

Species list of Pterophoridae of Bolivia with new records (Lepidoptera: Pterophoridae)

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Abstract

We give new data on Pterophoridae species from Bolivia and provide a checklist of them, including 41 species of 13 genera. Nine species are recorded for the fauna of Bolivia for the first time (in the article they are marked with *). The study was based on the main literature on Pterophoridae of Bolivia.

KEY WORDS: Lepidoptera, Pterophoridae, new data, Bolivia.

Lista de especie de Pterophoridae de Bolivia con nuevos registros (Lepidoptera: Pterophoridae)

Resumen

Damos nuevos datos sobre las especies de Pterophoridae de Bolivia y proporcionamos una lista de ellos, incluyendo 41 especies y 13 géneros. Nuevas especies son registradas por primera vez para Bolivia (en el artículo son marcados con *). El estudio estaba basado sobre la literatura principal sobre Pterophoridae de Bolivia

PALABRAS CLAVE: Lepidoptera, Pterophoridae, new data, Bolivia.

Introduction

The Pterophoridae fauna of Bolivia has never been separately considered in the scientific literature. Till now there were 32 known species of them GIELIS (2003, 2006, 2011, 2013), KOVTUNOVICH *et al.* (2016).

Material

Examining the collections of plume moths from Bolivia, graciously provided to us by V. Sinyaev (Moscow, Russia), we have discovered 9 more species new for the fauna of this country.

List of collecting localities

Amboro - Santa Cruz, Amboro Nat. Park, 17° 59' S, 63° 59' W, 1900 m.

Comarapa - Santa Cruz, 7,5 km SE Comarapa, 17° 58.2' S, 64° 29.2' W, 1725 m.

Corani - Cochabamba, 3 km 70° from Corani 17° 13' 9,5"S, 65° 51' 44,7"W, 2650 m.

Coripata - La Paz, 4,3 km SW Coripata, 16° 20.6' S, 67° 37.4' W, 1500 m.

Cotapata - La Paz, Cotapata, 16° 16.8'S, 67° 52.6' W, 3210 m.

Illimani - La Paz, 10 km S Peak Mt. Illimani, 16° 44.2'S, 67° 49.0' W, 3130 m.

Lagunillas - Santa Cruz, near Lagunillas, 18° 15.5' S, 64° 10.9' W, 1722 m.
La Higuera - Santa Cruz, La Higuera, 18° 47.7' N, 64° 12.1' W, 2050 m.
Monteagudo - Chuquisaca, E Monteagudo, 19° 47.6' S, 63° 53.4' W, 1300 m.
San Pedrito - Cochabamba, San Pedrito, 33 km SW Villa Tunari, 17° 07.4' S, 65° 41.5' W, 1066 m.
Tatarenda - Santa Cruz, 11 km NE Tatarenda, 19° 50.3' S, 63° 43.5' W, 680 m.
Tunari - Cochabamba, Sant Pedrito, 33 km SW Villa Tunari, 17° 07.4' S, 65° 41.5' W, 1066 m.
Valle Grande - Santa Cruz, 11 km S Valle Grande, 18° 35.3' S, 64° 06.8' W, 2543 m.
Chuquisaca, 29.5 km SE Padilla, 19° 31.9' S, 64° 09.7' W, 1545 m.
Chuquisaca, 32 km SE Padilla, 19° 32.2' S, 64° 07.9' W, 1334 m.

Results

LIST OF NEW SPECIES FOR BOLIVIA

Postplatyptilia alexisi Gielis, 1991

Postplatyptilia alexisi Gielis, 1991: 49. Type locality: Chile.

Material: 1 ♂, 1 ♀, Coripata, 4-I-2010, V. & S. Sinyaev, A. Zamesov leg.

Distribution: Chile, Bolivia.

Postplatyptilia corticus Gielis, 2006

Postplatyptilia corticus Gielis, 2006: 115. Type locality: Venezuela.

Material: 1 ♀, Monteagudo, 24-XII-2009, V. & S. Sinyaev, A. Zamesov leg.

Distribution: Venezuela, Bolivia.

Postplatyptilia saeva (Meyrick, 1930)

Platyptilia saeva Meyrick, 1930: 566. Type locality: Peru.

Material: 1 ♂, La Higuera, 19-20-XII-2009, V. & S. Sinyaev, A. Zamesov leg.

Distribution: Peru, Ecuador, Bolivia.

Michaelophorus indentatus (Meyrick, 1930)

Oxyptilus indentatus Meyrick, 1930: 564. Type locality: Texas, USA.

Material: 1 ♀, Lagunillas, 17-XII-2009; 1 ♂, 2 ♀♀, 32 km SE Padilla, 21-XII-2009; 1 ♀, 29.5 km SE Padilla, 22-XII-2009; 1 ♀, Tatarenda, 27-XII-2009, V. & S. Sinyaev, A. Zamesov leg.

Distribution: USA, Mexico, Costa Rica, Brazil, Bolivia.

Hellinsia argutus (Meyrick, 1926)

Pterophorus argutus Meyrick, 1926: 299. Type locality: Colombia.

