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ADDITIONAL DATA TO THE NOCTUOIDEA (INSECTA: LEPIDOPTERA) FAUNA OF SOUTH-EAST KAZAKHSTAN

Korb, S. K. До вивчення фауни лускокрилих надродини Noctuoidea (Insecta: Lepidoptera) Північно-Східного Казахстану [Текст] / С. К. Корб // Вісті Харк. ентопол. т-ва. — 2013. — Т. XXI, вип. 1. — С. 26–32.

Наведено список лускокрилих надродини Noctuoidea, зібраних у 2010–2011 рр. експедиціями Нижегородського відділення Російського ентомологічного товариства. До списку включено 125 видів, із яких 25 уперше наводяться для території Казахстану. Уточнюється розповсюдження деяких маловідомих видів. Для *Autographa camptosema* (Hampson, 1913) указується новий біотоп: низькогірні пустелі. 1 рис., 16 назв.

Ключові слова: Lepidoptera, Noctuoidea, лускокрилі, нічницеподібні, Північно-Східний Казахстан, фауна, екологія.

Korb, S. K. К изучению фауны чешуекрылых надсемейства Noctuoidea (Insecta: Lepidoptera) Юго-Восточного Казахстана [Текст] / С. К. Корб // Изв. Харьк. энт. о-ва. — 2013. — Т. XXI, вып. 1. — С. 26–32.

Приводится список чешуекрылых надсемейства Noctuoidea, собранных в 2010–2011 гг. экспедициями Нижегородского отделения Российского энтомологического общества. Данный список включает 125 видов, из которых 25 впервые приводятся для территории Казахстана. Уточняется распространение некоторых малоизвестных видов. Для *Autographa camptosema* (Hampson, 1913) указывается новый биотоп: низкогорные пустыни. 1 рис., 16 назв.

Ключевые слова: Lepidoptera, Noctuoidea, чешуекрылые, совкообразные, Юго-Восточный Казахстан, фауна, экология.

Korb, S. K. Additional data to the Noctuoidea (Insecta: Lepidoptera) fauna of South-East Kazakhstan [Text] / S. K. Korb // The Kharkov Entomol. Soc. Gaz. — 2013. — Vol. XXI, iss. 1. — P. 26–32.

A list of Noctuoidea species collected in 2010–2011 field seasons in South Kazakhstan by the expeditions of the Nizhny Novgorod Branch of the Russian Entomological Society is given. Present list includes 125 species, 25 of them are recorded from Kazakhstan for the first time. Distribution of some little-known species is clarified. Lowland desert is recorded as new biotope for *Autographa camptosema* (Hampson, 1913). 1 fig., 16 refs.

Keywords: Lepidoptera, Noctuoidea, moths, South-East Kazakhstan, fauna, ecology.

Introduction. Only few works about noctuid moths of South-East Kazakhstan are known (Hacker, Peks, 1990; Noctuoidea ..., 1998; Meinhard, 1908; Uvarov, 1910). Most of the zoogeographical data are dispersed in many taxonomical papers (revisions, new taxa descriptions etc.). Thus, this fauna is still poorly explored, especially in Ili and Charyn river valleys.

Materials and methods. In 2010 (from June to July) and 2011 (from end of April to beginning of May) the Nizhny Novgorod Branch of the Russian Entomological Society organized two research expeditions to the South Kazakhstan (collecting points are presented in Fig.). We were friendly accompanied by the scientists from the Zoological Institute of Kazakhstan in both expeditions. Both trips have been extremely full of collecting events, we were very happy to explore incredibly rich and unique Lepidoptera fauna conserved now in Altyn-Emel and Charyn National Parks. All collected materials have been mounted and determined.

Acknowledgements. Most of the determination work was done by O. Pekarsky (Budapest); a lot of valuable help with determination I received from Dr. A. Matov (Saint Petersburg), all *Catocala* Schrank, 1802 species have been determined by Dr. A. V. Sviridov (Moscow). I am greatly indebted to these persons for their valuable help.

Results. Systematic list of species with data on the distribution and ecology is given below. Species that are recorded from Kazakhstan for the first time marked with an asterisk (*).

