

NEW DATA ON LEPIDOPTERA OF KURIL ISLANDS

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Summary. Four species, *Caligula jonasii* (Butler, 1877) (Saturniidae), *Phalerodonta manleyi* (Leech, 1889) (Notodontidae), *Daseochaeta viridis* (Leech, 1889), *Ctenoplusia ichinosei* (Dufay, 1965) (Noctuidae), are recorded from Russia for the first time. Distribution in Russia is confirmed for *Bombyx mandarina* (Moore, 1872) (Bombycidae). Eight species, *Thysanoplusia intermixta* (Warren, 1913), *Ctenoplusia albostrata* (Bremer et Grey, 1853), *Gortyna basalipunctata* (Graeser, 1889), *Dryobotodes pryeri* (Leech, 1900), *Macdunnoughia hybrida* (L.Ronkay, 1986) (Noctuidae), *Hypostrotia cinerea* (Butler, 1878), *Orgyia thyellina* (Butler, 1881) (Erebidae), and *Bombyx mandarina* (Moore, 1872) (Bombycidae) are new for the fauna of Kuril Islands, and *Cosmia restituta* (Walker, 1857) is new for Kunashir Island.

Key words: Lepidoptera, Saturniidae, Notodontidae, Erebidae, Bombycidae, Noctuidae, fauna, new records, Kunashir, Russia.

С. А. Рыбалкин. Новые данные о чешуекрылых насекомых (Lepidoptera) Курильских островов // Дальневосточный энтомолог. 2020. N 401. С. 18-24.

Резюме. Впервые для фауны России приводятся 4 вида: *Caligula jonasii* (Butler, 1877) (Saturniidae), *Phalerodonta manleyi* (Leech, 1889) (Notodontidae), *Daseochaeta viridis* (Leech, 1889) и *Ctenoplusia ichinosei* (Dufay, 1965) (Noctuidae). Подтверждается распространение на территории России *Bombyx mandarina* (Moore, 1872) (Bombycidae). Восемь видов: *Thysanoplusia intermixta* (Warren, 1913), *Ctenoplusia albostrata* (Bremer et Grey, 1853), *Gortyna basalipunctata* (Graeser, 1889), *Dryobotodes pryeri* (Leech, 1900), *Macdunnoughia hybrida* (L.Ronkay, 1986) (Noctuidae), *Hypostrotia cinerea* (Butler, 1878), *Orgyia thyellina* (Butler, 1881) (Erebidae) и *Bombyx mandarina* (Moore, 1872) (Bombycidae) – впервые отмечены для фауны Курильских островов, а *Cosmia restituta* (Walker, 1857) – для острова Кунашир.

INTRODUCTION

The fauna of Lepidoptera in the Russian Far East is studied insufficiently. In the recent years, significant additions have been made to the Lepidoptera fauna of Russia and Kuril islands (Chistyakov & Beljaev, 2016; Kononenko, 2016f, b; Rybalkin & Yakovlev, 2017; Rybalkin *et al.*, 2018, 2019). The present paper is based on the material collected by author in Kunashir Island in 2019. The specimens were collected on a light trap using a DRV-250 lamp. All the material is deposited in the private collection of S. Rybalkin.

NEW RECORDS

Family Saturniidae

Caligula jonasii (Butler, 1877)

Figs 1, 2

MATERIAL. Russia: Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 11–22.IX 2019, 12 ♂, 3 ♀, leg. S. Rybalkin.

DISTRIBUTION. S. Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima, Yakaushima), Taiwan (Kim *et al.*, 2015). Here this species is firstly recorded from Russia.

Family Notodontidae

Phalerodonta manleyi (Leech, 1889)

Figs 3, 4

MATERIAL. Russia: Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 11–22.IX 2019, 2 ♂, 1 ♀, leg. S. Rybalkin.

DISTRIBUTION. NE India, Vietnam, China (Shaanxi, Guangxi), Taiwan, Japan (Okinawa, Hokkaido, Honshu, Shikoku, Kyushu) (Schintlmeister, 2008). This species is recorded from Russia for the first time.

Family Noctuidae

Daseochaeta viridis (Leech, 1889)

Fig. 5

MATERIAL. Russia: Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 7–15.IX 2019, 10 ex., leg. S. Rybalkin.

