

ON THE FAUNA OF PTEROPHORIDAE (LEPIDOPTERA, PTEROPHORIDAE HÜBNER) OF SWAZILAND

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[Ковтунович В.Н., Устюжанин П.Я. К фауне пальцекрылок (Lepidoptera, Pterophoridae Hübner) Свазилэнда]

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Ключевые слова: *Lepidoptera*, *Pterophoridae*, *пальцекрылки*, *Свазилэнд*, *новая комбинация*, *новый статус*, *новые находки*

Summary. The data on the fauna of Pterophoridae of Swaziland is presented for the first time. 32 Pterophoridae species (26 from which are unknown in the country) are reported. The species status of *Marasmarcha verax* (Meyrick, 1909) is restored, a new combination for *Walsinghamiella orichalcias* (Meyrick, 1916) **comb.n.** is determined.

Резюме. Впервые приводятся сведения по фауне пальцекрылок Свазилэнда. Всего выявлено 32 вида Pterophoridae, 26 из которых ранее не были известны для страны. Восстановлен статус вида *Marasmarcha verax* (Meyrick, 1909), установлена новая комбинация для *Walsinghamiella orichalcias* (Meyrick, 1916) **comb.n.**

INTRODUCTION

No special research on the Pterophoridae of Swaziland has been done till the present moment. In the catalogue of Pterophoridae of the world fauna [Gielis, 2003] only five species were reported for Swaziland: *Sphenarches anisodactylus* Walker, 1864, *Exelastis atomosa* Walsingham, 1885, *Exelastis pumilio* Zeller, 1873, *Stenodacma wahlbergi* Zeller, 1852, *Megalorhipida leucodactylus* Fabricius, 1794. From 2009 to 2011 the members of the Russian expedition to South Africa visited Swaziland three times with the aim to investigate the Pterophoridae fauna. As a result, we collected a significant material which is in general presented in this article. In addition to our own collections we used the materials of DNMNH (Ditsong National Museum of Natural History, the former TM, Pretoria) and the collections of our Italian colleague, Dr. Graziano Bassi.

LOCATIONS

Malagwane Hill – S. Africa, Swaziland, Mbabane, Malagwane Hill.

Malolotja N.R. – S. Africa, Swaziland, Malolotja N.R., S 26°08' E 31°08', h 1530 m.

Mlawula N.R. – S. Africa, Swaziland, Mlawula N.R., S 26°12' E 32°00', h 150 m.

Mpisi – S. Africa, Swaziland, between the towns of Mafutseni and Luve.

Nisela Game Reserve – S. Africa, Swaziland, Nisela

Game Reserve, S 26°59' E 31°57', h 190 m.

TAXONOMY

Agdistis linnaei Gielis, 2008

Agdistis linnaei Gielis, 2008: 44. (Type locality: Kenya).

Material: Mlawula, 14-15.10.2009 – 1♂, V. Kovtunovich & P. Ustjuzhanin.

Distribution: Kenya, Tanzania, Rep. South Africa, Swaziland.

Notes: New for Swaziland.

Agdistis varii Kovtunovich & Ustjuzhanin, 2009

Agdistis varii Kovtunovich & Ustjuzhanin, 2009: 40. (Type locality: Northern Province, Rep. South Africa).

Material: Mlawula, 14-15.10.2009 – 7♂♂, 4♀♀, V. Kovtunovich & P. Ustjuzhanin.

Distribution: Rep. South Africa, Swaziland.

Notes: New for Swaziland.

Agdistis toliarensis Bigot, 1987

Agdistis toliarensis Bigot, 1987: 360. (Type locality: Madagascar).

Material: Mlawula, 14-15.10.2009 – 1♂, 1♀; Nisela, 6.10.2009 – 1♂, V. Kovtunovich & P. Ustjuzhanin.

Distribution: Madagascar, Swaziland.

Notes: New for Swaziland.

Titanoptilus stenodactylus (Fletcher, 1911)

Oxyptilus stenodactylus Fletcher, 1911: 282. (Type locality: Mashonaland, Zimbabwe).

Titanoptilus patellatus Meyrick, 1913: 109. (Type locality: Durban, Natal, S. Africa).

