

Review on the fauna of Pterophoridae of the Republic of Guinea (Lepidoptera: Pterophoridae)

P. Ya. Ustjuzhanin, V. N. Kovtunovich & A. N. Streltsov

Abstract

The article gives a complete list of Pterophoridae species known from the Republic of Guinea. Three species, *Exelastis crudipennis* (Meyrick, 1932), *Sphenarches erythrodactylus* (Fletcher, 1911) and *Hellinsia aethiopicus* (Amsel, 1963) are reported for the fauna of this country for the first time.

KEY WORDS: Lepidoptera, Pterophoridae, biodiversity, new data, faunal review, Republic of Guinea.

Revisión sobre la fauna de Pterophoridae de la República de Guinea (Lepidoptera: Pterophoridae)

Resumen

El artículo da una lista completa de las especies de Pterophoridae conocidas de la República de Guinea. Tres especies se citan, por primera vez, para la fauna de este país: *Exelastis crudipennis* (Meyrick, 1932), *Sphenarches erythrodactylus* (Fletcher, 1911) y *Hellinsia aethiopicus* (Amsel, 1963).

PALABRAS CLAVE: Lepidoptera, Pterophoridae, biodiversidad, nuevos datos, revisión fauna, República de Guinea.

Introduction

There were nine Pterophoridae species known for the Republic of Guinea (BIGOT, 1964; GIBEAUX, 1992), all of them were collected in the eastern of Highlands of Guinea on Mount Nimba, or in its vicinity. The new specimen, were found in the vicinity of the village Pastoriah, located 140 km northeast of the capital Conakry (Fig.1). As a result, after processing this material, we added three species, new for the fauna of the Republic of Guinea.

List on the Pterophoridae fauna of the Republic of Guinea

Stenoptilodes taprobanes (Felder & Rogenhofer, 1875)

Amblyptilia taprobanes Felder & Rogenhofer, 1875. *Reise Novara*: Pl. 140, fig. 54

Type locality: CEYLON, [SRI LANKA]

= *Platyptilia legrandi* Bigot, 1962. *Bull. Soc. ent. Fr.*, **67**: 86

Type locality: Mahé, Beau Vallo, SEYCHELLES

= *Stenoptilodes vittata* Service, 1966. *Proc. R. ent. Soc. Lond. (B)*, **35**: 139

Type locality: NIGERIA

Material examined: REPUBLIC OF GUINEA, Kindia vic. vil. Pastoriah, N 10,093508, W.12,838956, 1 ♂, 08-11-XI-2016, K. Zaharov leg.

Distribution: Widespread throughout tropical and subtropical regions.

Buckleria girardi Gibeaux, 1992

Buckleria girardi Gibeaux, 1992. *Revue Fr. Ent.*, **14**(1): 14

Type locality: Mt. Nimba, plateau de Zouguepo, REPUBLIC OF GUINEA

Distribution: Republic of Guinea, Ghana.

Sphenarches erythrodactylus (Fletcher, 1911)

Oxyptilus erythrodactylus Fletcher, 1911. *Entomologist*, **44**: 281

Type locality: Transvaal [SOUTH AFRICA]

Material examined: REPUBLIC OF GUINEA, Kindia vic. vil. Pastoriah, N 10,093508, W.12,838956, 3 ♂♂, 08-11-XI-2016, K. Zaharov leg.

Distribution: Republic of South Africa, Sierra Leone, Republic of Guinea. **New species for the Republic of Guinea.**

Megalorhipida leucodactylus (Fabricius, 1794)

Pterophorus leucodactylus Fabricius, 1794. *Ent. Syst. Emendata et aucta*, **3**(2): 346

Type locality: AMERICAE MERIDIONALIS

= *Pterophorus defectalis* Walker, 1864. *Cat. Lep. Het. B. M.*, **30**: 943

Type locality: SIERRA LEONE, CONGO

= *Pterophorus congrualis* Walker, 1864. *Cat. Lep. Het. B. M.*, **30**: 943

Type locality: SOUTH HINDOSTAN, CHINA, SHANGHAI

= *Trichoptilus compsochares* Meyrick, 1886. *Trans. Ent. Soc. London*, **1886**: 16

Type locality: Saint Vincent, CAPE VERDE ISLANDS

Distribution: Widespread throughout tropical and subtropical regions.

Note: This species was recorded for the Republic of Guinea (BIGOT, 1964) as *Megalorhipida defectalis* (Walker, 1864).

