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P. Ya. Ustjuzhanin[1, *)], S. N. Nogovitsyna[2)], V. N. Kovtunovich[3)], A. K. Ustjuzhanina[4)]. TO THE FAUNA OF THE PLUME MOTH (LEPIDOPTERA: PTEROPHORIDAE) OF NORTH-EAST YAKUTIA. – Far Eastern Entomologist. 2016. N 313: 35-40.

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Summary. An annotated list of 17 species of plume moths (Pterophoridae) of North-East Yakutia is given. Five species are firstly recorded from this region of Russia, beside them three species are new for the fauna of Yakutia.

Key words: Lepidoptera, Pterophoridae, plume moths, fauna, new data, Russia.

П. Я. Устюжанин, С. Н.Ноговицына, В. Н. Ковтунович, А. К. Устюжанина. К фауне пальцекрылок (Lepidoptera: Pterophoridae) Северо-Восточной Якутии // Дальневосточный энтомолог. 2016. N 313. С. 35-40.

Резюме. Приведен аннотированный список 17 видов пальцекрылок (Pterophoridae) фауны Северо-Восточной Якутии. Пять видов впервые указываются для этого региона, причем три из них впервые приводятся для Якутии.

The fauna of Pterophoridae in Yakutia is poorly studied. Still now 36 species has been recorded from the Republic of Sakha (Yakutia), beside them only 3 species are known from the northeast part of this region (Ustjuzhanin & Dubatolov, 1990; Ustjuzhanin & Kovtunovich, 2008a, b).

Our study is based on the materials collected by S.N. Nogovitsyna in 2012–2013 in the steppe areas of the Indigirka River basin and Cherskii Range (Fig. 1). The studied steppes are the largest in the Indigirka basin and unique by their floristic composition. The vegetation of these steppes is represented by formations with dominance of *Festuca*, *Poa* and *Artemisia*, but in the studied sites the dominant plants are *Koeleria cristata* (L.) Pers., *Agropyron cristatum* (L.) Beauv, and *Festuca kolymensis* Drob.

An annotated list of Pterophoridae of the North-East Yakutia is given below. New for this region species are asterisked (*); new for Yakutia species are double marked (**).

LIST OF PTEROPHORIDAE FROM NORTH-EAST YAKUTIA

***Platyptilia calodactyla* ([Denis et Schiffermüller], 1775)**

Alucita calodactyla Denis & Schiffermüller, 1775: 146. (Type locality: Austria).

NOTES. This species was recorded from North-East Yakutia (Ustjuzhanin & Kovtunovich, 2008a, b).

***Platyptilia farfarella* Zeller, 1867**

Platyptilus farfarellus Zeller, 1867: 334. (Type locality: Poland).

NOTES. This species was recorded from NE Yakutia (Ustjuzhanin & Dubatolov, 1990; Ustjuzhanin & Kovtunovich, 2008a, b).

Fig. 1. Map of Siberia. ▲ – studied localities: 1 – Arga-Eseleekh River; 2 – Kulun-Elbyut; 3 – Yu-Khaia Mt.; 4 – Inyali River.

***Platyptilia gonodactyla* ([Denis et Schiffermüller], 1775)**

Alucita gonodactyla Denis & Schiffermüller, 1775: 320. (Type locality: Austria).

NOTES. This species was recorded from North-East Yakutia by Ustjuzhanin & Kovtunovich (2008a).

*****Platyptilia nemoralis* Zeller, 1841**

Platyptilia nemoralis Zeller, 1841: 778. (Type locality: Poland).
Platyptilia sinuosa Yano, 1960: 137. (Type locality: Japan).

MATERIAL EXAMINED. Cherskii Mts: Silyap Ridge, 13 km from mouth of Inyali River, the left tributary of Indigirka River, 65°11'N, 145°08'E, 420 m, 13.VII 2012, 1 ♀ (S. Nogovitsyna).

DISTRIBUTION. Russia (European part, North Caucasus, South Siberia, Primorskii krai, Sakhalin, Kuril Islands), Europe, Japan.

