

## ON THE FAUNA OF PLUME MOTHS (LEPIDOPTERA, PTEROPHORIDAE) OF ZIMBABWE

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

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**Summary.** The list of Zimbabwean Pterophoridae includes 56 species, with 48 species first recorded from Zimbabwe. The descriptions of 2 new species are given: *Walsinghamiella selinda* Ustjuzhanin & Kovtunovich **sp. nov.** and *Platyptilia swynnertoni* Ustjuzhanin & Kovtunovich **sp. nov.** New synonyms are established for 4 species: *Platyptilia periacta* Meyrick, 1910, **syn. nov.**, junior synonym to *Platyptila farfarella* Zeller, 1867; *Platyptilia claripicta* Fletcher, 1910, **syn. nov.**, junior synonym to *Platyptila farfarella* Zeller, 1867; *Marasmarcha pavidus* (Meyrick, 1908), **syn. nov.**, junior synonym to *Marasmarcha bonaespei* (Walsingham, 1881); *Hellinsia purus* (Meyrick, 1913), **syn. nov.**, junior synonym to *Crassuncus pacifica* (Meyrick, 1911). New combinations are given for 3 species: *Procapperia insomnia* (Townsend, 1956) **comb. nov.**; *Marasmarcha locharcha* (Meyrick, 1924) **comb. nov.**; *Crassuncus pacifica* (Meyrick, 1911) **comb. nov.**

**Резюме.** Приводится обзор видов Pterophoridae Зимбабве. Выявлено 56 видов, 2 вида описываются как новые для науки: *Walsinghamiella selinda* Ustjuzhanin & Kovtunovich **sp. nov.** и *Platyptilia swynnertoni* Ustjuzhanin & Kovtunovich **sp. nov.** Для 4 видов установлены новые синонимы: *Platyptilia periacta* Meyrick, 1910, **syn. nov.**, младший синоним для *Platyptila farfarella* Zeller, 1867, *Platyptilia claripicta* Fletcher, 1910, **syn. nov.**, младший синоним для *Platyptila farfarella* Zeller, 1867, *Marasmarcha pavidus* (Meyrick, 1908), **syn. nov.**, младший синоним для *Marasmarcha bonaespei* (Walsingham, 1881), *Hellinsia purus* (Meyrick, 1913), **syn. nov.**, младший синоним для *Crassuncus pacifica* (Meyrick, 1911). Для 3 видов установлены новые комбинации: *Procapperia insomnia* (Townsend, 1956) **comb. nov.**; *Marasmarcha locharcha* (Meyrick, 1924) **comb. nov.**; *Crassuncus pacifica* (Meyrick, 1911) **comb. nov.** 48 видов приводятся впервые для фауны Зимбабве.

## INTRODUCTION

No special research on the Pterophoridae of Zimbabwe has been done hitherto. Five species of Pterophoridae were reported for Zimbabwe in the catalogue of the world fauna [Gielis, 2003], and three more species were added recently [Ustjuzhanin, Kovtunovich, 2010; Kovtunovich & Ustjuzhanin 2012] new species.

From 2010 to 2012 three field trips were done to Zimbabwe by the members of Russian expedition to South Africa with the aim to investigate the Pterophoridae fauna. As a result, they 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, Pretoria), British museum (BMNH, London) and the collections of our German colleague, Jurgen Lenz, who lived and worked in Zimbabwe for years.

The list of Zimbabwean Pterophoridae contains at present 56 species. There is no doubt that Pterophori-

dae fauna of Zimbabwe is much richer, with 20-25 species expected. Many areas of the country, mostly at the west, are practically unexplored.

**Abbreviations:**

**BMNH** – British Museum (Natural History), London, U.K.

**DNMNH** – Ditsong National Museum of Natural History (former Transvaal Museum), Pretoria, RSA.

**CUK** – Collection of P. Ustjuzhanin and V. Kovtunovich, Novosibirsk, Moscow, Russia.

**Locations:**

Aberfoyle – Manicaland Prov., Rain Forest, 18°17'66,5"S 32°58'10,1"E, h – 840 m;

Bunga Forest – Manicaland Prov., Bvumbe/Bunga Forest, 19°07'14"S 32°46'10"E, h – 1650 m;

Bvumba – Manicaland Prov., Bvumba, Seldomseen Holiday cottages, 19°06'14"S 32°45'17"E, h – 1580 m;

Darwendale – Mashonaland West Prov., 62 km west of Harare;

Goromonzi – Mashonaland Prov., Goromonzi, Miom-

bo, 17°53'40"S 31°196'13"E, h – 1588 m;  
 Great Dyke – 20 km S Banket, Great Dyke, 17°32'22"S 30°35'34"E, h – 1480 m;  
 Harare (Salisbury) – Capital of Zimbabwe, Mashonaland East, 17°51'50"S, 31°01'47" E, h – 1490 m;  
 Kyle – 35 km SE Masvingo, Kyle Recreational Park, 20°13'11"S 31°00'15"E, h – 1050 m;  
 Kwaraguza – Manicaland Prov., Nyanga District, 18°13'344"S 32°49'677"E, h – 2150 m;  
 Lundi – Matabeleland South Prov., Nuanetsi District, 20° 53' 58S, 30° 47' 10E, h – 538 m;  
 Marondera – Mashonaland East Prov., 12 km E Marondera, Gosho Park, 18°10'14"S 31°37'40"E, h – 1635 m;  
 Mazowe – Mashonaland, 17°31'S 30°58'E, h – 1 217 m;  
 Mushandike – 30 km W Moswingo, Mushandike Sanctuary, 20°08'00"S 30°37'00E, h – 940 m;  
 Mutare (Umtali) – Manicaland Prov., 18°58'S 32°38'E, h – 1120 m;  
 Selinda – Manicaland Prov., Selinda Mt., Chirinda Forest, 20°24'36"S 32°41'57"E, h – 1150 m;  
 Victoria – Matabeleland North Prov., Victoria falls camp, 17°56'S 25°50'E;  
 Vukutu – Manicaland Prov., Vukutu, 18°21'52"S 32°36'29"E, h – 1900 m;  
 Vumba – 25 km SE Mutare. 19°06'00"S 32°47'00"E, h – 1911 m.