- Titanoptilus laniger* Bigot, 1969: 183. (Type locality: Elizabethville, Zaire).
- Macrotinactis stenodactylus* (Fletcher, 1911), Gielis, 2003:23.
Material: Nisela Game Reserve, 16.10.2009 – 1♂, leg. V. Kovtunovich & P. Ustjuzhanin.
Distribution: Zimbabwe, Rep. South Africa, Congo, Tanzania, Comoros, Swaziland.
Notes: New for Swaziland.
- Walsinghamiella orichalcias*** (Meyrick, 1916) **comb. n.**
Oxyptilus orichalcias Meyrick, 1916: 557. (Type locality: Mt. Mulanje, S. Malawi).
Material: Mpisi, 15.03.1995 – 2♂♂, 2♀♀, N.J. Duke.
Distribution: Malawi, Swaziland.
Notes: During the study of the type material in BMNH (London) the affiliation of this species to the genus *Walsinghamiella* Berg, 1898 became obvious. New for Swaziland.
- Walsinghamiella prolai*** (Gibeaux, 1994)
Titanoptilus prolai Gibeaux, 1994: 82. (Type locality: Comoros)
Material: Malolotja, 07.12.2011 – 1♀, V. Kovtunovich & P. Ustjuzhanin.
Distribution: Comoros, Rep. South Africa, Zimbabwe, Swaziland.
Notes: New for Swaziland.
- Platyptilia longalis*** (Walker, 1864)
Pterophorus longalis Walker, 1864: 943. (Type locality: South Africa).
Stenoptilia longalis (Walker, 1864), Gielis 2003: 40.
Material: Malolotja, 30.11.1992 – 1♂, 18.09.1993 – 1♂, N.J. Duke.
Distribution: Rep. South Africa, Swaziland.
Notes: New for Swaziland.
- Platyptilia sabius*** (Felder, Rogenhofer, 1875)
Mimeseoptilus sabius Felder, Rogenhofer, 1875: pl. 140, fig. 60. (Type locality: South Africa).
Material: Malolotja, 07.12.2011 – 1♂, V. Kovtunovich & P. Ustjuzhanin.
Distribution: Rep. South Africa, Congo, Tanzania, Ethiopia, Swaziland.
Notes: New for Swaziland.
- Platyptilia farfarella*** Zeller, 1867
Platyptilus farfarellus Zeller, 1867: 334. (Type locality: Miedzyrzecz, Poland).
Platyptilia molopias Meyrick, 1906: 135. (Type locality: Sri Lanka).
Platyptilia petila Yano, 1963: 851. (Type locality: Solomon Islands).
Material: Malolotja, 07.12.2011 – 2♂♂, 1♀, V. Kovtunovich & P. Ustjuzhanin.
Distribution: Rep. South Africa, Madagascar, Mauritius, Uganda, Kenya, Tanzania, San Tome Isl., Nigeria, Sri Lanka, Indonesia, Philippines, Swaziland.
Notes: New for Swaziland.
- Stenoptilia johnistella*** Ustjuzhanin & Kovtunovich, 2010
Stenoptilia johnistella Ustjuzhanin & Kovtunovich, 2010: 694. (Type locality: Cumberland N.R., Kwa-Zulu-Natal, Rep. South Africa).
Material: Malolotja, 07.12.2011 – 1♂, 1♀, V. Kovtunovich & P. Ustjuzhanin.
Distribution: Rep. South Africa, Swaziland.
Notes: New for Swaziland.
- Stenoptilodes taprobanes*** (Felder & Rogenhofer, 1875)
Amblyptilia taprobanes Felder & Rogenhofer, 1875: Pl. 140, fig. 54. (Type locality: Sri Lanka).
Platyptilia brachymorpha Meyrick, 1888: 240 (Type locality: India).
Platyptilia seeboldi Hofmann, 1898: 33 (Type locality: Syria).
Platyptilia terlizzii Turati, 1926: 67 (Type locality: Libya).
Amblyptilia zavatterii Hartig, 1953: 67 (Type locality: Italy).
Platyptilia legrandi Bigot, 1962b: 86 (Type locality: Seychelles).
Stenoptilodes vittata Service, 1966: 11 (Type locality: Nigeria).
Material: Malolotja, 07.12.2011 – 1♂; Nisela Game Reserve, 16.10.2009 – 1♂, leg. V. Kovtunovich & P. Ustjuzhanin.
Distribution: Everywhere in tropical and subtropical regions.
- Stenodacma wahlbergi*** (Zeller, 1851)
Pterophorus wahlbergi Zeller, 1851: 346 (Type locality: S. Africa).
Pterophorus rutilalis Walker, 1864: 943 (Type locality: “Port Natal”, S. Africa).
Oxyptilus rutilans Wollaston, 1879: 441 (Type locality: St. Helena Isl.).
Stenodacma iranella Amsel, 1959: 30 (Type locality: Iran).
Material: Malolotja, 07.12.2011 – 4♂♂, 1♀, V. Kovtunovich & P. Ustjuzhanin.
Distribution: Rep. South Africa, Cameroon, Swaziland, Zimbabwe, Tanzania, Kenya, Madagascar, Comoros, Reunion Isl., Rodriguez Isl, Mauritius, Seychelles, St. Helena Isl., Saudi Arabia, Iran, Pakistan.
- Pseudoxypetilus secutor*** (Meyrick, 1911)
Oxyptilus secutor Meyrick, 1911: 218. (Type locality: Pretoria, S. Africa).
Oxyptilus variegatus Meyrick, 1920: 274. (Type locality: Cape Town, S. Africa).
Material: Malolotja, 07.12.2011 – 1♂, 1♀, V. Kovtunovich & P. Ustjuzhanin.
Distribution: Rep. South Africa, Swaziland.
Notes: New for Swaziland.
- Megalorhipida leucodactylus*** (Fabricius, 1794)
Pterophorus defectalis Walker, 1864: 943. (Type locality: Sierra Leone).