NOCTUOIDEA

EREBIDAE

SCOLIOPTERYGINAE

Scoliopteryx aksuana (Sheljuzhko, 1955): 30.06.2011, Boro-Khoro, 3 spec. Gen. prep. op 2 077 m (deposited in O. Pekarsky coll.).

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Fig. The studied region and collecting points: 1 — 35 km N of Bakanas, Ili River Valley, N 44 53.940 E 75 53.479, 377 m, in text: Bakanas; 2 — 3 km N of Kapchagai, Ili River Valley, N 43 55.861 E 77 05.513, 574 m, in text: Kapchagai; 3 — Chulak gorge in Dzhungarian Alatau Mts., Ili River Valley, Alтын Emel Nature Reserve, N 43 54.255 E 77 47.980, 681 m, in text: Chulak; 4 — Singing Dune in Alтын Emel Nature Reserve, eastern border of Kapchagai Reservoir, Ili River Valley, N 43 50.273 E 78 35.759, 467 m, in text: Singing Dune; 5 — Saksaul forest 56.5 km S of Kugaly, Alтын Emel Nature Reserve, N 43 57.688 E 78 46.164, 645 m, in text: Saksaul; 6 — Bridge through Ili River 22 km SE of Koktal, Ili River Valley, N 43 58.004 E 79 35.905, 600 m, in text: Ili; 7 — 33 km N of Panfilov, Boro-Khoro Mts., N 44 29.765 E 80 03.848, 1 830 m, in text: Boro-Khoro; 8 — Charyn National Park, Charyn River Valley, N 43 38.124 E 79 21.641, 638 m, in text: Charyn; 9 — Koram village environs 15 km SE of Chilik, northern slope of Transili Alatau Mts., N 43 29.358 E 78 10.242, 787 m, in text: Koram; 10 — 17 km S of Almaty, Bolshaya Almaatinka Valley, northern slope of Transili Alatau Mts., N 43 03.742 E 76 57.904, 2 622 m, in text: Bolshaya Almaatinka.

HYPENINAE

* *Zekelita ravalis* (Herrich-Schäffer, [1851]): 01.05.2011, Saksaul, 3 spec.

Z. ravalis (Staudinger, 1879): 01.05.2011, Saksaul, 5 spec. This species is widely distributed in South Ural, West Siberian Plain and Middle Asiatic deserts westwards from the line Ekaterinburg–Omsk–Astana–Karaganda–Tashkent–Samarkand, and then in Iran, Iraq and Israel. This is first record of *Z. ravalis* eastwards of that line, close to Chinese border.

TOXOCAMPINAE

Lygephila lubrica (Freyer, 1846): 04.07.2010, Ili, 10 spec.

L. cracca (Denis et Schiffermüller, 1775): 03–04.07.2010, Ili, 5 spec. Gen. prep. op 2 078 f, deposited in O. Pekarsky coll.

* *Tathorhynchus exsiccata* (Lederer, 1855): 20–30.06.1996, Ketmen Mts. near Tuyuk, 2 200 m, leg. V. Gurko. Gen. prep. op 2 084 m, deposited in O. Pekarsky coll.

Autophila simplex (Staudinger, 1888): 01.07.2010, Boro-Khoro, 2 spec. Gep. prep. op 2 076 m, deposited in O. Pekarsky coll. Very interesting record. It is a rare species and the majority of the known specimens are historical ones from the Rückbeil and Tancre expeditions (pers. comm. L. Ronkai).

A. asiatica (Staudinger, 1888): 01.07.2010, Boro-Khoro, 1 spec.

A. gracilis (Staudinger, 1874): 23.04.2011, Kapchagai, 1 spec.

Apopestes phantasma (Eversmann, 1843): 30.04.2011, Chulak, 1 spec.; 03.05.2011, Koram, 1 spec.

BOLETOBIINAE

**Eublemma debilis* Christoph, 1884: 01.05.2011, Saksaul, 3 spec. This species occurs in South Russia, Caucasus, Crimea and North-East Iran; so, record of this species from South-East Kazakhstan shows a great disjunction in about 3 000 km. Actually collected specimens can represent an undescribed yet taxon, but this question requires further researches.