## TAXONOMY

*Agdistis malitiosa* Meyrick, 1909.

*Agdistis malitiosa* Meyrick, 1909: 4. (Type locality: Pretoria, Rep. S. Africa).

**Material:** Vukutu, 01-03.12.2010 – 9 ex., Ustjuzhanin P. & Kovtunovich V.

**Distribution:** Rep. S. Africa, Lesotho, Ethiopia, Kenya, Tanzania, Uganda, Kongo, Rwanda, Zimbabwe.

**Notes:** New for Zimbabwe.

*Agdistis pustulalis* Walker, 1864.

*Agdistis pustulalis* Walker, 1864: 927. (Type locality: KwaZulu-Natal Prov., Rep. S. Africa)

**Distribution:** Rep. S. Africa, Lesotho, Namibia, Mozambique, Zimbabwe, Zambia, Malawi.

*Deuterocopus socotranus* Rebel, 1907.

*Deuterocopus socotranus* Rebel, 1907: 115. (Type locality: Yemen, Sokotra Island).

Yano, 1962: 101.

*Deuterocopus viticola* Meyrick, 1911: 104. (Type locality: Sri Lanka).

*Deuterocopus triannulatus* Meyrick, 1913: 107. (Type locality: Australia).

**Material:** Great Dyke, 05.01.2011 – 7 ex.; Kyle, 09.01.2011 – 3 ex., Selinda, 07-08.01.2011 – 1 ♂, Kovtunovich V. & Ustjuzhanin P.; Mushandike, 08.01.2012 – 4 ex., Vukutu, 17.12.2011 – 1 ex., Kovtunovich V.

**Distribution:** Yemen, Rep. S. Africa, Somalia, Zimbabwe, Oman, Japan, India, Sri Lanka, Thailand, Taiwan, Burma, Indonesia, New Guinea, Australia.

**Notes:** New for Zimbabwe.

*Walsinghamiella orichalcias* (Meyrick, 1916).

*Oxyptilus orichalcias* Meyrick, 1916: 557. (Type locality: Mt. Mulanje, S. Malawi).

**Material:** Bunga Forest, 04-05.12.2010 – 1 ♂, Ustjuzhanin P. & Kovtunovich V.

**Distribution:** Malawi, Swaziland, Zimbabwe.

**Notes:** New for Zimbabwe.

*Walsinghamiella prolai* (Gibeaux, 1994).

*Titanoptilus prolai* Gibeaux, 1994: 82. (Type locality: Comoros).

**Material:** Bunga Forest, 04-05.12.2010 – 80 ex., Ustjuzhanin P. & Kovtunovich V.

**Distribution:** Comoros, Rep. S. Africa, Zimbabwe, Swaziland.

*Walsinghamiella selinda* Ustjuzhanin & Kovtunovich sp. nov.

**Material:** – **Holotype**, female, (TM, Gen.slide № 14674), [Zimbabwe] Mt. Selinda, 9-17.06.1956, L. Vari.

**External characters.** Forewing length: 12 mm. Head, thorax, and tegulae are dark brown. Labial palps brown, two times bigger than eye diameter, directed forward. Fore wings brown with whitish spots and bands, outer edge of second blade concave. Fringe inside the cleft and over the rear edge of forewing with alternating sections of light and darker brown. Hind wings monochrome, light brown. Third blade with a tuft of brown scales on top, outer scales two times longer than inner ones. Hind legs brown, with tufts of thick brown scales at the bases of spurs (col. pl. II: 1). **Female genitalia.** Anal papillae oblong with narrow tips. Posterior apophyses are long, thin, slightly curved at tops. Antrum tube-like, about equal width throughout, three times shorter than ductus. Ductus thin, long, slightly sclerotized. Copulatory pouch pyriform, with two rodlike signa (col. pl. II: 2).

**Diagnosis.** In female genitalia, by the shape of antrum resembles *Walsinghamiella niniella* Gielis, 2011, differing clearly by the shape of signa, by longer ductus and also by external morphology of imago.

**Distribution:** Zimbabwe.

*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:** Vukutu, 27.01.2011 – 1 ♂, J. Lenz.

**Distribution:** Zimbabwe, Rep. S. Africa, Congo, Tanzania, Comoros, Swaziland, Kenya.

*Platyptilia farfarella* Zeller, 1867.

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

*Platyptilia molopias* Meyrick, 1906: 135. (Type locality: Sri Lanka).

*Platyptilia petila* Yano, 1963: 851. (Type locality: Solomon Islands).

*Platyptilia periacta* Meyrick, 1910: 411 (Type locality: Cape Town, S. Africa) **syn. nov.**

*Platyptilia claripicta* Fletcher, 1910: 400. (Type locality: Seychelles) **syn. nov.**

**Distribution:** All of Europe, most of Asia, Sri Lanka, Indonesia, Philippines. Rep. S. Africa, Zimbabwe, Swaziland, Madagascar, Mauritius, Uganda, Kenya, Tanzania, San Tome Isl., Nigeria.

