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NEW DATA ON LEPIDOPTERA OF WEST SIBERIAN PLAIN, RUSSIA

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Summary. A list of 32 species of Lepidoptera from the south part of West Siberian Plain is given. Twenty-five species are reported from the territory of the Omsk Province for the first time, six species are new to the Novosibirsk Province. Eight species are new to the Russian part of the West Siberian Plain. *Bucculatrix cristatella* (Zeller, 1839) is reported as new for the Asian part of Russia.

Key words: Lepidoptera, fauna, new records, Omsk Province, Novosibirsk Province, Siberia, Asia.

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Резюме. Приведен список 32 видов чешуекрылых с юга Западно-Сибирской равнины. Из них 25 видов указываются впервые для Омской области, 6 видов впервые найдены в Новосибирской области. Впервые для российской части Западно-Сибирской равнины приводятся 8 видов. *Bucculatrix cristatella* (Zeller, 1839) впервые указывается для азиатской части России.

INTRODUCTION

The fauna of Lepidoptera of the south part of West Siberian Plain is studied intensively. A series of publications on the fauna of Omsk and Novosibirsk Provinces has been published recently (Knyazev, 2009; Knyazev *et al.*, 2010a,b,c, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018; Lvovsky & Knyazev, 2012; Vasilenko & Ivonin, 2012; Ustjuzhanin & Kovtunovich, 2012; Dubatolov, 2013; Knyazev & Ustjuzhanin, 2013; Ivonin *et al.*, 2013; Knyazev & Mironov, 2015). During 2018 field season we collected moths in the northern, remote areas of Omsk and Novosibirsk Provinces, also as in the southern steppe regions and in the

east of the latter province, on the Salair Ridge and Bugotak Hills. As a result, a number of the Lepidoptera species new for the reviewed territories were found. The list of new records with short remarks is published below.

All specimens were collected by standard method by butterfly net or by using mercury lamps 250W and deposited in collections of Svyatoslav Knyazev (SKO, Omsk, Russia), Vadim Ivonin (VIN, Novosibirsk, Russia), Petr Ustjuzhanin (PUN, Novosibirsk, Russia), Institute of Systematics and Ecology of Animals (ISEA, Novosibirsk, Russia) and Zoological Institute RAS (ZISP, St. Petersburg, Russia).

LIST OF SPECIES

Family Hepialidae

Gazoryctra ganna (Hübner, [1808])

Fig. 1

MATERIAL EXAMINED. **Novosibirsk Province**: Maslyaninsky district, forest between Suyenga and Poldnevaya rivers, 54°33'48" N, 84°51'43"E, 25.VIII 2018, 2♀, V.V. Ivonin (VIN).

REMARK. New to the West Siberian Plain and to the Novosibirsk Province. The nearest known localities of this species are in Northern Ural Mountains and Altai Mountains (Sinev, 2008; Huemer *et al.*, 2017).

Family Bucculatricidae

Bucculatrix cristatella (Zeller, 1839)

MATERIAL EXAMINED. **Omsk Province**: Russko-Polyansky district, 2 km SE of Buzan vill., 53°55'35"N, 73°57'34"E, at light, 11–12.VI 2018, 1♂, S.A. Knyazev (SKO).

REMARK. New to the Asian part of Russia. The single specimen was collected in the steppe zone on the south of Omsk Province. Previously it was not known to the east of the Volga Region in the European part of Russia (Sinev, 2008).

Family Gracillariidae

Sauterina hofmanniella (Schleich, 1867)

MATERIAL EXAMINED. **Omsk Province**: Muromtsevsky district, 1 km W of Petropavlovka vill., 56°24'13"N, 75°15'48"E, at light, 14.VI 2018, 2 specimens, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province. Specimens were collected in the mixed forest on the border of the forest and forest-steppe zones.

Family Depressariidae

Agonopterix alstromeriana (Clerck, 1759)

Fig. 2

MATERIAL EXAMINED. **Omsk Province**: Ust-Ishim district, 0,5 km SW of Ust-Ishim vill., 57°40'45"N, 71°08'43"E, at light, 26–27.IX 2018, 1 specimen, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province and southwest Siberian region. The specimen was collected in the forest zone on the northwest of Omsk Province.

Family Oecophoridae

Pleurota aorsella Christoph, 1872

MATERIAL EXAMINED. **Omsk Province:** Russko-Polyansky district, 2 km SE of Buzan vill., 53°55'35"N, 73°57'34"E, in twilight and at light, 11–12.VI 2018, 9 specimens, S.A. Knyazev (SKO, ZISP).

REMARK. New to the Omsk Province. Specimens were collected in the steppe zone.

Family Pterophoridae

Platyptilia farfarellus Zeller, 1867

MATERIAL EXAMINED. **Omsk Province:** Krutinsky distr., 44 km NW Krutinka vill., 5 km SW Gulyai Pole vill., 56°13'30.08"N, 70°53'44.58"E, 27–28.VIII 2013, 1♀, S.A. Knyazev (PUN).

REMARK. New to the Omsk Province. Specimens were collected on the sphagnum swamp with *Pinus*, *Betula*, *Ledum*, at the western part of the Omsk Province. In West Siberia this species was reported from the Kurgan, Tymen and Novosibirsk Provinces (Ustjuzhanin, 1998).