EREBINAE

Drasteria flexuosa (Ménétrières, 1848): 01.05.2011, Saksaul, 1 spec.

D. caucasica (Kolenati, 1846): 24.04.2011, Bakanas, 1 spec.; 28.04.2011, Singing Dunes, 1 spec.; 04.07.2010, Ili, 1 spec.

D. picta (Christoph, 1877): 23.04.2011, Kapchagai, 2 spec.; 25–26.04.2011, Bakanas, 3 spec.; 28–30.04.2011, Singing Dunes, 2 spec.; 03.07.2010, Ili, 1 spec. Very common species almost in all studied places.

**D. chinensis* (Alphéraky, 1882): 07.07.2010, Ili, 1 spec. According to the revision of John (1910: 605), this species inhabits China (Gan-Su, Pei-khiu, Fui-i-tin), so this record located more than 1 000 km of its known area.

D. kusnezovi (John, 1910): 01.05.2011, Baschi, 3 spec. This species was known only from Syr-Darya River basin and Transcaspiya; it is first record from South-Eastern Kazakhstan.

D. obscurata (Staudinger, 1882): 30.06–01.07.2010, Boro-Khoro, 10 spec.

D. aberrans (Staudinger, 1888): 02.05.2010, Charyn, 2 spec. This species is an endemic of Ili and Syr-Darya river basins.

D. sculpta (Püngeler, 1904): 25.04.2011, Bakanas, 1 spec.; 30.06–01.07.2010, Boro-Khoro, 18 spec. Very rare species, known only from few localities in South-Eastern Kazakhstan.

D. saisani (Staudinger, 1882): 30.04.2011, Chulak, 3 spec.

D. rada (Boisduval, 1848): 29–30.04.2011, Chulak, 2 spec.; 30.04.2011, Singing Dunes, 1 spec.; 01.05.2011, Saksaul, 1 spec.; 02.05.2011, Charyn, 2 spec.

Anumeta fractistrigata Alphéraky, 1882: 25–26.04.2011, Bakanas, 4 spec.

A. cestis (Ménétrières, 1848): 04.07.2010, Ili, 1 spec.

A. palpalis Staudinger, 1884: 24.04.2011, Bakanas, 1 spec.

A. palpalis (Püngeler, 1901): 26.04.2011, Bakanas, 1 spec.

A. dentistrigata Staudinger, 1877: 23.04.2011, Kapchagai, 1 spec.; 25–26.04.2011, Bakanas, 3 spec.; 30.04.2011, Singing Dunes, 1 spec.; 01.05.2011, Saksaul, 1 spec.

**Catocala juncta* Staudinger, 1889: 04.07.2010, Ili, 6 spec. This species was known only from Turkmenia and North-West China (Sviridov, 2008: 86).

C. repudiata Staudinger, 1888: 04.07.2010, Ili, 23 spec.

C. artobolevskii Sheljuzhko, 1943: 04.07.2010, Ili, 3 spec. This species was known only from the lower course of Amu-Darya River and Eastern Kazakhstan (Sviridov, 2008: 76; Saldaitis, Ivinskis, Spiedel, 2008: 165).

C. remissa Staudinger, 1892: 04.07.2010, Ili, 4 spec.

C. optima Staudinger, 1888: 04.07.2010, Ili, 2 spec.

C. neonympha (Esper, 1805): 04.07.2010, Ili, 1 spec.

C. aestimabilis Staudinger, 1892: 04.07.2010, Ili, 3 spec. This is the northern limit of that species.

Clytie gracilis (Bang-Haas, 1907): 01.05.2011, Saksaul, 1 spec.

NOCTUIDAE

PLUSIINAE

**Abrostola tripartia* (Hufnagel, 1766): 30.06.2010, Boro-Khoro, 1 spec. The known area of this species includes Europe, Asia Minor, Caucasus, European part of Russia, Ural, West and South Siberia, Russian Far East, North-East China, Korea (Volynkin, 2012: 50).

Macdunnoughia confusa (Stephens, 1850): 02.05.2011, Charyn, 1 spec.; 04.07.2010, Ili, 2 spec.