**Material:** Harare, 13.10.1997 – 1 ♂, D. Agassiz; Kwaraguza, 10.12.2006 – 1 ♂, J. Lenz; Bunga Forest, 04-07.10.2010 – 1 ♂, Goromonzi, 26.02.2011 – 1 ♂, J. Lenz.; Vukutu, 25-26.04.2011 – 1 ♀, Ustjuzhanin P. & Kovtunovich V.

**Notes:** After detailed comparison of *Platyptilia periacta* Meyrick and *Platyptilia claripicta* Fletcher to *Platyptilia farfarella* Zeller, we came to conclusion that both of these species are junior synonyms to *Platyptilia farfarella* Zeller.

New for Zimbabwe.

*Platyptilia sabia* (Felder & Rogenhofer, 1875).

*Mimeseoptilus sabius* Felder & Rogenhofer, 1875: pl. 140, fig. 60. (Type locality: S. Africa).

**Material:** Vukutu, 01-03.12.2010 – 1 ♂, 2 ♀, 16-17.12.2011 – 4 ex., Ustjuzhanin P. & Kovtunovich V., 12.11.2009 – 1 ♀, J. Lenz.

**Distribution:** Rep. S. Africa, Lesotho, Zimbabwe, Congo, Tanzania, Ethiopia, Swaziland.

**Notes:** New for Zimbabwe.

*Platyptilia swynnertoni* Ustjuzhanin & Kovtunovich sp. nov.

**Material:** – **Holotype**, female, (BMNH №. 22702), Zimbabwe, Manicaland Prov., Vukutu, 18°21'S 32°36'E, h 1900 m, 25-26.04.2011, leg. Kovtunovich V. & Ustjuzhanin P.

**Paratype** – 1 ♂, (BMNH №. 22702), ibidem; Kwaraguza, 10.12.2006 – 3 ♂, 2 ♀, 20.10.2009 – 6 ex., 17.11.2009 – 14 ex., 6.01.2010 – 1 ♂, 6.11.2010 – 11 ex., Aberfoyle, 28.09.2010 – 1 ♂, J. Lenz; Vukutu, 25-26.04.2011 – 8 ex., Ustjuzhanin P. & Kovtunovich V. Other paratypes are stored in the collections: BMNH, DNMNH, CUK.

**External characters.** Holotype fore wing length 8 mm. Wingspan 17-21 mm, in holotype – 17 mm. Head, thorax and tegulae light gray. Labial palps straight, pointed to the top, brownish with lightened

upper side. They are 2 times longer than diameter of eye. Antennae thin, brown. Fore wings monochrome ash-gray. Apices of first and second blades noticeably lightened by white scales; pale band can be traced from the base of fork to costal edge. Costal triangle missing. Oblong dark brown spot present before the fork. Hind wings monochrome ash-gray. Legs light gray (col. pl. II: 3).

**Male genitalia.** Valvae of about equal width throughout, with a small cut at top. Uncus simple, narrowing to apex. Anellus branches wide, without additional sprouts, narrowing to apex. Saccus with protruding outer edge and a deep narrow cut at inner edge. Aedeagus arcuate. Basal process of aedeagus long, perpendicular to caecum (col. pl. II: 4).

**Female genitalia.** Anal papillae narrow. Posterior apophyses rather thick, long, slightly curved and broadened towards the ends. Vaginal plates as two separated ovals. Anterior apophyses long. Antrum rather long, conical. Ductus long, evenly originates from antrum, sclerotized, narrower and weaker sclerotized before entrance into bursa. Bursa large, rounded, with two narrow tapered signas (col. pl. II: 5).

**Diagnosis.** By external morphology and structure of genitalia the new species is very close to *Platyptilia bowkery* Kovtunovich & Ustjuzhanin. They are clearly differing only by female genitalia: the new species has long, conical antrum, while *Platyptilia bowkery* has short, cup-shaped one.

*Amblyptilia direptalis* (Walker, 1864).

*Oxyptilus direptalis* Walker, 1864: 934. (Type locality: Cape Prov., S. Africa).

**Material:** Harare, 16.11.2012 – 1 ex., R. Butler.

**Distribution:** Rep. S. Africa, Malawi, Zimbabwe.

**Notes:** New for Zimbabwe.

*Bipunctiphorus dimorpha* (Fletcher, 1910).

*Platyptilia dimorpha* Fletcher, 1910: 401 (Type locality: Seychelles).

*Platyptilia patriarcha* Meyrick, 1912: 54. (Type locality: Mfongosi, Natal, S. Africa).

*Bipunctiphorus etiennei* Gibeaux, 1994: 57- 58, fig.50. (Type locality: Reunion Isl.).