Paraplatyptilia metzneri (Zeller, 1841)

MATERIAL EXAMINED. **Omsk Province:** Cherlacksky district, 20 km E of Cherlack, 6 km SE Nikolaevka vill., near Ulzhai Lake, 54°13'48"N, 75°6'51"E, steppe, 10–11.VIII 2012, 2♂, S.A. Knyazev (SKO, PUN); Cherlacksky district, 8 km SE of Nikolaevka vill., 54°12'16"N, 75°7'55"E, Birch forest, at light, 21–22.VI 2018, 1♀, S.A. Knyazev (SKO); Cherlacksky district, 10 km SE of Preobrazhenka vill., Sholacksor Lake, 54°16'21"N, 75°14'42"E, 16–17.VI 2014, 1♂, S.A. Knyazev (SKO); Moskalensky district, 6 km W of Gvozdevka vill., Ebeity Lake, 54°35'28"N, 71°47'5"E, at light, 22–23.VIII.2014, 4.IX 2018, 10 specimens, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province. The species is not too rare on the south of the Omsk Province, in the steppe zone. In West Siberia this species was known from the Novosibirsk Province (Ustjuzhanin & Kovtunovich, 2012).

Stenoptilia bipunctidactyla (Scopoli, 1763)

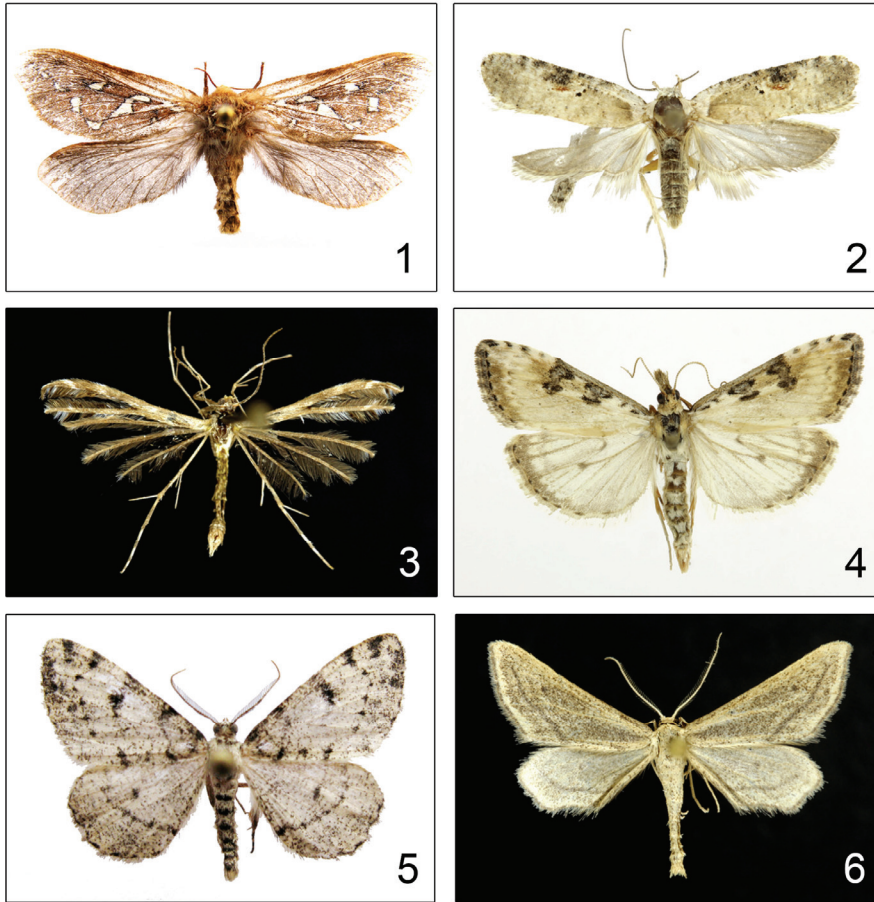
MATERIAL EXAMINED. **Omsk Province:** Krutinsky distr., 44 km NW Krutinka vill., 5 km SW Gulyai Pole vill., 56°13'30"N, 70°53'44"E, 14–15.VI 2013, 13–14.VII 2013, 26–27.VII 2013, 27–28.VIII 2013, 5♂, 2♀, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province. The specimens were collected on the sphagnum swamp with *Pinus*, *Betula*, *Ledum*, at the western part of the Omsk Province. In West Siberia this species was reported from the Kurgan and Novosibirsk Provinces (Ustjuzhanin, 1998).

Stenoptilia eborinodactyla Zagulajev, 1986

MATERIAL EXAMINED. **Omsk Province:** Cherlacksky district, 2 km N of Malyi Atlas vill., 54°00'57"N, 74°56'36"E, at light, 24–25.VI 2014, 1♀, S.A. Knyazev (PUN); Cherlack district, 3,5 km SSW of Bolshoi Atlas vill., 54°1'44"N, 74°54'37"E, at light, 18–19.VIII 2018, 1♂, S.A. Knyazev (PUN); Russko-Polyansky district, 2 km SE of Buzan vill., 53°55'35"N, 73°57'34"E, at light, 9–10.VII 2018, 1♂, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province. All specimens were collected on the south of the Omsk Province in steppe habitats.