Pterophorus chionophanes Meyrick, 1930: 569. Type locality: Peru.

Oidaematophorus chionoptyla Fletcher, 1940: 83. Type locality: Colombia.

Material: 2 ♂♂, San Pedrito, 10-12-X-2010; 1 ♂, 2 ♀♀, Corani, 14-18-X-2010; 1 ♀, Amboro, 3-4-XI-2010, V. Sinyaev & O. Romanov leg.

Distribution: Colombia, Ecuador, Peru, Bolivia.

Hellinsia calais (Meyrick, 1930)

Pterophorus calais Meyrick, 1930: 570. Type locality: Brazil.

Material: 1 ♂, Comarapa, 18-I-2010, V. & S. Sinyaev & A. Zamesov legs.

Distribution: Brazil, Costa Rica, Bolivia.

Hellinsia oxyntes (Meyrick, 1908)

Pterophorus oxyntes Meyrick, 1908: 498. Type locality: Brazil.

SPECIES LIST OF PTEROPHORIDAE OF BOLIVIA

Material: 1 ♂, Valle Grande, 18-XII-2009; 1 ♀, La Higuera, 19-20-XII-2009; 1 ♂, Comarapa, 18-I-2010, V. & S. Sinyaev, A. Zamesov leg.; 1 ♂, Amboro, 3-4-XI-2010, V. Sinyaev & O. Romanov leg.
Distribution: Brazil, Bolivia.

Hellinsia paraglochinas Gielis, 1996

Hellinsia paraglochinas Gielis, 1996: 100. Type locality: Peru.

Material: 1 ♀, Coripata, 4-I-2010; 2 ♂♂, 1 ♀, Cotapata, 6-7-I-2010, V. & S. Sinyaev, A. Zamesov leg.; 1 ♂, 3 ♀♀, Corani, 14-18-X-2010, V. Sinyaev, O. Romanov leg.

Distribution: Peru, Ecuador, Bolivia.

Hellinsia praenigratus (Meyrick, 1921)

Pterophorus praenigratus Meyrick, 1921: 421. Type locality: Peru.

Material: 1 ♂, La Higuera, 19-20-XII-2009; 2 ♂♂, Illimani, 11-I-2010, V. & S. Sinyaev, A. Zamesov leg.; 1 ♂, Tunari, 10-12-X-2010; 1 ♂, Corani, 14-18-X-2010, V. Sinyaev, O. Romanov leg.

Distribution: Peru, Argentina, Bolivia.

CHECKLIST OF PTEROPHORIDAE OF BOLIVIA

Melanoptilia arsenica (Meyrick, 1921)

Platyptilia anniei Gielis, 1997

Platyptilia thyellopa Meyrick, 1926

Stenoptilia tenuis (Felder & Rogenhofer, 1875)

Stenoptilodes brevipennis (Zeller, 1874)

Stenoptilodes taprobanes (Felder & Rogenhofer, 1875)

Postplatyptilia aestuosa (Meyrick, 1916)

**Postplatyptilia alexisi* Gielis, 1991

**Postplatyptilia corticus* Gielis, 2006

**Postplatyptilia saeva* (Meyrick, 1930)

Postplatyptilia sandraella Gielis, 1996

Postplatyptilia zongoensis Gielis, 2006

Stockophorus charitopa (Meyrick, 1908)

Lioptilodes albistriolatus (Zeller, 1871)

Lioptilodes ockendeni Gielis, 1996

Lioptilodes limbani Gielis, 1996

Lioptilodes yungas Gielis, 2006

Michaelophorus dentiger (Meyrick, 1916)

**Michaelophorus indentatus* (Meyrick, 1930)

Sphenarches nanellus (Walker, 1864)

Exelastis pumilio (Zeller, 1873)

**Hellinsia argutus* (Meyrick, 1926)

Hellinsia boliviana Gielis, 2013

**Hellinsia calais* (Meyrick, 1930)

Hellinsia cervicalis (Meyrick, 1932)

Hellinsia forsteri Gielis, 2013

Hellinsia glaphyrotus (Meyrick, 1908)

Hellinsia grandaevus (Meyrick, 1931)

Hellinsia obscuricilia Arenberger & Wojtusiak, 2001

**Hellinsia oxyntes* (Meyrick, 1908)

**Hellinsia paraglochinas* Gielis, 1996

Hellinsia pelodactylus (Berg, 1885)

**Hellinsia praenigratus* (Meyrick, 1921)

Hellinsia spiculibursa Gielis, 1996
Emmelina buscki Barnes & Lindsey, 1921
Adaina everdinae Gielis, 1991
Adaina quieta Gielis, 2012
Adaina santacruzae Gielis, 2013
Adaina simplicius (Grossbeck, 1917)
Adaina zephyria Barnes & Lindsey, 1921
Singularia sinjaevi Kovtunovich & Ustjuzhanin, 2016

Discussion

As a result of our partial examination of the specimens from Bolivia, we have discovered 41 species, 9 of which are indicated as new for the fauna of the country. There is no doubt that further examination of Pterophoridae from this region will provide many other new species which are still unknown for Bolivia.

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