**Material:** Selinda, 07-08.01.2011 – 3 ex.; Bvumba, 12-14.04.2011 – 1 ex. Kovtunovich V. & Ustjuzhanin P.

**Distribution:** Seychelles, Rep. S. Africa, Reunion Isl., Zimbabwe.

*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 seboldi* 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, 1962: 86. (Type locality: Seychelles).
- Stenoptilodes vittata* Service, 1966: 11. (Type locality: Nigeria).
- Material:** Kyle, 09.01.2011 – 5 ex.; Vukutu, 25-26.01.2011 – 1 ♀; Bvumba, 12-14. 04.2011 – 3 ex., Kovtunovich V. & Ustjuzhanin P.; Aberfoyle, 28.09.2010 – 6 ex., Vukutu, 27.01.2011 – 1 ♀, 26.04.2011 – 1 ♀; Harare, 23.04.2011 – 1 ♀, J. Lenz., 26.06.2012 – 1 ♂, R. Butler; Goromonzi, 26.02.2011 – 1 ♂, J. Lenz.
- Distribution:** In all tropical and subtropical regions.
- Stenoptilia zophodactyla* (Duponchel, 1840).
- Pterophorus zophodactylus* Duponchel, 1840: 668 (Type locality: France).
- Material:** Mutare (Umtali), 8-10.03.1970 – 1 ♂, M.J. Scoble
- Distribution:** Cosmopolitan.
- Procapperia insomnis* (Townsend, 1956) **comb. nov.**
- Capperia insomnis* Townsend, 1956: 93. (Type locality: Kenya).
- Procapperia hackeri* Arenberger, 2002: 74. (Type locality: Yemen).
- Oxyptilus insomnis* (Townsend, 1956), [Gielis, 2003].
- Capperia insomnis* Townsend, 1956, [Gielis, 2011].
- Material:** Vukutu, 1-3.12.2010 – 1 ♀, Ustjuzhanin P. & Kovtunovich V.
- Distribution:** Kenya, Yemen, Zimbabwe.
- Notes:** By the genital morphology and external characters, in our opinion, this species belongs to the genus *Procapperia*. New for Zimbabwe.
- Paracapperia esuriens* (Meyrick, 1932)
- Oxyptilus esuriens* Meyrick, 1932: 108. (Type locality: Ethiopia).
- Trichoptilus infernus* Meyrick, 1939: 3. (Type locality: Zaire).
- Material:** Vukutu, 1-3.12.2010 – 1 ♂, Ustjuzhanin P. & Kovtunovich V.
- Distribution:** Rep. S. Africa, Tanzania, Ethiopia, Congo, Kenya, Zimbabwe.
- Notes:** New for Zimbabwe.
- Pseudoxypilus secutor* (Meyrick, 1911).
- Oxyptilus secutor* Meyrick, 1911: 218. (Type locality: Pretoria, S. Africa).
- Oxyptilus variegatus* Meyrick, 1920: 274. (Type locality: Transvaal, Rep. S. Africa).
- Material:** Kwaraguza, 17.11.2009 – 1 ♂, J. Lenz.; Harare, 01.07.2012 – 1 ♂, R. Butler.
- Distribution:** Rep. S. Africa, Lesotho, Swaziland, Zimbabwe.
- Notes:** New for Zimbabwe.
- 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:** Harare, 4.11.2009 – 1 ♂, 11.09.2010 – 2 ♂, 20.09.2010 – 1 ♀, 11.09.2010 – 1 ♀, 10.12.2010 – 1 ♂, 30.01.2011 – 1 ♀, J. Lenz, 06.12.2010 – 1 ♂, 11.04.2011 1 ♂, 1 ♀, 30.11.2010 – 2 ex.; Selinda, 07-08.01.2011 – 54 ex.; Vukutu, 25-26.04.2011 – 1 ♂, Ustjuzhanin P. & Kovtunovich V.; Harare, 18.12.2011 – 1 ♂, 1 ♀, Kovtunovich V.
- Distribution:** Rep. S. Africa, Cameroon, Swaziland, Zimbabwe, Tanzania, Kenya, Ghana, Madagascar, Comoros, Reunion Isl., Rodriguez Isl., Mauritius, Seychelles, St. Helena Isl., Saudi Arabia, Iran, Pakistan.
- Stenodacma richardi* Ustjuzhanin & Kovtunovich, 2010.
- Stenodacma richardi* Ustjuzhanin & Kovtunovich, 2010: 697 (Type locality: Mhlopheni N.R., KwaZulu Natal, Rep. S. Africa).
- Material:** Vukutu, 26.04.2011 – 1 ♂, J. Lenz.
- Distribution:** Rep. S. Africa: KwaZulu Natal, Eastern Cape, Cape Prov.; Uganda, Kenya, Malawi, Zimbabwe.
- Notes:** New for Zimbabwe.
- Buckleria negotiosus* (Meyrick, 1926).
- Trichoptilus negotiosus* Meyrick, 1926: 325 (Type locality: Witte River, Wellington, S. Africa).
- Buckleria vanderwolffi* Gielis, 2008: 49 (Type locality: Tsitsikamma, Cape prov., S. Africa).
- Material:** Marondera, 11.04.2011 – 1 ♂, Ustjuzhanin P. & Kovtunovich V.
- Distribution:** Rep. S. Africa, Zimbabwe.
- Notes:** New for Zimbabwe.
- Megalorhipida leucodactylus* (Fabricius, 1794).
- Pterophorus leucodactylus* Fabricius, 1794: 346. (Type locality: Virgin Islands).
- Megalorhipida leucodactylus* (Fabricius, 1794). Gielis 2003: 70.
- Pterophorus defectalis* Walker, 1864: 943. (Type locality: Sierra Leone).
- Material:** Vukutu, 16-17.12.2011 – 2 ♂, 1 ♀, Kovtunovich V.
- Distribution:** Cosmopolitan.
- Megalorhipida prolai* Gibeaux, 1994.
- Megalorhipida prolai* Gibeaux, 1994: 93. (Type locality: Comoros).
- Material:** Great Dyke, 05.01.2011 – 1 ♂, Kovtunovich V. & Ustjuzhanin P.
- Distribution:** Comoros, Madagascar, Zambia, Mo-

zambique, Swaziland, Zimbabwe.