Figs 1–6. Adults, dorsal view. 1 – *Gazoryctra ganna* from Maslyaninsky district; 2 – *Agonopterix alstromeriana* from Ust-Ishim; 3 – *Buckleria paludum* from Ust-Ishim; 4 – *Udea costalis* from Keizes; 5 – *Alcis jubatus* from Ust-Toya; 6 – *Limeria macraria* from Buzan.

***Buckleria paludum* (Zeller, 1839)**

Fig. 3

MATERIAL EXAMINED. Omsk Province: Ust-Ishim district, 5,5 km NW of Ust-Ishim vill., Ashair bog, 57°43'01"N, 71°03'58"E, in twilight, 16–17.VII 2018, 2♂, S.A. Knyazev (SKO, PUN).

REMARK. New to the Omsk Province. This is the second record of the species from the territory of the West Siberian Plain where it was found in Tomsk Province (Sinev, 2008). Specimens were collected on the sphagnum swamp on the northwest of the Omsk Province.

***Cnaemidophorus rhododactyla* ([Denis et Schuffermuller], 1775)**

MATERIAL EXAMINED. Omsk Province: Sedelnikovo district, 8,5 km W of Keizes vill., Stanovaya River, 56°55'13"N, 75°34'40"E, at light, 20–21.VII 2018, 3♂, S.A. Knyazev

(SKO); Kalatshinsk district, 1,5 km N of Krutyie Luki vill., 55°9'39"N, 74°52'57"E, 20.VI 2018, 1♀, S.A. Knyazev (SKO); **Omsk City**: Prospekt Mira 185/2, 55°02'10"N, 73°11'56"E, 28.VII 2018, at light, 1♂, S.A. Knyazev (SKO); **Novosibirsk Province**: Kolyvansky district, Ust-Toya vill., at light, 16.VII 2018, 2♂, V.V. Ivonin (PUN); Zdvinsky district, Chanovsky Reserve, at light, 19.VII 2018, 54°35'N, 78°10'E, 1♀, P.Ya. Ustjuzhanin, S. Mishenin (PUN).

REMARK. New to the Novosibirsk Province. In the West Siberian Plain this species was reported by the single specimen from the Omsk Province (Knyazev *et al.*, 2017). Now we have a short series from different localities in the forest and forest-steppe zones of of the Plain.

***Hellinsia tephradactyla* (Hübner, [1813])**

MATERIAL EXAMINED. **Omsk Province**: Tarsky district, 9 km N of Tara, 4 km N of Samsonovo vill., 57°0'47"N, 74°19'49"E, at light, 20–21.VII 2013, 2♂, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province. The specimens were collected in mixed forest on the north of the Omsk Province. Earlier in the West Siberia this species was known from the Kurgan, Novosibirsk and Kemerovo Provinces (Ustjuzhanin, 1998).

Family Crambidae

***Gymnancylla canella* ([Denis et Schiffermüller], 1775)**

MATERIAL EXAMINED. **Omsk Province**: Russko-Polyansky district, 2 km SE of Buzan vill., 53°55'35"N, 73°57'34"E, at light, 7–8.VIII 2018, 1♀, S.A. Knyazev (SKO); Cherlack district, Cherlack vill., at light, 29.VII 2017, 1♂, A.A. Salnik (SKO); **Novosibirsk Province**: Novosibirsk City, Obges, 54°50' N, 82°57' E, 12.VII 1988, 1♂, P.Ya. Ustjuzhanin (PUN).

REMARK. New to the Omsk and Novosibirsk Provinces. All specimens were collected in the steppe and forest-steppe zones.

***Udea costalis* (Eversmann, 1852)**

Fig. 4

MATERIAL EXAMINED. **Omsk Province**: Sedelnikovo district, 8,5 km W of Keizes vill., Stanovaya River, 56°55'13,58"N, 75°34'40,31"E, at light, 20–21.VII.2018, 1♂, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province. The single specimen collected in the taiga zone on the north of the Omsk Province.

Family Geometridae

***Alcis jubata* (Thunberg, 1788)**

Fig. 5

MATERIAL EXAMINED. **Novosibirsk Province**: Kolyvansky district, Ust-Toya vill., 54°33'13"N, 84°51'33"E, at light, 16.VII 2018, 3♂, V.V. Ivonin (VIN).

REMARK. New to the West Siberian Plain and to the Novosibirsk Province. The species is widely distributed from Europe to Japan. The nearest known localities are on Urals, and Altai and Sayans (Beljaev, 2016).

***Erannis jacobsoni* (Djakonov, 1926)**

MATERIAL EXAMINED. **Novosibirsk Province:** Novosibirsk City, Akademgorodok, Botanical garden, 19.XI 1993, 1♂, A. Duduko (ISEA).

REMARK. New to the Novosibirsk Province. On the territory of the West Siberia this species was reported from the Altai territory. Main distribution of this species in Russia from Western Siberia, Altai and Sayans eastwards to the Russian Far East (Beljaev, 2016).