DISTRIBUTION. Japan (Hokkaido, Honshu, Shikoku, Kyushu, Yakaushima). Here this species is recorded from Russia for the first time.

Ctenoplusia ichinosei (Dufay, 1965)

Fig. 6

MATERIAL. Russia: Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 9.IX 2019, 2 ex., leg. S. Rybalkin.

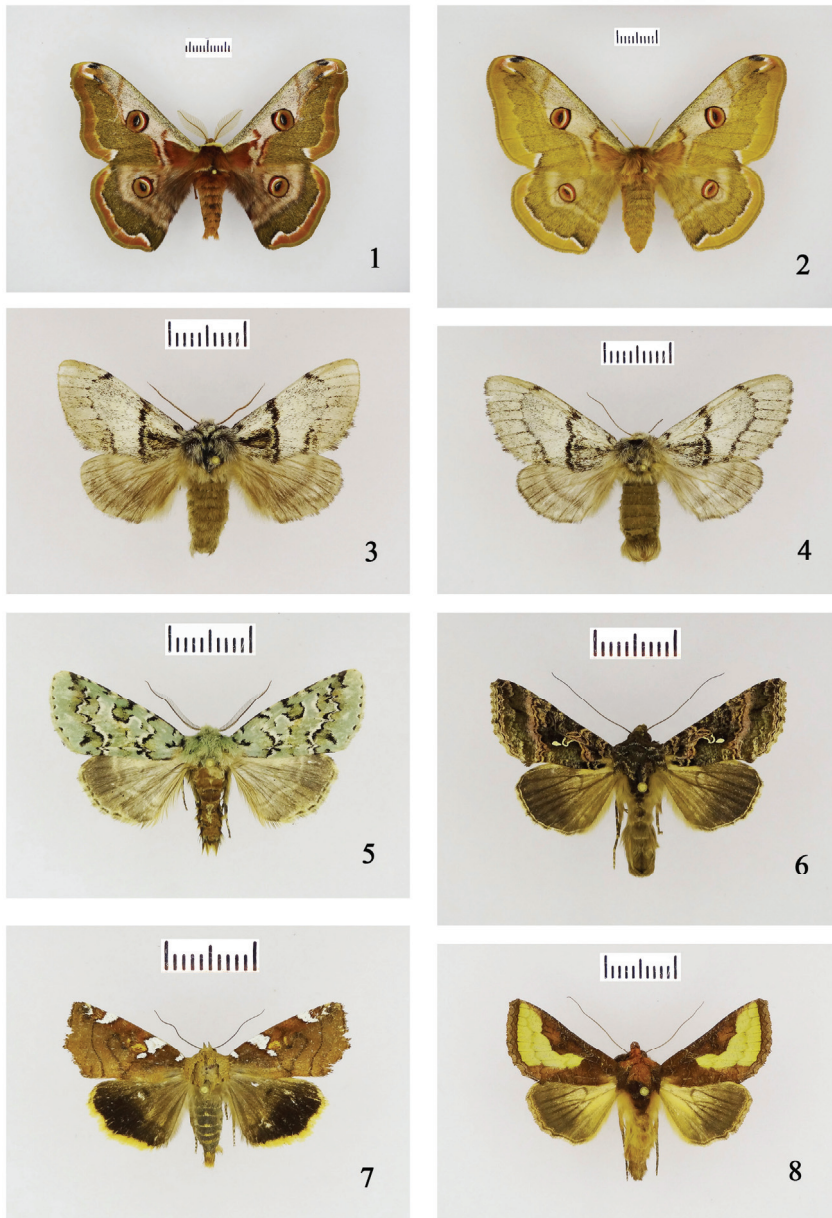
DISTRIBUTION. Korea (Cheju-Is), Japan (Honshu, Shikoku, Kyushu, Tsushima, Izu-Is, Yakushima, Amamioshima, Ishigakijima). Here it is firstly recorded from Russia.

Cosmia restituta (Walker, 1857)

Fig. 7

MATERIAL. Russia: Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 2–7.IX 2019, 4 ex., leg. S. Rybalkin.