- Material:** Mlawula, 14-15.10.2009 – 4♂♂, 3♀♀, V. Kovtunovich & P. Ustjuzhanin.
Distribution: Cosmopolitan.
- Megalorhipida leptomerus*** (Meyrick, 1886)
Megalorhipida leptomerus Meyrick, 1886: 15. - (Type locality: Reunion Island).
Material: Mlawula, 14-15.10.2009 – 27 ex., 24 -25.11.2010 – 1♀; Nisela Game Reserve, 16.10.2009 – 1♂, leg. V. Kovtunovich & P. Ustjuzhanin.V.
Distribution: Reunion Island, Rep. South Africa, Tanzania, Kenya, Zaire, Seychelles, Madagascar, Yemen, Oman, Swaziland.
Notes: New for Swaziland.
- Megalorhipida vivax*** (Meyrick, 1909)
Trichoptilus vivax Meyrick, 1909: 1 (Type locality: Pretoria, Rep. South Africa).
Material: Malolotja, 07.12.2011 – 1♀, V. Kovtunovich & P. Ustjuzhanin.
Distribution: Rep. South Africa, The Gambia, Malawi, Swaziland.
Notes: New for Swaziland.
- Megalorhipida subtilis*** (Rebel, 1907)
Trichoptilus subtilis Rebel, 1907: 114 (Type locality: Jemen).
Trichoptilus maceratus, Meyrick, 1909: 2 (Type locality: Rietfontein, Rep. South Africa).
Material: Mlawula, 24-25.11.2010 – 1♂, Kovtunovich & A. Sochivko.
Distribution: Jemen, Socotra, Rep. South Africa, Malawi, Swaziland.
Notes: New for Swaziland.
- Megalorhipida prolai*** Gibeaux, 1994
Megalorhipida prolai Gibeaux, 1994: 93. (Type locality: comoros)
Material: Mlawula, 24-25.11.2010 – 3♂♂, Kovtunovich & A. Sochivko.
Distribution: comoros, Madagascar, Zambia, Mozambique, Swaziland.
Notes: New for Swaziland.
- Xyroptilia zambesi*** Kovtunovich & Ustjuzhanin, 2006
Xyroptilia zambesi Kovtunovich & Ustjuzhanin, 2006: 261. (Type locality: Zimbabwe)
Material: Mlawula, 24-25.11.2010 – 1♀, Kovtunovich & A. Sochivko.
Distribution: Zimbabwe, Swaziland.
Notes: New for Swaziland.
- Eucapperia bullifera*** (Meyrick, 1918)
Platyptilia bullifera Meyrick, 1918: 1. (Type locality: Eshowe, Natal, S. Africa).
Lantanophaga longiductus Gibeaux, 1992: 105. (Type locality: Madagascar).
Eucapperia longiductus (Gibeaux, 1992).
Eucapperia continentalis Gielis, 2008: 48. (Type locality: Iringa, Tanzania).
- Material:** Malagwane Hill, Mbabane, 25.09.1990 – 1♂, N.J. Duke.
Distribution: Rep. S. Africa, Tanzania, Madagascar.
Notes: New for Swaziland.
- Marasmarcha bonaespei*** (Walsingham, 1881)
Lioptilus bonaespei Walsingham, 1881: 281. (Type locality: S. Africa).
Marasmarcha bonaespei (Walsingham, 1881), [Gielis, 2003].
Material: Mlawula, 24-25.11.2010 – 2♂♂, Kovtunovich & A. Sochivko, 6.12.2011 – 1♂; Malolotja, 07.12.2011 – 10 ex., V. Kovtunovich & P. Ustjuzhanin.
Distribution: Rep. South Africa, Namibia, Swaziland.
Notes: New for Swaziland.
- Marasmarcha verax*** (Meyrick, 1909) **bona sp.**
Pterophorus verax Meyrick, 1909: 3. (Type locality: Rep. S. Africa).
Material: Malolotja, 07.12.2011 – 1♀, V. Kovtunovich & P. Ustjuzhanin; 4.12.2011 – 9 ex., G. Bassi.
Distribution: Rep. South Africa, Swaziland.
Notes: This species was incorrectly reduced to a synonym for *Marasmarcha bonaespei* (Walsingham, 1881) [Ustjuzhanin & Kovtunovich, 2010]. A detailed study of the additional material allowed to clarify the status of this species. New for Swaziland.
- Exelastis crepuscularis*** (Meyrick, 1909)
Pterophorus crepuscularis Meyrick, 1909: 4. (Type locality: Warmberg, Northern Cape, Rep. S. Africa).
Material: Malolotja, 07.12.2011 – 1♂, 1♀, V. Kovtunovich & P. Ustjuzhanin.
Distribution: Rep. South Africa, Swaziland.
Notes: New for Swaziland.
- Exelastis vuattouxi*** Bigot, 1970
Exelastis vuattouxi Bigot, 1970: 761. (Type locality: Cot d'Ivoire).
Material: Malolotja, 07.12.2011 – 2♂♂, 1♀, V. Kovtunovich & P. Ustjuzhanin.
Distribution: Cot d' Ivoire, Rep. South Africa, Nigeria, Swaziland.
Notes: New for Swaziland.
- Exelastis montischristi*** (Walsingham, 1897)
Pterophorus montischristi Walsingham, 1897: 59. (Type locality: Dominica).
Pterophorus cervinicolor Barnes, McDunnough, 1913: 185. (Type locality: Florida, USA).
Material: Mlawula, 14-15.10.2009 – 2♂♂, V. Kovtunovich & P. Ustjuzhanin, 24-25.11.2010 – 1♂, V. Kovtunovich & A. Sochivko.
Distribution: Rep. South Africa, Tanzania, U.S.A, Virgin Islands, Martinique, Grenada, Jamaica, Puerto Rico, Galapagos Islands, Swaziland.
Notes: New for Swaziland.
- Hellinsia pacifica*** (Meyrick, 1911)
Marasmarcha pacifica Meyrick, 1911: 220 (Type lo-