***Limeria macraria* Staudinger, 1892**

Fig. 6

MATERIAL EXAMINED. **Omsk Province:** Russko-Polyansky district, 2 km SE of Buzan vill., 53°55'35"N, 73°57'34"E, at light, 7–8.VIII 2018, 1♂, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province. On the territory of the West Siberian Plain this species was early reported from the Altai territory by the single specimen.

***Heterothera taigana* (Djakonov, 1926)**

Fig. 7

MATERIAL EXAMINED. **Omsk Province:** Ust-Ishimsky district, 5,5 km NW of Ust-Ishim vill., Ashair bog, 57°43'01"N, 71°03'58"E, at light, 2♀, 16–17.VII 2018, S.A. Knyazev (SKO); **Novosibirsk Province:** Kolyvansky district, Ust-Toya vill., 54°33'13"N, 84°51'33"E, at light, 16.VII 2018, 3♂, 3♀, V.V. Ivonin (VIN, ISEA).

REMARK. New to the West Siberian Plain and to the Omsk and Novosibirsk Provinces. The nearest known localities are in Northern Urals, Altai and Sayans (Beljaev, 2016). All specimens were collected in the taiga zone with a predominance of *Pinus sibirica* – probably, main caterpillar host plant of the species in Siberia (Beljaev, 2016).

***Eupithecia lanceata* (Hübner, [1825])**

Fig. 8

MATERIAL EXAMINED. **Omsk Province:** Sedelnikovskiy district, 8,5 km W of Keizes vill., Stanovaya River, 56°55'14"N, 75°34'40"E, at light, 6-7.VI 2018, 1♂, S.A. Knyazev (SKO).

REMARK. New to the West Siberian Plain and to the Omsk Province. In Russia this species distributed in European Part, Altai and Sayans, eastern to Baikal Lake and Amur River (Beljaev, 2016). Specimens were collected in the forest zone with different Pinaceae (*Picea*, *Abies*, *Larix*, *Pinus*). This early spring species was collected on the north of the Omsk Province in the beginning of June due to the long cool spring 2018.

Family Erebidae

***Calliteara abietis* ([Denis et Schiffermüller], 1775)**

Fig. 9

MATERIAL EXAMINED. **Omsk Province:** Sedelnikovskiy district, 8,5 km W of Keizes vill., Stanovaya River, 56°55'14"N, 75°34'40"E, at light, 20–21.VII 2018, 1♂, S.A. Knyazev (SKO); **Novosibirsk Province:** Maslyaninsky district, Poldnevaya River valley, 54°33'13"N, 84°51'33"E, at light, 18.VII 2018, 5♂, V.V. Ivonin (VIN).

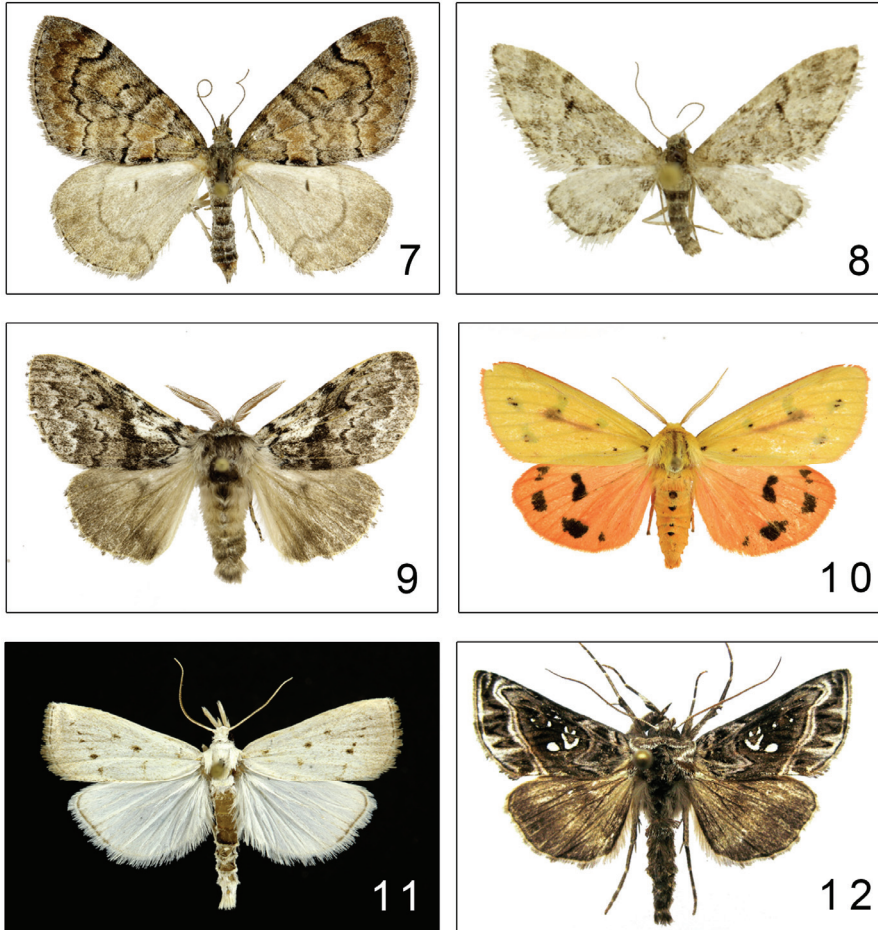
REMARK. New to the Omsk Province. This species was recorded from Novosibirsk Province but without collecting data (Trofimova *et al.*, 2016). All specimens were collected in the forest zone with different Pinaceae.