***Paraplatyptilia hedemanni* (Snellen, 1884)**

Pterophorus hedemanni Snellen, 1884: 184. (Type locality: Amur, Russia).

NOTES. This species was recorded from North-East Yakutia (Ustjuzhanin & Kovtunovich, 2008b).

***Paraplatyptilia sahlbergi* (Poppius, 1906)**

Stenoptilia sahlbergi Poppius, 1906: 9. (Type locality: Kanin Peninsula, Russia).
Mariana lineata Arenberger, 1984: 13. (Type locality: Polar Ural, Russia).

NOTES. This species was recorded from North-East Yakutia by Ustjuzhanin & Kovtunovich (2008b).

***Paraplatyptilia sibirica* (Zagulajev, 1983)**

Mariana sibirica Zagulajev, 1983: 120. (Type locality: Taimyr, Russia).

NOTES. This species was recorded from North-East Yakutia (Ustjuzhanin & Dubatolov, 1990; Ustjuzhanin & Kovtunovich, 2008a).

***Paraplatyptilia terminalis* (Erschoff, 1877)**

Platyptilia terminalis Erschoff, 1877: 347. (Type locality: Irkutsk, Russia)

MATERIAL EXAMINED. Cherskii Mts: Silyap Ridge, 13 km from mouth of Inyali River, the left tributary of Indigirka River, 65°11'N, 145°08'E, 420 m, 13.VII 2012, 1 ♀ (S. Nogovitsyna).

DISTRIBUTION. Russia (Southern Siberia, NE Yakutia, Kamchatka, Primorskii krai, Sakhalin).

****Paraplatyptilia vacillans* (Snellen, 1884)**

Pterophorus vacillans Snellen, 1884: 187. (Type locality: Amur, Russia)

MATERIAL EXAMINED. Cherskii Mts: Momskii Ridge, right bank of Indigirka River, environs of Honuu, Mt Yu-Khaia, 66°27'N, 143°15'E, 593 m, 5.VII 2013, 2 ♂, 2 ♀ (S. Nogovitsyna).

DISTRIBUTION. Russia (Siberia, Altai, Buryatia, Transbaikalia, Eastern Yakutia, Primorskii krai).

***Amblyptilia punctidactyla* (Haworth, 1811)**

Alucita punctidactyla Haworth, 1811: 479. (Type locality: Great Britain).

NOTES. This species was recorded from North-East Yakutia (Ustjuzhanin & Kovtunovich, 2008b).

***Stenoptilia islandica* (Staudinger, 1857)**

Pterophorus islandicus Staudinger, 1857: 280. (Type locality: Iceland).

NOTES. This species was recorded from North-East Yakutia (Ustjuzhanin & Kovtunovich, 2008a, b).

****Stenoptilia jacutica* Ustjuzhanin, 1996**

Stenoptilia jacutica Ustjuzhanin, 1996: 369. (Type locality: Yakutia, Russia).

MATERIAL EXAMINED. Cherskii Mts: Silyap Ridge, 10 km from mouth of Inyali River, the left tributary of Indigirka River, 65°19'N, 143°14'E, 390 m, 27.VI 2012, 14 ex.; 28.VI 2012, 3 ♂; 12-17.VII 2012, 17 ex.; 13.VII 2012, 1 ♀ (S. Nogovitsyna); Cherskii Mts: Momskii Ridge, right bank of Indigirka River, environs of Honuu, Mt Yu-Khaia, 66°27'N, 143°15'E, 593 m, 05.VII 2013, 1 ♂, 1 ♀, (S. Nogovitsyna); Cherskii Mts: Momo-Selennyakhskaya valley, 77 km N Kulun-Elbyut, lower stream of Arga-Eseleekh River, the left tributary of Indigirka River, 66°50'N, 142°35'E, 443 m, steppe slope, 15.VII 2013, 25 ex. (S. Nogovitsyna).

DISTRIBUTION. Yakutia (western, central and northern parts of republic).

*****Stenoptilia nolckeni* (Tengstrom, 1869)**

Pterophorus nolckeni Tengstrom, 1870: 366. (Type locality: Russia, Karelia).
Pterophorus caesius Snellen, 1884: 189. (Type locality: Irkutsk, Russia).
Stenoptilia altaica Arenberger, 2002: 137. (Type locality: Altai, Russia).