**Diachrysis stenochrysis* (Warren, 1913): 07.07.2010, Bolshaya Almaatinka, 1 spec. This species was known earlier from Europe, Caucasus, European part of Russia, Ural, South Siberia, Mongolia, Russian Far East, China, Korea, Japan (Volynkin, 2012: 51).

Pseudochalcia aranka (Hacker et Ronkay, 1992): 30.04.2011, Chulak, 2 spec. Described from 'Khantau 800 m, Balkhasch-See' (Hacker, Ronkay, 1992: 461), also known from Tchimngan Valley in West Tian-Shan. This record enlarges its area eastwards.

Autographa camptosema (Hampson, 1913): 23.04.2011, Kapchagai, 1 spec.; 07.07.2010, Bolshaya Almaatinka, 4 spec. This is very interesting record, because at present this species was known only from the '...Central Asiatic arid high mountains' (Ronkay L., Ronkay G., Behounek, 2008: 92), and this record places this species also into lowlands (currently deserts).

A. bractea (Denis et Schiffermüller, 1775): 07.07.2010, Bolshaya Almaatinka, 1 spec.

Syngrapha alaica (Galvagni, 1906): 07.07.2010, Bolshaya Almaatinka, 2 spec. Local, but widely distributed in Middle Asia species (Ronkay L., Ronkay G., Behounek, 2008).

Plusia festucae (Linnaeus, 1758): 30.04.2011, Singing Dunes, 1 spec.

ACONTIINAE

Armada clio (Staudinger, 1884): 30.04.2011, Singing Dunes, 1 spec.

A. panaceorum Ménétriers, 1848: 30.06.2011, Singing Dunes, 3 spec.; 01.05.2011, Saksaul, spec.; 03.05.2011, Koram, 2 spec.

ACRONICTINAE

Simyra nervosa (Denis et Schiffermüller, 1775): 23.04.2011, Kapchagai, 2 spec.; 25.04.2011, Bakanas, 2 spec.

**S. albovenosa* (Goeze, 1781): 30.04.2011, Singing Dunes, 1 spec. This species was known only from Europe, thus this record is also first for Asia.

**Acronicta cinerea* (Hufnagel, 1766): 02.07.2010, Boro-Khoro, 1 spec. First record from Kazakhstan and from Asia. It was known from Europe only.

Leiometopon simyrides Staudinger, 1888: 30.04.2011, Singing Dunes, 1 spec.; 01.05.2011, Saksaul, 1 spec.

METOPONINAE

Gyrohypsoma sterrha Staudinger, 1888: 30.04.2011, Singing Dunes, 9 spec.

CUCULLIINAE

**Cucullia cineracea* Freyer, 1842: 01.07.2010, Boro-Khoro, 1 spec. In the Middle Asia it was known from Iran, Afghanistan, Uzbekistan, Tajikistan (Ronkay G., Ronkay L., 2009: 52).

C. argentina (Fabricius, 1787): 23.04.2011, Kapchagai, 1 spec.; 24–26.04.2011, Bakanas, 5 spec.; 29.04.2011, Chulak, 1 spec. Very common species.

C. maracandica Staudinger, 1881: 01.07.2010, Boro-Khoro, 1 spec.

C. santonici (Hübner, [1813]): 03.05.2011, Koram, 1 spec.

C. improba Christoph, 1885: 29–30.04.2011, Singing Dunes, 3 spec.

C. asteris (Denis et Schiffermüller, 1775): 30.06.2010, Boro-Khoro, 1 spec. First record from Dzhungarian mountainous area; it was known from only Tian-Shan in Middle Asia before (Ronkay G., Ronkay L., 2009).

Shargacucullia notodontina (Boursin, 1934): 30.06.2010, Boro-Khoro, 2 spec.

**S. naumanni* (Ronkay et Ronkay, 1992): 30.06.2010, Boro-Khoro, 1 spec. This species was known from Hissaro-Pamir and Tian-Shan in Kighisia (Ronkay G., Ronkay L., Gyulai, 2011: 32).

ONCOCNEMIDINAE

**Lophoterges centralasiae* (Staudinger, 1901): 30.06.2010, Boro-Khoro, 2 spec. Gen. prep. op 2 075 f, deposited in O. Pekarsky coll. This species was known from Issyk-Kul and Fergana areas from its original description.