Rhyparioides metelkana (Lederer, 1861)

Fig. 10

MATERIAL EXAMINED. **Omsk Province:** Omsk City, Lukashevitcha street, at light, 55°00'42"N, 73°16'34"E, 11–12.VII 2018, 1♂, V.V. Rogalyov (SKO).

REMARK. New to the Omsk Province. In the West Siberia the species was known from vicinity of Karasuk in Novosibirsk.



Figs. 7–12. Adults, dorsal view. 7 – *Heterothera taigana* from Ust-Ishim; 8 – *Eupithecia lanceata* from Keizes; 9 – *Calliteara abietis* from Keizes; 10 – *Rhyparioides metelkana* from Omsk; 11 – *Macrochilo cribrumalis* from Ust-Ishim; 12 – *Panchrysia ornata* from Semyonovsky.

***Macrochilo cribrumalis* (Hübner, 1793)**

Fig. 11

MATERIAL EXAMINED. Omsk Province: Ust-Ishimsky district, 5,5 km NW of Ust-Ishim vill., Ashair bog, 57°43'01"N, 71°03'58"E, at light, 16–17.VII 2018, 1♂, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province. In the West Siberia the species was known from Kurgan, Novosibirsk and Tomsk Provinces (Zolotarenko & Dubatolov, 2000). The single specimen was collected on the sphagnum swamp on the northwest of the Omsk Province.

Family Noctuidae

***Panchrysia ornata* (Bremer, 1864)**

Fig. 12

MATERIAL EXAMINED. Novosibirsk Province: Togutshinsky district, Bugotak uplands, southern slope of a hill near vill. Semyonovsky, 55°03'37"N, 83°52'14"E, at light, 4.VIII 2018, 2♂, V.V. Ivonin (VIN).

REMARK. New to Novosibirsk Province. On the territory of the West Siberian Plain this species was early reported from the Altai territory (Zolotarenko & Dubatolov, 2000).

***Acronicta menyanthidis* (Esper, 1789)**

Fig. 13

MATERIAL EXAMINED. Omsk Province: Ust-Ishimsky district, 5,5 km NW of Ust-Ishim vill., Ashair bog, 57°43'01"N, 71°03'58"E, at light, 7–8.VI 2018; same locality, 16–17.VII 2018, 1♂, S.A. Knyazev (SKO); Krutinsky district, 44 km NW Krutinka vill., 5 km SW Gulyai Pole vill., 56°13'30"N, 70°53'44"E, 7–8.VI 2016, 4♂, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province. The nearest known locality of this species in West Siberia is in the Tyumen Province – Bolshetarkhovo village which is situated in Khanty-Mansi Autonomous Area (Sviridov & Sitnikov, 1995; Zolotarenko & Dubatolov, 2000).

***Cucullia dracunculi* (Hübner, [1813])**

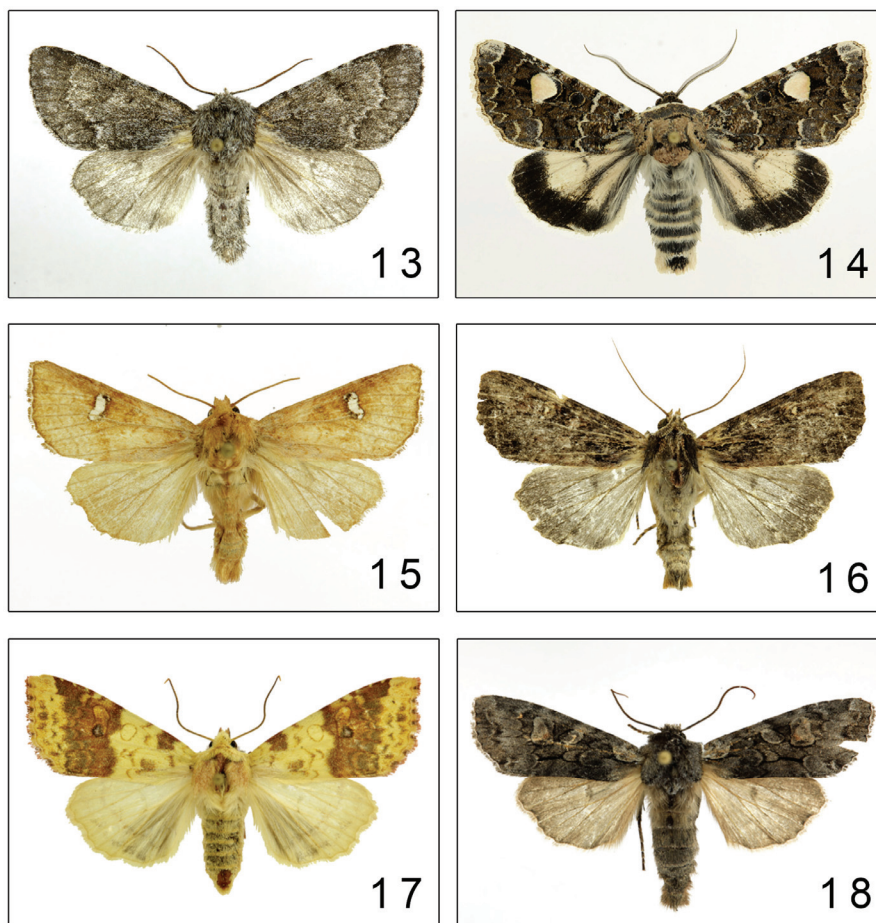
MATERIAL EXAMINED. Omsk Province: Cherlacksky district, 2 km N of Malyi Atmos vill., 54°00'57"N, 74°56'36"E, at light, 6.VII 2011, 1♂, S.A. Knyazev (SKO); Cherlacksky district, 9 km NE of Dzhartargul vill., Kurumbelskaya steppe, near Ataitchye Lake, 54°27'14"N, 75°40'06"E, at light, 23–24.VI 2014, 1♂, S.A. Knyazev (SKO); Maryanovsky district, 2 km NW of Maryanovka vill., near Krugloye Lake, 54°59'06"N, 72°35'57"E, at night feeding on the flowers of *Phlomis tuberosa*, 28–29.VI 2017, 10♂, S.A. Knyazev (SKO).