DISTRIBUTION. Russia (Primorskii krai, Khabarovskii krai, Sakhalin, Shikotan Island), Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu), China, Taiwan (Kononenko, 2016a). Here this species is firstly recorded from Kunashir Islands.



Figs 1–8. Imago of Lepidoptera from Kunashir Island. 1 – *Caligula jonasii* (Butler, 1877), ♂; 2 – *Caligula jonasii* (Butler, 1877), ♀; 3 – *Phalerodonta manleyi* (Leech, 1889), ♂; 4 – *Phalerodonta manleyi* (Leech, 1889), ♀; 5 – *Daseochaeta viridis* (Leech, 1889), ♂; 6 – *Ctenoplusia ichinosei* (Dufay, 1965), ♂; 7 – *Cosmia restituta* (Walker, 1857), ♂; 8 – *Thysanoplusia intermixta* (Warren, 1913), ♂.

***Thysanoplusia intermixta* (Warren, 1913)**

Fig. 8

MATERIAL. **Russia:** Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 8.IX 2019, 1 ex., leg. S. Rybalkin.

DISTRIBUTION. Russia (Primorskii krai), Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu), China, Taiwan, India, SE Asia, Sri Lanka, Canary Islands (Kononenko, 2016a). Here this species is firstly recorded from Kuril Islands.

***Ctenoplusia albostrigata* (Bremer et Grey, 1853)**

Fig. 9

MATERIAL. **Russia:** Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 9.IX 2019, 2 ex., leg. S. Rybalkin.

DISTRIBUTION. Russia (Sakhalin, Primorskii krai), Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu), China, Taiwan, SE Asia, Sri Lanka, India, Indonesia, Australia, Fiji Islands (Kononenko, 2016a). Here this species is firstly recorded from Kuril Islands.

***Gortyna basalipunctata* (Graeser, 1889)**

Fig. 10

MATERIAL. **Russia:** Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 3–14.IX 2019, 4 ex., leg. S. Rybalkin.

DISTRIBUTION. Russia (Khabarovskii krai, Sakhalin, Primorskii krai), Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu), China (Kononenko, 2016a). Here it is firstly recorded from Kuril Islands.

***Dryobotodes pryeri* (Leech, 1900)**

Fig. 11

MATERIAL. **Russia:** Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 1–8.IX 2019, 2 ex., leg. S. Rybalkin.

DISTRIBUTION. Russia (Khabarovskii krai, Primorskii krai), Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu), China (Kononenko, 2016a). Here this species is firstly recorded from Kuril Islands.

***Macdunnoughia hybrida* (L.Ronkay, 1986)**

Fig. 12

MATERIAL. **Russia:** Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 9–15.IX 2019, 3 ex., leg. S. Rybalkin.