AMPHIPYRINAE

Amphipyra turcomana Staudinger, 1888: 30.06.2010, Boro-Khoro, 1 spec.

HELIOTHINAE

Shinia scutosa (Denis et Schiffermüller, 1775): 29–30.04.2011, Chulak, 2 spec.; 01.05.2011, Saksaul, 1 spec.

Rhodocleptria fieldi (Erschoff, 1874): 29.04.2011, Singing Dunes, 1 spec. Little-known species, known only from several points in Middle Asiatic deserts.

Heliothis viriplaca (Hufnagel, 1766): 23.04.2011, Kapchagai, 1 spec.; 25.04.2011, Bakanas, 1 spec.; 30.04.2011, Singing Dunes, 1 spec.; 03.05.2011, Koram, 3 spec.

**Helicoverpa armigera* (Hübner, [1805]): 26.04.2011, Bakanas, 1 spec.; 04.07.2010, Ili, 1 spec. This species represents huge disjunction: one part of its area is in Europe and Africa, second — in the tropical Asia. This new finding shows new local point in its distribution.

BRYOPHILINAE

Bryophila raptacula (Denis et Schiffermüller, 1775): 03–04.07.2010, Ili, 2 spec.

XYLENINAE

Caradrina montana Bremer, 1864: 30.06.2010, Boro-Khoro, 1 spec.

C. albina Eversmann, 1848: 30.04.2011, Singing Dunes, 1 spec. 01.05.2011, Saksaul, 1 spec.

**Athetis gluteosa* (Treitschke, 1835): 01.07.2010, Boro-Khoro, 7 spec.

Auchmis detersina (Staudinger, 1896): 30.06–01.07.2010, Boro-Khoro, 3 spec.

**A. peterseni* (Christoph, 1887): 24.04.2011, Bakanas, 1 spec. This species was known from Transcaucasia and Iran, this new record located more than 2 000 km from its known area.

Amphipoea ochreola (Staudinger, 1882): 03–04.07.2010, Ili, 4 spec.

Arenostola unicolor (Warren, 1914): 01.07.2010, Boro-Khoro, 1 spec. First record from East Kazakhstan.

Globia sparganii (Esper, 1790): 04.07.2010, Ili, 1 spec.

**Apamea illyra* Freyer, 1846: 07.07.2010, Bolshaya Almaatinka, 1 spec. This species was never listed from this country.

**A. furva* (Denis et Schiffermüller, 1775): 29.06–01.07.2010, Boro-Khoro, 6 spec.; 07.07.2010, Bolshaya Almaatinka, 1 spec. This species was listed only from Kyrgyzstan in Middle Asia (Noctuoidea ..., 1998).

A. lateritia (Hufnagel, 1766): 30.06–01.07.2010, Boro-Khoro, 41 spec.; 07.07.2010, Bolshaya Almaatinka, 2 spec. *Eremohadena oxybela* (Boursin, 1963). 04.07.2010, Ili, 1 spec. Very common species in the studied area, almost half of all specimens coming on light belongs to it.

Bryoxena centralasiae (Staudinger, 1882): 07.07.2010, Bolshaya Almaatinka, 8 spec.

**Mniotype adusta* (Esper, 1790): 01.07.2010, Boro-Khoro, 1 spec. 07.07.2010, Bolshaya Almaatinka, 1 spec.

HADENINAE

Perigrapha circumducta (Lederer, 1855): 23.04.2011, Kapchagai, 1 spec.; 26.04.2011, Bakanas, 1 spec. First record from South-Eastern Kazakhstan. It was known before from Eastern Kazakhstan (Altai) (Volynkin, 2012: 131), and habitat was known as steppes. This new record represents inhabiting this species in deserts too.

**Tholera hilaris* (Staudinger, 1901): 23.04.2011, Kapchagai, 1 spec.; 24–26.04.2011, Bakanas, 5 spec.; 30.04.2011, Chulak, 2 spec.; 03.05.2011, Koram, 1 spec. This species has been described from Sarepta in South Russia, and its known distribution covers South Russia, Turkey and Caucasus. Very rare.

