

<https://doi.org/10.25221/fee.346.2>

<http://urn:lsid:zoobank.org:pub:55C92B17-D547-4BAD-9C8F-D0B4CC45C026>

NEW FOR THE FAUNA OF KURIL ISLANDS LEPIDOPTERA

S. A. Rybalkin¹⁾, R. V. Yakovlev^{2,3*)}

1) Mira pr. 21–82, Snezhinsk, Chelyabinsk region, 456776, Russia.

2) Altai State University, Lenina 61, Barnaul 656049, Russia.

3) Laboratory of Biodiversity and Ecology, Tomsk State University, Lenina pr. 36, Tomsk 634050, Russia. *Corresponding author, E-mail: yakovlev_asu@mail.ru

Summary. *Zaranga permagna* Butler, 1881 (Notodontidae) is recorded from Russia for the first time. Six species collected in Kunashir Island, namely *Pieris brassicae* (Linnaeus, 1758) (Pieridae), *Ellida arcuata* Alphéraky, 1897 (Notodontidae), *Acronycta hercules* Felder et Rogenhofer, 1874 (Noctuidae), *Deilephila askoldensis* (Oberthür, 1879), *Acosmeryx naga* (Moore, 1858) and *Dolbina exacta* Staudinger, 1892 (Sphingidae), are new for the fauna of Kuril Islands.

Key words: Lepidoptera, Pieridae, Notodontidae, Noctuidae, Sphingidae, fauna, new record, Kunashir Island, Russia.

С. А. Рыбалкин, Р. В. Яковлев. Новые для фауны Курильских островов чешуекрылые (Lepidoptera) // Дальневосточный энтомолог. 2017. № 346. С. 13-16.

Резюме. *Zaranga permagna* Butler, 1881 (Notodontidae) впервые указывается для фауны России. Найденные на Кунашире *Pieris brassicae* (Linnaeus, 1758) (Pieridae), *Ellida arcuata* Alphéraky, 1897 (Notodontidae), *Acronycta hercules* Felder et Rogenhofer, 1874 (Noctuidae), *Deilephila askoldensis* (Oberthür, 1879), *Acosmeryx naga* (Moore, 1858) и *Dolbina exacta* Staudinger, 1892 (Sphingidae) впервые приводятся для Курил.

Present paper is based on material collected by first author in Kunashir Island in 2017. The specimens were collected on a light trap using a DRV-250 lamp. All material is deposited in the private collection of S. Rybalkin.

NEW RECORDS

Family Pieridae

Pieris brassicae (Linnaeus, 1758)

Fig. 1

MATERIAL. Russia: Kunashir Island, 4.5 km NW Mendeleev airport, Tretyakovo vill., 17.VII–12.VIII 2017, 12 ♂, 10 ♀, leg. S. Rybalkin.

DISTRIBUTION. This widely distributed in Palaearctic region species is recorded here from Kurils for the first time.

Family Notodontidae

Zaranga permagna Butler, 1881

Fig. 2

MATERIAL. Russia: Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo vill., 7.VII 2017, 1 ♂, leg. S. Rybalkin

DISTRIBUTION. Japan (Hokkaido, Honshu, Shikoku, Kyushu, and Tsushima) (Schintlmeister, 2008). Here it is firstly recorded from Russia.

Ellida arcuata Alphéraky, 1897

Fig. 3

MATERIAL. Russia: Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo vill., 11.VII 2017, 1 ♂, leg. S. Rybalkin.

DISTRIBUTION. Russia (Khabarovskii krai, Primorskii krai), Japan, Korea, North-East China, Taiwan (Anikin *et al.*, 2016). This species is recorded here from Kuril Islands for the first time.

Family Noctuidae

Acronycta hercules Felder et Rogenhofer, 1874

Fig. 4

MATERIAL. Russia: Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo vill., 10.VII 2017, 2 ♂, leg. S. Rybalkin.

DISTRIBUTION. Russia (Amurskaya oblast, Khabarovskii krai, Primorskii krai), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Korea, China, Taiwan (Anikin *et al.*, 2016). This species is new for Kuril Islands.

Family Sphingidae

Deilephila askoldensis (Oberthür, 1879)

Fig. 5

MATERIAL. Russia: Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo vill., 9.VII 2017, 1 ♂, leg. S. Rybalkin.