REMARK. The species was erroneously reported as *Cucullia amota* Alphéraky, 1887 by the single male from Cherlacksky district of the Omsk Province (Knyazev *et al.*, 2012). It is widely distributed in the steppes southern of Omsk.

***Epimecia ustula* (Freyer, 1835)**

MATERIAL EXAMINED. Omsk Province: Russko-Polyansky district, 2 km SE of Buzan vill., 53°55'35"N, 73°57'34"E, at light, 1–2.VI 2018, 1♂, S.A. Knyazev (SKO); Cherlacksky district, 6 km SE of Nikolaevka vill., 54°14'21"N, 75°07'02"E, near Ulzhai Lake, at light, 10–11.VI 2018, 1♂, S.A. Knyazev (SKO).

REMARK. New to the Russian Part of the West Siberian Plain and the first record from the Omsk Province. The nearest known locality is in the Pavlodar Province of Kazakhstan (Titov *et al.*, 2017).



Figs. 13–18. Adults, dorsal view. 13 – *Acronicta menyanthidis* from Ust-Ishim; 14 – *Oxytripia orbiculosa* from Buzan; 15 – *Amphipoea ochreola* from Buzan; 16 – *Apamea aquila* from Novovarshevka; 17 – *Cirrhia tunicata* from Gvozdevka; 18 – *Lithophane consocia* from Yakovlevka.

***Ipimorpha contusa* (Freyer, 1849)**

MATERIAL EXAMINED. **Novosibirsk Province:** Maslyaninsky district, Poldnevaya River valley, 54°33'13"N, 84°51'33"E, at light, 24.VII 2017, 2♂, V.V. Ivonin (VIN); same locality, at light, 10.VIII 2018, 4♂, 3♀, V.V. Ivonin (VIN).

REMARK. In the West Siberia this species had been reported from one locality in the Omsk Province (Knyazev *et al.*, 2013), and from the Novosibirsk and Kemerovo Provinces (Zolotareno & Dubatolov, 2000) but without localities.

***Oxytrippia orbiculosa* (Esper, 1799)**

Fig. 14

MATERIAL EXAMINED. **Omsk Province:** Russko-Polyansky district, 2 km SE of Buzan vill., 53°55'35"N, 73°57'34"E, at light, 20–21.IX 2018, 2♂, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province. Specimens were collected in steppe zone on the south of Omsk Province, not so far from Kazakhstan border. On the territory of the Russian part of the West Siberian Plain the species was known only from the Novosibirsk Province (Zolotareno & Dubatolov, 2000).

***Amphipoea ochreola* (Staudinger, 1882)**

Fig. 15

MATERIAL EXAMINED. **Omsk Province:** Russko-Polyansky district, 2 km SE of Buzan vill., 53°55'35"N, 73°57'34"E, at light, 14–15.IX 2018, 1♂, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province. The specimen was collected in steppe zone on the south of the Omsk Province, not so far from Kazakhstan border. On the territory of the West Siberian Plain the species was known from the Novosibirsk Province (Zolotareno & Dubatolov, 2000; Ivonin *et al.*, 2013) and Pavlodar Province of Kazakhstan (Titov *et al.*, 2017).

***Apamea aquila* Donzel, 1837**

Fig. 16

MATERIAL EXAMINED. **Omsk Province:** Novovarshavsky district, 3 km E of Novovarshavka vill., 54°10'01"N, 74°45'25"E, at light, 26–27.VII 2018, 1♂, S.A. Knyazev (SKO).

REMARK. New to the West Siberia and Omsk Province. The single specimen was collected in the floodplain of the Irtysh River on the south of the Omsk Province. On the territory of Russia the species was known from North Caucasus, Krasnoyarsk territory, Sayan area, Baikal area and the Far East (Kononenko, 2016).