Thargelia ochrea Warren, 1910: 01.05.2011, Saksaul, 2 spec. Little known species, known only from its type locality (Kuldja), and from the Almaty Prov. 22 km N of Masak (78°27' E, 43°46' N) (Varga, Ronkay, 1998: 192) southwards from Ili River; our record shows that this species distributed also on its northern coast.

Anarta stigmosa (Christoph, 1887): 23.04.2011, Kapchagai, 1 spec.; 24–26.04.2011, Bakanas, 4 spec.; 30.04.2011, Singing Dunes, 1 spec.; 01.05.2011, Baschi, 2 spec.; 02.05.2011, Charyn, 2 spec.

Hadula dianthii (Tauscher, 1809): 24–25.04.2011, Bakanas, 5 spec.

H. trifolii (Hufnagel, 1766): 23.04.2011, Kapchagai, 10 spec.; 24–26.04.2011, Bakanas, 21 spec.; 30.04.2011, Chulak, 2 spec.; 01.05.2011, Saksaul, 6 spec.; 03.05.2011, Koram, 20 spec.; 04.07.2010, Ili, 2 spec.

**H. ptochica* (Püngeler, 1899): 24.04.2011, Bakanas, 1 spec. Gen. prep. op 2 074 m, deposited in O. Pekarsky coll. This species was known from Mongolia and Turkey and its occurrence in Middle Asia was questionable (Hacker, 1998: 636).

H. sabulorum (Alphéraky, 1882): 24–26.04.2011, Bakanas, 9 spec.; 30.04.2011, Singing Dunes, 2 spec.; 01.05.2011, Saksaul, 1 spec.; 02.05.2011, Charyn, 1 spec.; 03.05.2011, Koram, 2 spec. Very common species.

Odontelia arenicola (Schetkin, 1965): 30.04.2011, Singing Dunes, 1 spec.; Bakanas, 1 spec. Little-known species widely distributed in Turkmenian, Uzbekistanian and Kazakhstanian deserts (Varga, Ronkay, 1998: 183); this is first record from Eastern Kazakhstan.

O. fissilis (Christoph, 1884): 25.04.2011, Bakanas, 1 spec. This species was known only from Karakum and Kysylkum deserts (Varga, Ronkay, 1998: 185); one specimen known from 'Ili Region' (loc. cit.), but without clear locality data.

Cardepija irrisoria (Erschoff, 1874): 30.04.2011, Singing Dunes, 3 spec.; 01.05.2011, Saksaul, 6 spec.

C. helix Boursin, 1962: 30.04.2011, Chulak, 1 spec. 01.05.2011, Saksaul, 1 spec.

Polia bombycina (Hufnagel, 1766): 30.06–02.07.2010, Boro-Khoro, 3 spec.

P. serratilinea Ochsenheimer, 1816: 30.06.2010, Boro-Khoro, 1 spec.

P. altaica (Lederer, 1853): 30.06.2010, Boro-Khoro, 2 spec.

Ctenoceratoda khorgossi (Alphéraky, 1882): 26.04.2011, Bakanas, 2 spec.; 01.05.2011, Saksaul, 2 spec. This species was only known from Emba River basin, Aral Sea coast, Kirghizia and China (in its type locality — Kuldja) (Gorbunov, 2011); this new record expands its area to Ili Valley.

Haderonia arshanica (Alphéraky, 1882): 30.06.2010, Boro-Khoro, 1 spec.; 07.07.2010, Bolshaya Almaatinka, 1 spec.

**Lacanobia contigua* (Denis et Schiffmüller, 1775): 30.06.2010, Boro-Khoro, 2 spec. This species was known only from Kirghizia before (Hacker, Pecks, 1990).

L. suasa (Denis et Schiffmüller, 1775): 25.04.2011, Bakanas, 1 spec.; 03.05.2010, Koram, 10 spec.; 04.07.2010, Ili, 1 spec.

Papestra biren (Goeze, 1781): 07.07.2010, Bolshaya Almaatinka, 1 spec.

Hada plebeja (Linnaeus, 1761): 07.07.2010, Bolshaya Almaatinka, 7 spec.

Sideridis turbida (Esper, 1790): 02.05.2011, Charyn, 1 spec.