**Notes:** New for Zimbabwe.

***Megalorhipida subtilis*** (Rebel, 1907).

*Trichoptilus subtilis* Rebel, 1907: 114 (Type locality: Jemen).

*Trichoptilus maceratus*, Meyrick, 1909 (Type locality: Rietfontein, Rep. S. Africa).

**Material:** Selinda, 07-08.01.2011 – 2♀, Kovtunovich V. & Ustjuzhanin P.

**Distribution:** Jemen, Socotra, Rep. S. Africa, Swaziland, Malawi, Mozambique, Zimbabwe.

**Notes:** New for Zimbabwe.

***Megalorhipida tessmanni*** (Strand, 1912).

*Oxyptilus tessmanni* Strand, 1912: 66. (Type locality: Cameroon).

*Oxyptilus aquessei* Bigot, 1964: 178. (Type locality: Guinea).

*Antarches luqueti* Gibeaux, 1994: 77. (Type locality: Madagascar).

*Sphenarches aquessei* Bigot, 1964. [Bigot & Luquet, 1991].

**Material:** Selinda, 07-08.01.2011 – 3♂, 2♀, Kovtunovich V. & Ustjuzhanin P.

**Distribution:** Cameroon, Guinee, Gana, Rep. S. Africa, Madagascar, Reunion Isl., Yemen, Zimbabwe.

**Notes:** New for Zimbabwe.

***Megalorhipida vivax*** (Meyrick, 1909).

*Trichoptilus vivax* Meyrick, 1909: 1. (Type locality: Pretoria, Rep. S. Africa).

**Material:** Zimbabwe, 6-10.04.1954 – 1♀, A.J.T. Janse.

**Distribution:** Rep. S. Africa, Lesotho, Swaziland, Gambia, Malawi, Zimbabwe.

**Notes:** New for Zimbabwe.

***Sphenarches anisodactyla*** (Walker, 1864).

*Oxyptilus anisodactylus* Walker, 1864: 934. (Type locality: Sri Lanka).

*Pterophorus diffusalis* Walker, 1864: 945. (Type locality: Australia).

*Sphenarches synophrys* Meyrick, 1886: 17. (Type locality: New Hebrides, Tonga).

*Megalorhipida rishwani* Makhan, 1994: 353. (Type locality: Suriname).

**Material:** Mutare, 18.04.1971 – 1♂, R. Dones, 14.04.1999 – 1♀, Stephen R.; Mazowe, 25.02.1997 – 1♀, D. Agassiz.; Vukutu, 25-26.04.2011 – 1♂, Ustjuzhanin P. & Kovtunovich V., 26.04.2011 – 1♀, 25.03.2011 – 1♂, 15.06.2011 – 1♀, Aberfoyle, 28.09.2010 – 1♀; Goromonzi, 26.02. 2011 – 2♀, J. Lenz; Harare, 20.03.2011 – 1♀, J. Lenz; bvumba, 12-14.04.2011 – 1♂, Ustjuzhanin P. & Kovtunovich V.

**Distribution:** Cosmopolitan.

***Xyroptilia zambesi*** Kovtunovich & Ustjuzhanin, 2006.

*Xyroptilia zambesi* Kovtunovich & Ustjuzhanin,

2006: 261. (Type locality: Zimbabwe).

**Material:** Harare, 30.11.2010 – 1♀, Ustjuzhanin P. & Kovtunovich V.; Vukutu, 27.01.2011 – 1♀, J. Lenz.

**Distribution:** Zimbabwe, Swaziland.

***Marasmarcha bonaespei*** (Walsingham, 1881).

*Lioptilus bonaespei* Walsingham, 1881: 281. (Type locality: S. Africa).

*Marasmarcha bonaespei* (Walsingham, 1881) [Gielis, 2003].

*Marasmarcha pavidus* (Meyrick, 1908) **syn. nov.**

*Pterophorus pavidus* Meyrick, 1908: 493. (Type locality: Rep. S. Africa).

**Material:** Kyle, 09.11.2011 – 1♂, Ustjuzhanin P. & Kovtunovich V.

**Distribution:** Rep. S. Africa, Namibia, Swaziland, Zimbabwe.

**Notes:** After comparison of *Marasmarcha bonaespei* type material to *Marasmarcha pavidus*, it became obvious that the latter is a junior synonym of *Marasmarcha bonaespei*.

New for Zimbabwe.

***Marasmarcha empedota*** (Meyrick, 1908).

*Platyptilia empedota* Meyrick, 1908: 487. (Type locality: Pretoria, S. Africa).

**Material:** Kwaraguza, 10.12.2006 – 1♂, 6.11.2010 – 4♂, J. Lenz; Vukutu, 01-03.12.2010 – 1♂, Ustjuzhanin P. & Kovtunovich V.

**Distribution:** Rep. S. Africa, Zimbabwe.

**Notes:** New for Zimbabwe.

***Marasmarcha locharcha*** (Meyrick, 1924) **comb. nov.**

*Platyptilia locharcha* Meyrick, 1924: 94. (Type locality: Zimbabwe).

**Material:** Darwendale, 17-19.01.1955 – 2♂, D.W. Rorke.

**Distribution:** Zimbabwe.

**Notes:** Study of external morphology of imago as well as genitalia of both sexes, showed that this species does not belong to the genus *Platyptilia*. However, it is not entirely correct to attribute it to the genus *Marasmarcha*, even though some features in the structure of genitalia are similar. The detailed analysis of this problem is needed.