MATERIAL EXAMINED. Cherskii Mts: Silyap Ridge, 13 km from mouth of Inyali River, the left tributary of Indigirka River, 65°11'N, 145°08'E, 420 m, 13-15.VII 2012, 2 ♀ (S. Nogovitsyna); Cherskii Mts: Momo-Selennyakhskaya valley, 77 km N Kulun-Elbyut, lower stream of Arga-Eseleekh River, the left tributary of Indigirka River, 66°50'N, 142°35'E, 443 m, steppe slope, 15.VII 2013, 1 ♂, 1 ♀ (S. Nogovitsyna); Cherskii Mts: Momo-Selennyakhskaya valley, 2 km N Kulun-Elbyut, the left tributary of Indigirka River, 66°49'N, 142°43'E, 150 m, 11-18.VII 2013, 1 ♂ (S. Nogovitsyna).

DISTRIBUTION. Russia (Southern Siberia, NE Yakutia, Amurskaya oblast, Khabarovskii krai, Primorskii krai, the South Kuril Islands: Kunashir), Northern Europe, Kazakhstan, Kyrgyzstan, Mongolia.

****Stenoptilia stigmatodactyla* (Zeller, 1852)**

Pterophorus stigmatodactylus Zeller, 1852:374. (Type locality: Austria).

MATERIAL EXAMINED. Cherskii Mts: Momo-Selennyakhskaya valley, 77 km N Kulun-Elbyut, lower stream of Arga-Eseleekh River, the left tributary of Indigirka River, 66°50'N, 142°35'E, 443 m, steppe slope, 15.VII 2013, 1 ♀ (S. Nogovitsyna).

DISTRIBUTION. Russia (European part, North Caucasus, Southern Siberia, Yakutia, Magadanskaya oblast), Europe, Iran, Kazakhstan.

***Stenoptilia veronicae* Karvonen, 1932**

Stenoptilia agutsana Ustjuzhanin, 1996: 374. (Type locality: Chita Region, Russia).
Stenoptilia cercelegica Fazekas, 2003: 14. (Type locality: Archangaj, Mongolia).

NOTES. This species was recorded from North-East Yakutia (Ustjuzhanin & Kovtunovich, 2008b)

***Merrifieldia leucodactyla* ([Denis et Schiffermüller], 1775)**

Alucita leucodactyla Denis et Schiffermüller, 1775: 146. (Type locality: Austria).

MATERIAL EXAMINED. Cherskii Mts: Momo-Selennyakhskaya valley, 77 km N Kulun-Elbyut, lower stream of Arga-Eseleekh River, the left tributary of Indigirka River, 66°50'N, 142°35'E, 443 m, steppe slope, 15.VII 2013, 1 ♂, 1 ♀ (S. Nogovitsyna).

DISTRIBUTION. Russia (European part, Southern Siberia, Transbaikalia, Yakutia, Amurskaya oblast), Europe, North Africa, West and Central Asia, China.

***Hellinsia wrangeliensis* (Zagulajev, 1985)**

Leioptilus wrangeliensis Zagulajev, 1985: 186. (Type locality: Wrangel Isl., Russia).

MATERIAL EXAMINED. Cherskii Mts: Momskii Ridge, environs of Honuu, valley on the right bank of Indigirka River, 66°44'N, 143°21'E, 192 m, 6.VII 2013, 4 ♂, 2 ♀ (S. Nogovitsyna).

DISTRIBUTION. North and North-East Yakutia, Magadan region, Chukotka.

CONCLUSION

Nowadays 17 species of plume moths (Pterophoridae) are known from the North-East Yakutia. Three species (*Platyptilia nemoralis*, *Paraplatyptilia vacillans* and *Stenoptilia nolckeni*) are recorded here from Yakutia for the first time. Two species (*Stenoptilia jacutica* and *S. stigmatodactyla*) are new for the north-east part of this region. Thus, 36 species of 11 genera are reliably reported from the Yacutia Republic.

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