Megalorhipida tessmanni (Strand, 1912)

Oxyptilus tessmanni Strand, 1912. *Arch. Naturgesch.*, **78A**(12): 66

Type locality: Uelleburg, [EQUATORIAL GUINEA]

= *Oxyptilus aguesssei* Bigot, 1964. *Bull. Inst. Franc. Afr. Noire*, (A)**26**: 178

Type locality: Ziéla, REPUBLIC OF GUINEA

= *Antarches luqueti* Gibeaux, 1994. *Faune Madagascar*, **81**: 77

Type locality: Anjiro, Marojevo, MADAGASCAR

Distribution: Equatorial Guinea, Republic of Guinea (BIGOT, 1964), Yemen, Madagascar, Reunion Island, Republic of South Africa, Ghana, Uganda.

Note: This species was recorded for the Republic of Guinea (BIGOT, 1964) as *Oxyptilus aguesssei* Bigot, 1964, which is synonymized with *Megalorhipida tessmanni* (USTJUZHANIN & KOVTUNOVICH, 2010).

Xyroptilia fulbae Kovtunovich & Ustjuzhanin, 2006

Xyroptilia fulbae Kovtunovich & Ustjuzhanin, 2006. *Atalanta*, **37**(1-2): 263

Type locality: NW Mokwa, Zugurma, NIGERIA

Distribution: Nigeria, Principe Island, Republic of Guinea.

Note: This species was recorded for the Republic of Guinea (BIGOT, 1964) as *Xyroptilia tectonica* Meyrick, 1914, but comparing the genitals, we concluded that it should be attributed to *X. fulbae*.

Exelastis crudipennis (Meyrick, 1932)

Marasmarcha crudipennis Meyrick, 1932. *Exot. Micr.*, **4**: 252

Type locality: Kampala, UGANDA

Material examined: REPUBLIC OF GUINEA, Kindia vic. vil. Pastoriah, N 10,093508, W.12,838956, 1 ♂, 1 ♀, 08-11-XI-2016, K. Zaharov leg.

Distribution: Uganda, Ghana, Democratic Republic of the Congo, Republic of Guinea. **New species for Republic of Guinea.**

Exelastis phlyctaenias (Meyrick, 1911)

Marasmarcha phlyctaenias Meyrick, 1911. *J. Bomb. nat. Hist. Soc.*, **21**: 106

Type locality: Puttalam, CEYLON [SRI LANKA]

Distribution: Sri Lanka, Philippines, Tanzania, Malawi, Madagascar, Reunion Island, Ethiopia, Ghana, Republic of Guinea, Virgin Islands, Oman.

Exelastis pumilo (Zeller, 1873)

Mimiseoptilus pumilio Zeller, 1873. *Verh. Zool.-bot. Ges. Wien*, **23**: 324

Type locality: Dallas, Texas, USA

Material examined: REPUBLIC OF GUINEA, Kindia vic. vil. Pastoriah, N 10,093508, W.12,838956, 1 ♂, 3 ♂♂, 08-11-XI-2016, K. Zaharov leg.

Distribution: Widespread throughout tropical and subtropical regions.

Hellinsia aethiopicus (Amsel, 1963)

Leioptilus aethiopicus Amsel, 1963. *Stuttg. Beitr. Naturk.*, **121**: 6

Type locality: Gambi, ETHIOPIA

Material examined: REPUBLIC OF GUINEA, Kindia vic. vil. Pastoriah, N 10,093508, W 12,838956, 2 ♂♂, 1 ♀, 08-11-XI-2016, K. Zaharov leg.

Distribution: Ethiopia, Congo, Nigeria, Ghana, Republic of Guinea. **New species for Republic of Guinea.**

Pterophorus lamottei Gibeaux, 1992

Pterophorus lamottei Gibeaux, 1992. *Revue Fr. Ent.*, **14**(1): 18

Type locality: Mt Nimba, forêt galerie de Zié, REPUBLIC OF GUINEA

Distribution: Republic of Guinea.

Pterophorus legrandi Gibeaux, 1992

Pterophorus legrandi Gibeaux, 1992. *Revue Fr. Ent.*, **14**(1): 15

Type locality: Mt Nimba, forêt galerie du Zougoué, REPUBLIC OF GUINEA

Distribution: Republic of Guinea.

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Figure 1.– Biotope (Photo K. Zacharov).