***Marasmarcha sisyrodes*** Meyrick, 1921.

*Marasmarcha sisyrodes* Meyrick, 1921: 50. (Type locality: Zimbabwe).

*Platyptilia proterischna* Meyrick, 1935: 555. (Type locality: Zaire).

**Material:** Mutare (Umtali), 12.01.1918 – 1♀; Mazowe, 6-7.01.1920 – 1♂, A.J.T. Janse; Vukutu, 01-03.12.2010 – 7 ex.; Great Dyke, 05.01.2011 – 1♂, Ustjuzhanin P. & Kovtunovich V.

**Distribution:** Zimbabwe, Cameroon, Zaire.

***Marasmarcha verax*** (Meyrick, 1909) **bona sp.**

- Pterophorus verax* Meyrick, 1909: 3. (Type locality: Rep. S. Africa).  
**Material:** Aberfoyle, 18.12.2006 – 1♀, J. Lenz.  
**Distribution:** Rep. S. Africa, Swaziland, Zimbabwe.  
**Notes:** With the new material became available for the study we solved this problem; we consider *Marasmarcha verax* a separate species, not a synonym to *Marasmarcha bonaespei* (Walsingham, 1881) as it was published earlier [Ustjuzhanin & Kovtunovich, 2010]. New for Zimbabwe.
- Exelastis atomosa*** (Walsingham, 1885).  
*Aciptilia atomosa* Walsingham, 1885: 885. (Type locality: Bombay, India).  
**Material:** Vukutu, 01-03. 12. 2010 – 2♀, Ustjuzhanin P. & Kovtunovich V.  
**Notes:** New for Zimbabwe.
- Exelastis crepuscularis*** (Meyrick, 1909).  
*Pterophorus crepuscularis* Meyrick, 1909: 4. (Type locality: Warmberg, Northern Cape, Rep. S. Africa).  
**Material:** Vukutu, 01-03. 12. 2010 – 10 ex., 1♀, 16-17.12.2011 – 3♂, 25-26.04.2011 – 1♂, 1♀; Great Dyke, 05.01.2011 – 1♂, 1♀, Selinda, 7-8. 01.2011 – 5 ex., Ustjuzhanin P. & Kovtunovich V.; Mushandike, 08.01.2012 – 2 ex.; Mutare, 18.12.2011 – 1 ex., Kovtunovich V.; Vukutu, 27.01.2011 – 1♂, J. Lenz.  
**Distribution:** Rep. S. Africa, Swaziland, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Exelastis crudipennis*** (Meyrick, 1932).  
*Marasmarcha crudipennis* Meyrick, 1932: 252. (Type locality: Uganda).  
**Material:** Vukutu, 25-26.04.2011 – 1♂, Ustjuzhanin P. & Kovtunovich V.  
**Notes:** New for Zimbabwe.
- Exelastis montischristi*** (Walsingham, 1897).  
*Pterophorus montischristi* Walsingham, 1897: 59. (Type locality: Dominica).  
*Pterophorus cervinicolor* Barnes & McDunnough, 1913: 185. (Type locality: USA, Florida).  
**Material:** Mushandike, 08.01.2012 – 1♂, Kovtunovich V.  
**Distribution:** Rep. S. Africa, Swaziland, Tanzania, Dem. Rep. Congo, Kenya, Zimbabwe, U.S.A, Virgin Islands, Martinique, Grenada, Jamaica, Puerto Rico, Galapagos Islands.  
**Notes:** New for Zimbabwe.
- Exelastis pumilio*** (Zeller, 1873).  
*Mimeseoptilus pumilio* Zeller, 1873: 324. (Type locality: USA, Texas).  
*Marasmarcha liophanes* Meyrick, 1886: 19. – (Type locality: Reunion Island).  
*Mimaesoptilus gilvidorsis* Hedemann, 1896: 8 (not Zeller, 1877). (Type locality: Virgin Islands, St. Croix).  
*Marasmarcha tenax* Meyrick, 1913: 268. (Type locality: Barberton, Mpumalanga, S. Africa).
- Exelastis tenax* (Meyrick, 1913) [Gielis, 2003].  
**Material:** Vukutu, 27.01.2011 – 1♂, J. Lenz.; 25.03.2011 – 1♂; Aberfoyle, 11.02.2010 – 1♀, 28.09.2010 – 1♂, 2♀, J. Lenz.; 25-26.04.2011 – 1♂, Great Dyke, 05.01.2011 – 1♀, Ustjuzhanin P. & Kovtunovich V.  
**Distribution:** In all tropical and subtropical regions.
- Exelastis vuattouxi*** Bigot, 1970.  
*Exelastis vuattouxi* Bigot, 1970: 761. (Type locality: Cot d'Ivoire).  
**Material:** Salisbury, 1895 – 2♂, 1♀, Marshall; Kwaraguza, 17.11.2009 – 1♂, J. Lenz; Vukutu, 01-03.12.2010 – 1♂, 16-17.12.2011 – 1♂, Mutare, 18.12.2011 – 1♂, Great Dyke, 05.01.2011 – 2♂, Ustjuzhanin P. & Kovtunovich V.  
**Distribution:** Cot d' Ivoire, Rep. S. Africa, Swaziland, Nigeria, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Pselnophorus pachyceros*** Meyrick, 1921.  
*Pselnophorus pachyceros* Meyrick, 1921: 50. (Type locality: Magude, Mozambique).  
*Gypsochares pachyceros* (Meyrick, 1921) [Gielis, 2011].  
**Material:** Vumba, 28.03.1964 – 1♀, L.Vari; Lundi, 13.03.1976 – 1♂, M.J. Scoble; Mazowe, 6-17.01.1920 – 1♂, A.J.T. Janse; Great Dyke, 05.01.2011 – 1♂, Ustjuzhanin P. & Kovtunovich V.; Vukutu, 13.02.2010 – 1 ex., J. Lenz; Mutare, 18.12.2011 – 1♂, 1♀, Kovtunovich V.  
**Distribution:** Mozambique, Rep. S. Africa, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Gypsochares aulotes*** (Meyrick, 1911).  
*Pselnophorus aulotes* Meyrick, 1911: 219. (Type locality: Woodbush Village, Northern Province, Rep. S. Africa).  
**Material:** Kwaraguza, 17.11.2009 – 2♂, 13.04.2011 – 1♀, J. Lenz.  
**Distribution:** Rep. S. Africa, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Gypsochares londti*** Ustjuzhanin & Kovtunovich, 2010  
*Gypsochares londti* Ustjuzhanin & Kovtunovich, 2010: 701. Type locality: Kogelberg, Cape Province, Rep. S. Africa.  
**Material:** Kwaraguza, 17.11.2009 – 1♂, J.Lenz; Vukutu, 01-03.12.2010 – 4 ex., 25-26.04.2011 – 3 ex., Ustjuzhanin P. & Kovtunovich V.  
**Distribution:** Rep. S. Africa, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Crassuncus pacifica*** (Meyrick, 1911) **comb. nov.**  
*Marasmarcha pacifica* Meyrick, 1911: 220. (Type locality: Moorddrift, Limpopo, S. Africa).  
*Pterophorus ambitiosus* Meyrick, 1911: 220. (Type locality: Pretoria, S. Africa).