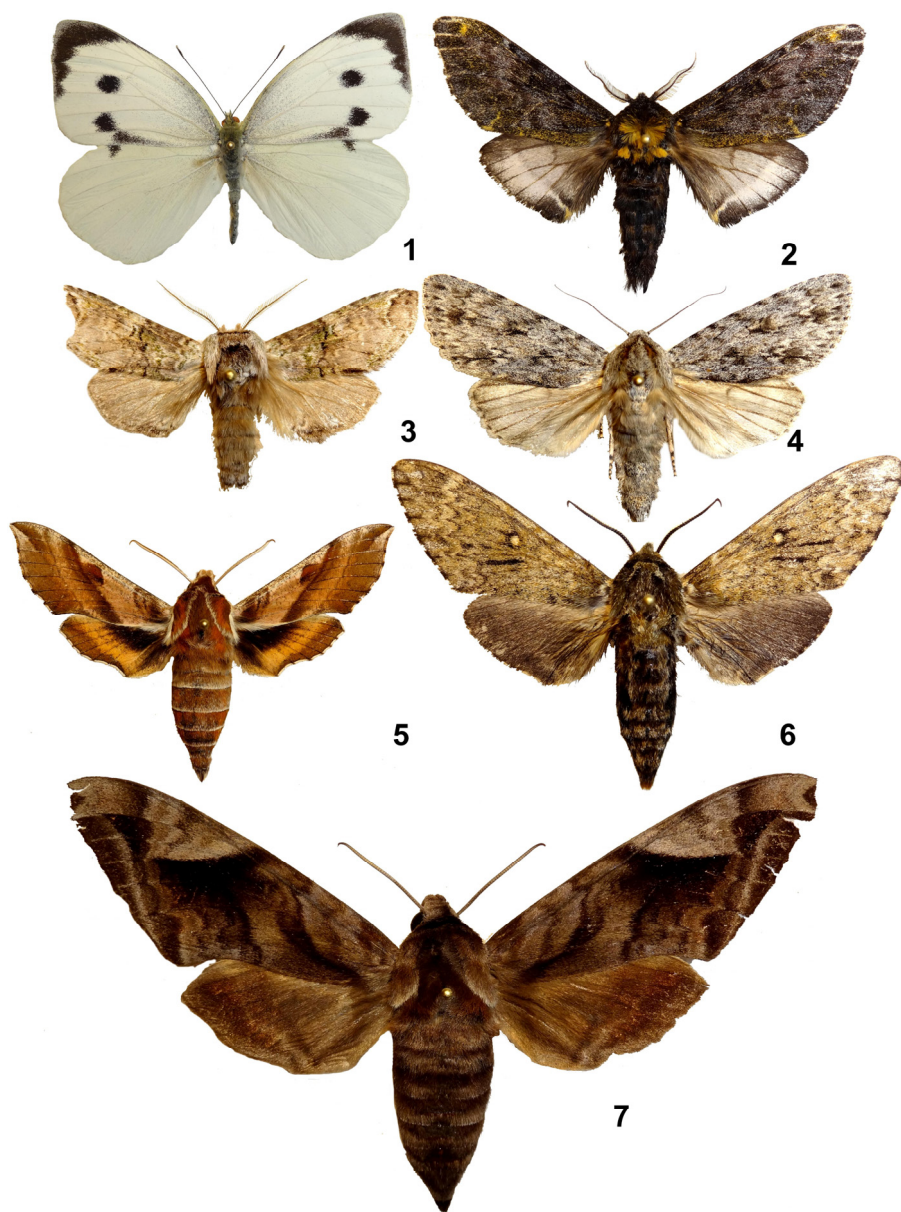
DISTRIBUTION. Russia (Zabaikalskii krai, Amurskaya oblast, Jewish autonomous oblast, Khabarovskii krai, Primorskii krai), North China, Korea, Japan (Anikin *et al.*, 2016). Here it is firstly recorded from Kuril Islands.

Dolbina exacta Staudinger, 1892

Fig. 6

MATERIAL. Russia: Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo vill., 8–19.VII 2017, 2 ♂, leg. S. Rybalkin.

DISTRIBUTION. Russia (Khabarovskii krai, Primorskii krai), North China, Korea, Japan (Anikin *et al.*, 2016). This species is recorded here from Kuril Islands for the first time.



Figs. 1–7. Imago of Lepidoptera from Tretyakovo (Kunashir). 1 – *Pieris brassicae*, ♂; 2 – *Zaranga permagna*, ♂; 3 – *Ellida arcuata*, ♂; 4 – *Acronycta hercules*, ♂; 5 – *Deilephila askoldensis*, ♂; 6 – *Dolbina exacta*, ♂; 7 – *Acosmeryx naga*, ♂.

***Acosmeryx naga* (Moore, 1858)**

Fig. 7

MATERIAL. **Russia:** Kunashir Island, 4.5 km NW Mendeleevo airport, Tretyakovo vill., 6–20.VII 2017, 20 ♂, leg. S. Rybalkin.

DISTRIBUTION. Widespread Asian subtropical species. Previously it was known in Russia from Promorskii krai only (Beljaev, 2003; Anikin *et al.*, 2016). Here it is firstly recorded from Kuril Islands.

ACKNOWLEDGEMENTS

We thank Mr. Eduard Godun (Yuzhno-Sakhalinsk, Russia) for his assistance in field research in Kunashir Island.

REFERENCES

- Anikin, V.V., Baryshnikova, S.V., Beljaev, E.A., Dubatolov, V.V., Efetov, K.A., Zolotuhin, V.V., Kovtunovich, V.N., Kozlov, M.V., Kononenko, V.S., Lvovsky, A.L., Nedoshivina, S.V., Ponomarenko, M.G., Sinev, S.Y., Streltsov, A.N., Ustjuzhanin, P. Y., Chistyakov, Y.A. & Yakovlev, R.V. 2016. *Annotated catalogue of the insects of Russian Far East. Volume II. Lepidoptera.* Dalnauka, Vladivostok. 812 pp. [In Russian]
- Beljaev, E.A. 2003. *Acosmeryx naga* Moore (Lepidoptera, Sphingidae) – new species of Hawk Moths for the fauna of Russia. *Far Eastern Entomologist*, 131: 6–8.
- Schintlmeister, A. 2008. *Palaeartic Macrolepidoptera. Vol. 1. Notodontidae.* Apollo-Book, Stenstrup. 482 pp.