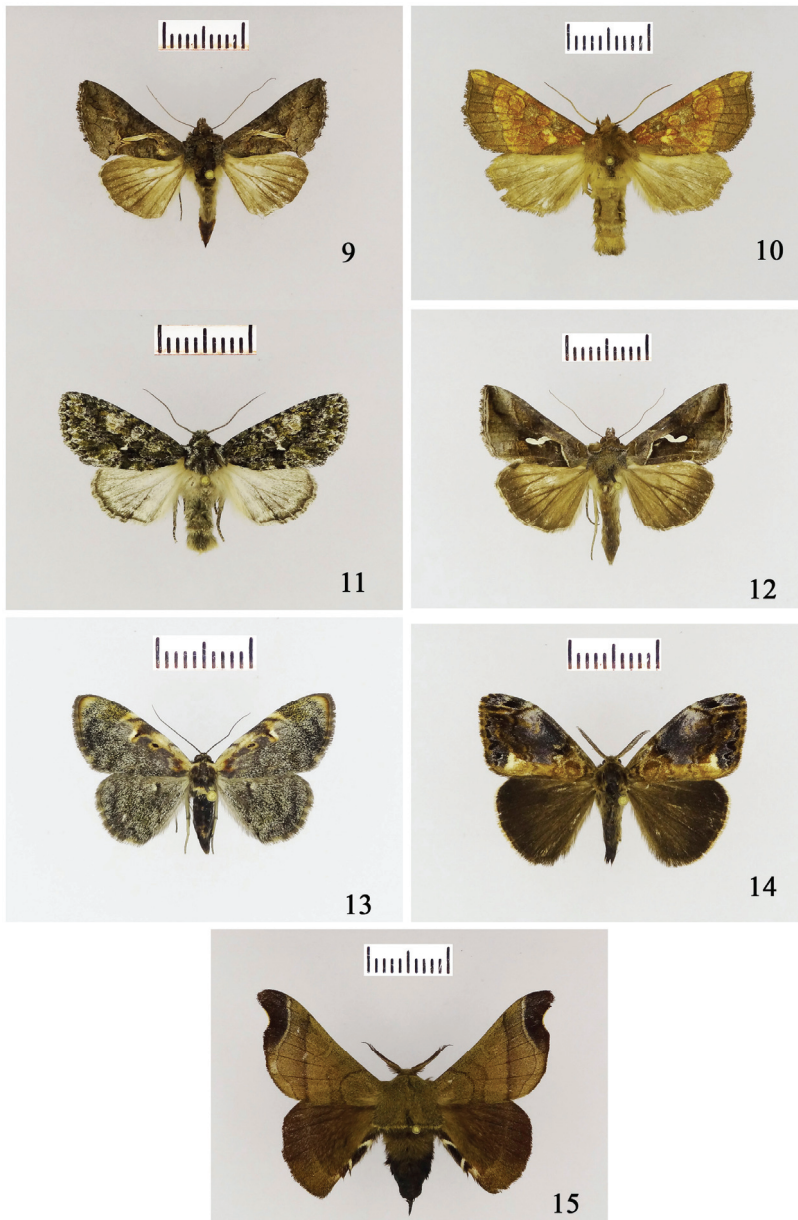
DISTRIBUTION. Russia (Khabarovskii krai, Primorskii krai), Korea, NE China (Kononenko, 2016a). Here this species is firstly recorded from Kuril Islands.

Family Erebidae

***Hypostrotia cinerea* (Butler, 1878)**

Fig. 13

MATERIAL. **Russia:** Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 13.IX 2019, 1 ex., leg. S. Rybalkin.



Figs 9–15. Imago of Lepidoptera from Kunashir Island. 9 – *Ctenoplusia albostrigata* (Bremer et Grey, 1853), ♂; 10 – *Gortyna basalipunctata* (Graeser, 1889), ♂; 11 – *Dryobotodes pryeri* (Leech, 1900), ♂; 12 – *Macdunnoughia hybrida* (L.Ronkay, 1986), ♂; 13 – *Hypostrotia cinerea* (Butler, 1878), ♂; 14 – *Orgyia thyellina* (Butler, 1881), ♂; 15 – *Bombyx mandarina* (Moore, 1872), ♂.

DISTRIBUTION. Russia (Khabarovskii krai, Primorskii krai) Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu), China (Kononenko, 2016b), Here this species is firstly recorded from Kuril Islands.

***Orgyia thyellina* (Butler, 1881)**

Fig. 14

MATERIAL. **Russia:** Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 6–17.IX 2019, 7 ex., leg. S. Rybalkin.

DISTRIBUTION. Russia (Sakhalin) (Vertyanin, 2012; Titova, 2018), Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu), Taiwan, China. Here this species is firstly recorded from Kuril Islands.

Family Bombycidae

***Bombyx mandarina* (Moore, 1872)**

Fig. 15

MATERIAL. **Russia:** Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo village, 4. IX–22.IX 2019, 14 ♂, leg. S. Rybalkin.

DISTRIBUTION. Russia (?Primorskii krai), Japan, Korea, NE China (Chistyakov & Beljaev, 2016). Distribution of this species in Russia is confirmed. Here this species is firstly recorded from Kuril Islands.

ACKNOWLEDGEMENTS

I thank Mr. Eduard Godun and Mr. Viktor Ignat (Yuzhno-Kurilsk, Russia) for their assistance in field research in Kunashir Island. I thank Mr. Balázs Benedek (Törökbálint, Hungary) for helping to determine *Hypostrotia cinerea*, *Macdunnoughia hybrida* and *Dryobotodes pryeri*.

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