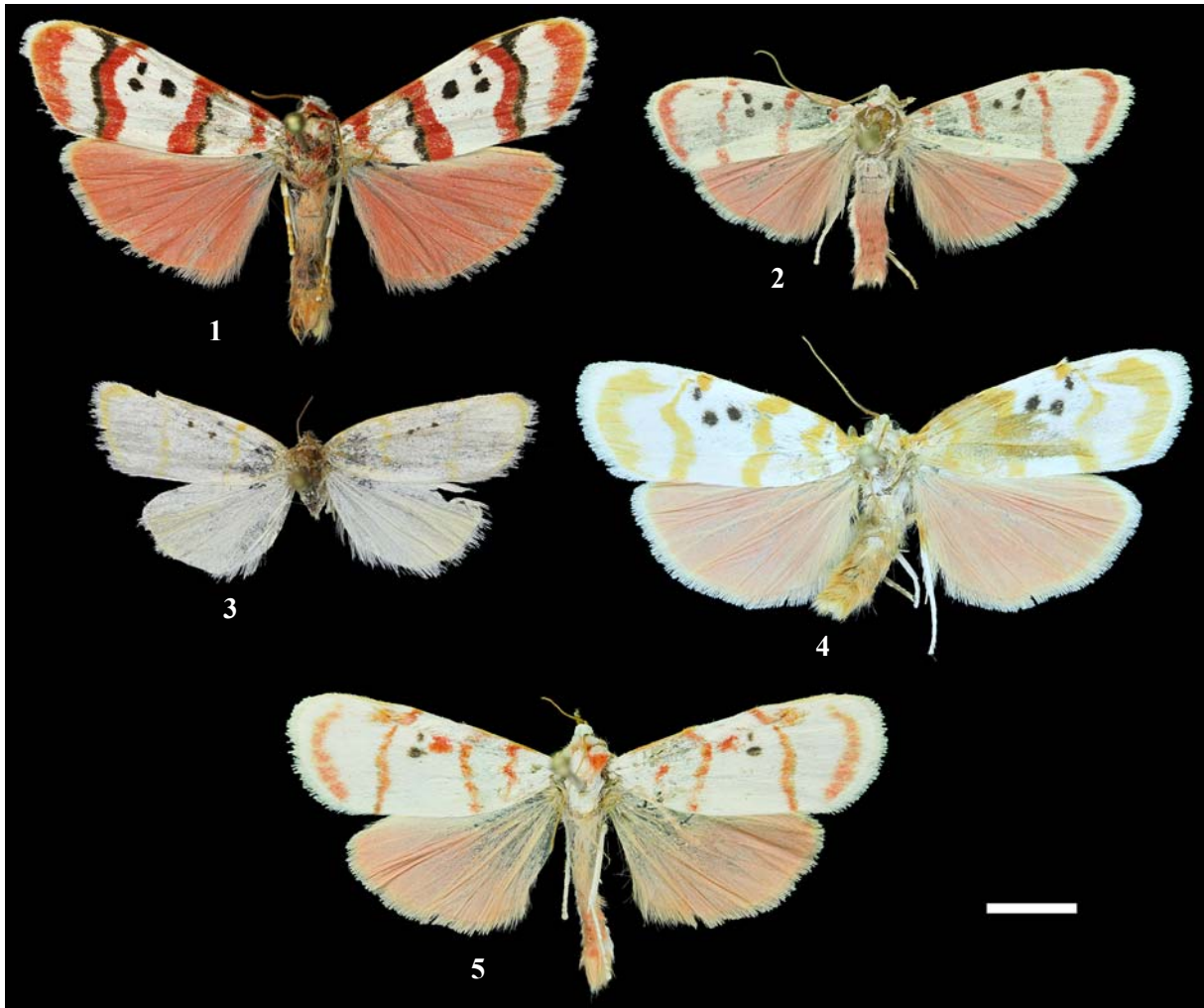
DISTRIBUTION. North East India (Sikkim, north of West Bengal, Assam, Meghalaya, Manipur, Nagaland, Mizoram, Arunachal Pradesh) [Hampson, 1900; Singh et al., 2014], Nepal, China, Thailand [Černý, Pinratana, 2009],

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).



Figs 1–5. *Cyana* spp. from Myanmar: 1 — *C. abrupta*; 2 — *C. dudgeoni*; 3 — *C. harterti*; 4 — *C. interrogationis*; 5 — *C. selangorica paeninsulana*. Scale bar: 5 mm.

Рис. 1–5. *Cyana* spp. из Мьянмы: 1 — *C. abrupta*; 2 — *C. dudgeoni*; 3 — *C. harterti*; 4 — *C. interrogationis*; 5 — *C. selangorica paeninsulana*. Масштаб: 5 мм.

Laos, Vietnam, Cambodia [Bayarsaikhan, Bae, 2016], Malay Peninsula [Bucsek, 2012, 2020] and Myanmar (present study).

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, Guangdong); 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, mountain tropical forest, 17°35'08"N, 94°39'50"E, 02.12.2018, V. Spitsyn leg.; 2♂ 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 Thammarat) [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; Bucsek, 2012].

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