***Cirrhia tunicata* (Graeser, [1890])**

Fig. 17

MATERIAL EXAMINED. **Omsk Province:** Moskalensky district, 6 km W of Gvozdevka vill., Ebeity Lake, 54°35'28"N, 71°47'05"E, at light, 4.IX 2018, 1♀, S.A. Knyazev (SKO); Russko-Polyansky district, 2 km SE of Buzan vill., 53°55'35"N, 73°57'34"E, at light, 14–15.IX 2018, 1♀, S.A. Knyazev (SKO).

REMARK. New to the Russian part of the West Siberian Plain. The nearest known locality of this species is Pavlodar Province in North-East Kazakhstan (Titov *et al.*, 2017). Main previously known distribution of *Cirrhia tunicata* in Russia was from Baikal region to the Far East (Kononenko, 2016).

***Lithophane consocia* (Borkhausen, 1792)**

Fig. 18

MATERIAL EXAMINED. Omsk Province: Bolsheukovsky district, 28 km NW of Bolshiye Uki vill., Yakovlevka, 57°10'39.05"N, 72°25'23.57"E, at light, 20–21.IV 2018, 1♂, S.A. Knyazev (SKO).

REMARK. New to the Omsk Province. It was reported from the Tomsk Province and Altai territory in West Siberia (Zolotareno & Dubatolov, 2000).

CONCLUSION

Finally, 25 species are reported from the territory of the Omsk Province for the first time. *Cucullia amota* Alphéraky, 1887 was redetermined and replaced by *Cucullia dracunculi* (Hübner, [1813]) for the fauna of the Omsk Province. Six species are new to the Novosibirsk Province. Distribution of *Ipimorpha contusa* (Freyer, 1849) was clarified and confirmed on the territory of the Novosibirsk Province. Eight species, *Gazoryctra ganna* (Hubner, 1804), *Agonopterix alstromeriana* (Clerck, 1759), *Aleis jubatus* (Thunberg, 1788), *Heterothera taigana* (Djakonov, 1926), *Eupithecia lanceata* (Hübner, [1825]), *Epimecia ustula* (Freyer, 1835), *Apamea aquila* Donzel, 1837, and *Cirrhia tunicata* (Graeser, [1890]) are new to the Russian part of the West Siberian Plain. *Bucculatrix cristatella* (Zeller, 1839) is reported as new for the Asian part of Russia. This is due to insufficient knowledge of remote and inaccessible areas in the regions, as well as the incomplete knowledge of the early spring and late autumn aspects of the fauna.

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REFERENCES

- Beljaev, E.A. 2016. Family Geometridae. P. 518–666. In: *Annotated Catalogue of the insects of Russian Far East. Volume II. Lepidoptera*. Dalnauka, Vladivostok. [In Russian]
- Dubatolov, V.V. 2013. Night moth (Lepidoptera). P. 229–257. In: *Dynamics ecosystem of Novosibirsk Akademgorodok*. Siberian Branch of the Russian Academy of Sciences, Novosibirsk. [In Russian]
- Huemer, P., Weiser, C., Weismair, B., Sinev, S. Yu., Weiser, C. & Yakovlev, R.V. 2017. Schmetterlinge (Lepidoptera) des Altai-Gebirges (Südsibirien, Russland) – Eindrücke einer internationalen expedition im Spätsommer 2016. *Carinthia II*, 207(127): 527–564.
- Ivonin, V.V., Dubatolov, V.V. & Knyazev, S.A. 2013. New data on the Macroheterocera fauna (Lepidoptera) of the south-eastern part of West Siberia. *Euroasian Entomological Journal*, 12(4): 407–414. [In Russian]