Conisania luteago (Denis et Schiffmüller, 1775): 29–01.07.2011, Boro-Khoro, 3 spec.

**C. vidua* (Staudinger, 1888): 03.05.2011, Koram, 1 spec. Little-known species.

Hadena confusa (Hufnagel, 1766): 07.07.2010, Bolshaya Almaatinka, 2 spec.

H. albimacula (Borkhausen, 1792): 01.07.2010, Boro-Khoro, 1 spec.

H. christophi (Möschler, 1862): 24.04.2011, Kapchagai, 1 spec.; 30.04.2011, Chulak, 1 spec.; 30.06–02.07.2010, Boro-Khoro, 2 spec. First record from Kazakhstan. This species was known in Kazakhstan northwards of Balkhash Lake (Hacker, 1996: 504); our records expand its area southwards from this lake.

H. perplexa (Denis et Schiffmüller, 1775): 01.07.2010, Boro-Khoro, 1 spec.

Mythimna vitellina (Hübner, [1808]): 04.07.2010, Ili, 1 spec.

M. conigera (Denis et Schiffmüller, 1775): 30.06.2010, Boro-Khoro, 3 spec.; 07.07.2010, Bolshaya Almaatinka, 3 spec.

Leucania comma (Linnaeus, 1761): 30.06.2010, Boro-Khoro, 2 spec.; 07.07.2010, Bolshaya Almaatinka, 2 spec.

L. obsoleta (Hübner, [1803]): 30.04.2011, Singing Dunes, 8 spec.; 01.05.2011, Saksaul, 8 spec.

L. loreyi (Duponchel, 1827): 01.05.2011, Saksaul, 1 spec.

Lasionycta orientalis (Alphéraky, 1882): 30.06.2010, Boro-Khoro, 2 spec.

NOCTUINAE

**Actebia obumbrata* (Staudinger, 1889): 07.07.2010, Bolshaya Almaatinka, 1 spec. This is Issyk-Kulic endemic.

**Dichagyris elbursica* (Draudt, 1937): 04.07.2010, Ili, 1 spec. This species was known from Tajikistan and Kirghizstan before (Lehmann et al., 1998: 483).

D. umbrifera (Alphéraky, 1882): 02.05.2011, Charyn, 2 spec.

**D. ulrici* (Corti et Draudt, 1933): 30.06–01.07.2010, Boro-Khoro, 2 spec. First record from Kazakhstan and Dzhungarian mountainous system. It was known only from North Tian-Shan until present.

Euxoa conspiciua (Hübner, 1827): 30.06.2010, Boro-Khoro, 9 spec.; 07.07.2010, Bolshaya Almaatinka, 1 spec.

Agrotis exclamationis (Linnaeus, 1758): 02.05.2011, Charyn, 1 spec.

A. semivirens Kozhantchikov, 1937: 01.05.2011, Saksaul, 2 spec.

Cerastis rubricosa (Denis et Schiffmüller, 1775): 03.05.2011, Koram, 1 spec.

Rhyacia arenacea (Hampson, 1907): 30.04.2011, Singing Dunes, 2 spec.; 03.05.2011, Koram, 3 spec.

Noctua orbona (Hufnagel, 1766): 30.06 — 02.07.2010, Boro-Khoro, 9 spec.; 04.07.2010, Ili, 2 spec.

N. interposita (Hübner, 1790): 30.06.2010, Boro-Khoro, 1 spec.

Xestia senescens (Staudinger, 1881): 07.07.2010, Bolshaya Almaatinka, 2 spec.

X. c-nigrum (Linnaeus, 1758): 01.07.2010, Boro-Khoro, 1 spec.

Eugnorisma trigonica (Alphéraky, 1882): 03.05.2011, Koram, 1 spec.

Conclusion. Results of this research shows, that the South-Eastern Kazakhstan moths fauna is still very poorly known and studied. There are two reasons of such fact: first of all, very few expeditions devoted to the night trapping have been here, and, secondly, most of collected materials was never studied by specialists. It causes the very big 'white hole'. As we can see from results presented in the current paper, 20% of found species represents new taxa for studied area. It will of course give new interesting results when exploration of this waste area will be continued.

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