cality: Moorddrift, Limpopo, Rep. South Africa).
Pterophorus ambitiosus Meyrick, 1911: 220 (Type locality: Pretoria, Rep. South Africa).

Material: Malolotja, 07.12.2011 – 1♂, 1♀, V. Kovtunovich & P. Ustjuzhanin.

Distribution: Rep. South Africa, Swaziland.

Notes: New for Swaziland.

Hellinsia purus (Meyrick, 1913)

Pterophorus purus Meyrick, 1913: 268. (Type locality: Barberton, Mpumalanga, Rep. South Africa).

Material: Mlawula, 06.12.2011 – 1♂, V. Kovtunovich & P. Ustjuzhanin.

Distribution: Rep. S. Africa, Swaziland.

Notes: New for Swaziland.

Gypsochares astragalotes (Meyrick, 1909)

Pselnophorus astragalotes Meyrick, 1909: 366. (Type locality: Glanwilliam, Cape Prov., S. Africa).

Material: Malolotja, 07.12.2011 – 2♂♂, V. Kovtunovich & P. Ustjuzhanin.

Distribution: Rep. South Africa, Swaziland.

Notes: New for Swaziland.

Cosmoclostis brachybela Fletcher, 1947

Cosmoclostis brachybela Fletcher, 1947: 44. (Type locality: Barberton, Mpumalanga, Rep. South Africa).

Material: Mlawula, 14-15.10.2009 – 12 ex., V. Kovtunovich & P. Ustjuzhanin

Distribution: Rep. South Africa, Swaziland.

Notes: New for Swaziland.

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