- Pterophorus purus* Meyrick, 1913: 268. (Type locality: Barberton, Mpumalanga, Rep. South Africa).  
**Syn. nov.**  
*Hellinsia purus* (Meyrick, 1913) [Gielis, 2003].  
**Material:** Marondera, 11.04.2011 – 1♂, Ustjuzhanin P. & Kovtunovich V.; Mutare, 18.12.2011 – 2♂, Kovtunovich V.  
**Distribution:** Rep. S. Africa, Swaziland, Zimbabwe.  
**Notes:** Comparing the type materials of *Marasmarcha pacifica* Meyrick to *Pterophorus purus* Meyrick, we came to conclusion that the latter is a junior synonym to *Marasmarcha pacifica* Meyrick.  
New for Zimbabwe.
- Crassuncus timidus*** (Meyrick, 1908).  
*Pterophorus timidus* Meyrick, 1908: 494 (Type locality: Northdene, Natal, S. Africa).  
*Hellinsia timidus* (Meyrick, 1908). [Gielis, 2003].  
*Crassuncus timidus* (Meyrick, 1908) [Ustjuzhanin, Kovtunovich, 2010].  
**Material:** Bvumba, 04.11.2010 – 1♂, J. Lenz.  
**Distribution:** Rep. S. Africa, Tanzania, Malawi, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Crassuncus tripunctatus*** (Walsingham, 1881).  
*Aciptilus tripunctatus* Walsingham, 1881: 283 (Type locality: Spring Valley, Eastern Cape, S. Africa).  
*Pterophorus serpens* Meyrick, 1909: 366. (Type locality: Kalk Bay, Cape Prov., S. Africa).  
*Pterophorus laqueatus* Meyrick, 1913: 268. (Type locality: Barberton, Mpumalanga, S. Africa).  
*Hellinsia serpens* (Meyrick, 1909). [Gielis, 2003].  
*Crassuncus tripunctatus* (Walsingham, 1881) [Gielis, 2011].  
**Material:** Selinda, 07-08.01.2011 – 1♂, Kovtunovich V. & Ustjuzhanin P.  
**Distribution:** Rep. S. Africa, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Adaina gentilis*** Meyrick, 1911.  
*Adaina gentilis* Meyrick, 1911: 219. (Type locality: Pretoria, S. Africa).  
**Material:** Kwaraguza, 20.10.2009 – 1♂, J. Lenz.  
**Distribution:** Rep. S. Africa, Lesotho, Kenya, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Hellinsia adumbratus*** (Walsingham, 1881).  
*Aciptilus adumbratus* Walsingham, 1881: 282. (Type locality: Pinetown, Natal, Rep. S. Africa).  
**Material:** Kwaraguza, 20.10.2009 – 1♀, Vukutu, 15.06.2011 – 1♀, J. Lenz.  
**Distribution:** Rep. S. Africa, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Hellinsia aethiopicus*** (Amsel, 1963).  
*Leioptilus aethiopicus* Amsel, 1963: 6. (Type locality: Ethiopia).
- Material:** Aberfoyle, 28.09.2010 – 1♂; Kwaraguza, 06.11.2010 – 1♂, 28.01.2011 – 1♀, J. Lenz.  
**Distribution:** Ethiopia, Congo, Nigeria, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Hellinsia aldabrensis*** (T.B. Fletcher, 1910).  
*Pterophorus aldabrensis* T.B. Fletcher, 1910: 403. (Type locality: Aldabra Island).  
**Material:** Great Dyke, 05.01.2012 – 2♂, Kovtunovich V., Ustjuzhanin P.  
**Distribution:** Aldabra Island, Rep. S. Africa, Zimbabwe.  
**Notes:** New for Zimbabwe and Rep. S. Africa.
- Hellinsia invidiosus*** (Meyrick, 1911).  
*Pterophorus invidiosus* Meyrick, 1911: 220. (Type locality: Rep. S. Africa).  
**Material:** Vukutu, 13.02.2010 – 1♀, J. Lenz.  
**Distribution:** Rep. S. Africa, Kenya, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Hellinsia katangae*** Gielis, 2009.  
*Hellinsia katangae* Gielis, 2009: 246. (Type locality: Haut-Katanga, Congo).  
**Material:** Kwaraguza, 6.11.2010 – 1♀, J. Lenz; Vukutu, 25.03.2011 – 1♂, 25-26.04.2011 – 2♂, J. Lenz, Kovtunovich V., Ustjuzhanin P.; 16-17.12.2011 – 1♂, Kovtunovich V.  
**Distribution:** Congo, Tanzania, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Hellinsia madecasseus*** (Bigot, 1964).  
*Pterophorus madecasseus* Bigot, 1964: 34 (Type locality: Madagascar).  
*Paulianilus madecasseus* (Bigot, 1964).  
*Leioptilus devius* Bigot, 1969: 197 (Type locality: Zaire).  
*Hellinsia madecasseus* (Bigot, 1964) [Ustjuzhanin & Kovtunovich, 2010].  
*Paulianilus madecasseus* (Bigot, 1964) [Gielis, 2003, 2011].  
**Material:** Salisbury, 1894 – 1♂, Marshall; Victoria, 3-4.05.1954 – 1♂, A.J.T. Janse; Aberfoyle, 28.09.2010 – 1♂, 1♀, J. Lenz.  
**Distribution:** Rep. S. Africa, Congo, Tanzania, Madagascar, Zimbabwe.  
**Notes:** New for Zimbabwe.
- Pterophorus albidus*** (Zeller, 1852).  
*Aciptilus albidus* Zeller, 1852: 397. (Type locality: S. Africa).  
*Alucita endogramma* Meyrick, 1922: 549. (Type locality: Fiji).  
*Alucita endophaea* Meyrick, 1930: 567. (Type locality: Mozambique).  
*Aciptilia suffata* Yano, 1963: 200. (Type locality: Japan).  
**Material:** Mutare (Umtali), 18.04.1871 – 1♂, R. Dones; bvumba, 29.04.-01.05.2006 – 1♂, J. Lenz; Vukutu, 25-26.04.2011 – 1♀, Kovtunovich V., Ustjuzhanin P.