- Knyazev, S.A. 2009. Butterflies (Lepidoptera, Diurna) of Omsk province, Russia. *Euroasian Entomological Journal*, 8(4): 441–461. [In Russian]
- Knyazev, S.A., Ponomaryov, K.B., Teploukhov, V.Yu., Kholodov, O.N. & Maranik V.V. 2010a. Macroheterocera (excluding Geometridae and Noctuidae) (Insecta, Lepidoptera) of Omsk province, Russia. *Altajan Zoological Journal*, 4: 33–51. [In Russian]
- Knyazev, S.A., Dubatolov, V.V., Ponomaryov, K.B., Teploukhov, V.Yu., Kholodov, O.N., Rogalyov, V.V. & Maranik, V.V. 2010b. Noctuids (Lepidoptera, Noctuidae) of Omsk Province. *Amurian Zoological Journal*, 2(2): 148–183. [In Russian]
- Knyazev, S.A., Vasilenko, S.V., Ponomaryov, C.B., Teploukhov, V.Y. & Rogalev, V.V. 2010c. On the fauna of moths (Lepidoptera, Geometridae) of Omsk Province. Annotated list of species. *Omsk biological school*, 6: 2–26. [In Russian]
- Knyazev, S.A., Teploukhov, V.Yu. & Rogalyov, V.V. 2011. New and interesting finds of Macrolepidoptera in Omsk Province. *Eversmannia*, 25–26: 75–80. [In Russian]
- Knyazev, S.A., Rogalyov, V.V. & Ponomaryov, K.B. 2012. Additions and updates to the fauna of Lepidoptera (Lepidoptera) Omsk Province. *Eversmannia*, 29–30: 81–85. [In Russian]
- Knyazev, S.A., Rogalyov, V.V., Ponomaryov, K.B. & Teploukhov, V.Yu. 2013. New records of butterflies and moths (Lepidoptera) in Omsk Province. *Eversmannia*, 36: 42–46. [In Russian]
- Knyazev, S.A. & Ustjuzhanin, P.Ya. 2013. To the fauna of plume-moths (Lepidoptera, Pterophoridae) of Omsk Province. *Euroasian Entomological Journal*, 12(2): 200–204. [In Russian]
- Knyazev, S.A., Sinev, S.Yu., Dubatolov, V.V. & Ustjuzhanin, P.Ya. 2014. Pyraloid moths (Lepidoptera, Pyraloidea) of Omsk Province. *Amurian Zoological Journal*, 6(4): 375–397. [In Russian]
- Knyazev, S.A., Ivonin, V.V., Dubatolov, V.V., Vasilenko, S.V. & Ponomaryov, K.B. 2015. New records of Lepidoptera from the South of West Siberia. *Amurian Zoological Journal*, 7(1): 43–50. [In Russian]
- Knyazev, S.A. & Mironov, V.G. 2015. New species of the pugs (Lepidoptera, Geometridae: Eupithecia) for Southern part of West Siberia, Russia. *Euroasian Entomological Journal*, 14(2): 139–141. [In Russian]
- Knyazev, S.A., Ivonin, V.V. & Vasilenko, S.V. 2016. New and interesting records of Lepidoptera in Omsk and Novosibirsk Provinces. *Amurian Zoological Journal*, 8(4): 254–272. [In Russian]
- Knyazev, S.A., Ivonin, V.V., Sinev, S.Yu., Lvovsky, A.L., Dubatolov, V.V., Vasilenko, S.V., Ustjuzhanin, P.Ya., Ponomaryov K.B. & Salnik, A.A. 2017. New records of Lepidoptera from the South of West Siberian Plain. *Ukrainian Journal of Ecology*, 7(4): 659–667. DOI: 10.15421/2017_177
- Knyazev, S.A., Kirichenko, N.I., Baryshnikova, S.V. & Triberti, P. 2018. The first notes on taxonomic diversity of leaf-mining micromoths, Gracillariidae (Insecta, Lepidoptera) in Omskaya Oblast, Russia. *Euroasian Entomological Journal*, 17(4): 261–272. [In Russian]
- Kononenko, V.S. 2016. Family Noctuidae. P. 408–510. In: *Annotated Catalogue of the insects of Russian Far East. Volume II. Lepidoptera*. Dalnauka, Vladivostok. [In Russian]
- Lvovsky, A.L. & Knyazev, S.A. 2012. Microlepidoptera of Omsk Province. Part 1. Families Ethmiidae, Cryptolechiidae, Depressariidae, Chimabachidae, Oecophoridae, Autostichidae. *Amurian Zoological Journal*, 4(1): 26–30. [In Russian]
- Sinev, S.Yu. (Ed.). 2008. *Catalogue of Lepidoptera of Russia*. KMK Press, St. Petersburg–Moscow. 426 p. [In Russian]

- Sviridov, A.V. & Sitnikov, P.S. 1995. Noctuid moths of Tyumen region. *Actias*, 2(1–2): 89–104.
- Titov, S.V., Volynkin, A.V., Dubatolov, V.V., Cernila, M., Reznichenko, S.M. & Bychkov, V.S. 2017. Noctuid moths (Lepidoptera: Erebidae, Nolidae, Noctuidae) of North-East Kazakhstan (Pavlodar Region). *Ukrainian Journal of Ecology*, 7(2): 142–164. DOI: 10.15421/2017_32
- Trofimova, T.A., Shovkoon, D.F. & Witt, T.J. 2016. A revision of the genus *Calliteara* Butler, 1881 (Lepidoptera, Erebidae, Lymantriinae). *Proceedings of the Museum Witt*, 3: 1–292.
- Ustjuzhanin, P.Ya. 1998. To the fauna of Pterophoridae (Lepidoptera) from the south part of the West Siberian Plain. P. 324–325. In: *Bespozvonochnye zhivotnyie Yuzhnogo Zauralya i sopredelnykh territorii. Materialy vserossiiskoi konferentsyi 14-16 aprelya 1998*. Kurgan. [In Russian]
- Ustjuzhanin, P.Ya. & Kovtunovich, V.N. 2012. Plume-moths (Lepidoptera, Pterophoridae) of Novosibirsk Province. *Amurian Zoological Journal*, 4(4): 340–349. [In Russian]
- Vasilenko, S.V. & Ivonin, V.V. 2012. New records of rare geometer moths (Lepidoptera, Geometridae) in Novosibirskaya Oblast. *Amurian Zoological Journal*, 4(1): 50–53. [In Russian]
- Zolotarev, G.S. & Dubatolov, V.V. 2000. A check-list of Noctuidae (Lepidoptera) of the Russian part of the West-Siberian Plain. *Far Eastern Entomologist*, 94: 1–23.

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