**Distribution:** Rep. S. Africa, Gambia, Mozambique, Nigeria, Kenya, Malawi, Tanzania, Zaire, Uganda, Cameroon, Tchad, Cote d'Ivoire, Zimbabwe, Zanzibar, Madagascar, Reunion Isl., Botswana, Ethiopia, Somalia. Japan, Thailand, Vietnam, Indonesia, Philippines, Kei Island, Irian Jaya, Fiji Islands.

*Pterophorus candidalis* (Walker, 1864).

*Aciptilia candigalis* Walker, 1864: 948. (Type locality: Sierra Leone).

**Material:** Aberfoyle, 05.08.2010 – 1♀, J. Lenz.

**Distribution:** Rep. S. Africa, Kenya, Tanzania, Cameroon, Chad, Cote d'Ivoire, Ethiopia, Sierra Leone, Congo, Burundi, Ghana, Gabon, Zimbabwe.

**Notes:** New for Zimbabwe.

*Pterophorus ceraunia* (Bigot, 1969).

*Aciptilia ceraunia* Bigot, 1969: 204. (Type locality: Zaire).

**Material:** Bvumba, 12-14.04.2011 – 1♂, Kovtunovich V., Ustjuzhanin P.

**Distribution:** Cameroon, Dahomey, Zaire, Madagascar, Zimbabwe.

**Notes:** New for Zimbabwe.

*Pterophorus rhyparias* (Meyrick, 1907).

*Alucita rhyparias* Meyrick, 1907: 489. (Type locality: Pretoria, S. Africa).

*Alucita cencyocrates* Meyrick, 1933: 425. (Type locality: Zaire).

*Aciptilia viettei* Bigot, 1964: 35. (Type locality: Madagascar).

**Material:** Harare, 12.02.2011 – 1♀, 20.03.2011 – 1♂, 15.10.2011 – 3 ex., J. Lenz, 30.11.2010 – 1♂, Kovtunovich V., Ustjuzhanin P.; 26.06.2012 – 1 ex., 28.08.2012 – 1 ex., R. Butler.

**Distribution:** Rep. S. Africa, Congo, Kenya, Tanzania, Ethiopia, Madagascar, Uganda, Zimbabwe.

**Notes:** New for Zimbabwe.

*Pterophorus spissa* (Bigot, 1969).

*Aciptilia spissa* Bigot, 1969: 202. (Type locality: Zaire).

**Material:** Bvumba, 14.11.2009 – 1♂, J. Lenz.

**Distribution:** Congo (Brazzaville), Ghana, Nigeria, Cameroon, Zimbabwe.

**Notes:** New for Zimbabwe.

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COLOR PLATE II

ЦВЕТНАЯ ТАБЛИЦА II



1-2 – *Walsinghamiella selinda* Ustjuzhanin & Kovtunovich **sp. nov.**: 1 – imago; 2 – female genitalia; 3-5 – *Platyptilia swynnertoni* Ustjuzhanin & Kovtunovich **sp. nov.**: 3 – imago; 4 – male genitalia; 5 – female genitalia