

Insect Types in the ZFMK Collection, Bonn: Blattodea

(last update: April 2006)

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running title:

LAMPE, INGRISCH, ROHWEDDER & RACH: Insect Types in ZFMK section Hymenoptera

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Abstract. The type specimens of Blattodea housed in the Zoologisches Forschungsinstitut und Museum Alexander Koenig (ZFMK), Bonn, are listed. There are 7 names recorded; of these 6 (86%) are represented by name bearing (i.e., primary) types. Specific and subspecific names are listed alphabetically, followed by the original genus name, bibliographic citation, original label information (in case of primary types), date and place collected, and finally the geographical coordinates (latitude and longitude based on geo-referencing process).

Key words. Type specimens, Blattodea

Introduction

This catalogue is generated from the specimen based database BIODAT. Data capture was mainly done within the DIG project ('Digitization of key Insect groups at ZFMK'). DIG is one of the subprojects of the German GBIF subnode Insecta. It is financially supported by the German Ministry of Science and Education (BMBF) and will run until the end of the year 2005. By adaptation to the ABCD schema (Access to Biological Collection Data) BIODAT became both a BIOCASE- (Biological Collection Access Service for Europe) and GBIF- (Global Biodiversity Information Infrastructure) provider. Therefore full information at the specimen level, and not only of type specimens, for selected ZFMK insect collections (starting with "Homoptera" & Orthoptera) will be sustainably available on the World Wide Web. In case of type specimens we will successively provide images of the type itself and of the original labels.

In this publication the specific and subspecific taxa are grouped by orders and arranged alphabetically. They are listed by species epitheta, followed by the genus name (both in the original spelling), author and year. The citation of the original description was checked and is followed by BIODAT's catalogue number, type status, number of specimens, developmental stage and sex. If the current classification differs from the original name, the valid name is added together with its bibliographic source. In a similar manner the designation of lecto- and neotypes are referenced. The abbreviations of all citations are based on the "World List of Scientific Periodicals" (Brown, P. and G. B. Stratton, 1963). All primary types are listed with the original label information, supplemented by date- and place collected information (normally 'named area' information, the more exact 'gathering site' information are marked). Historical or 'older' place names are updated with names in common use (in parentheses) and higher ranked geographic information such as region, country and continent is added in a hierarchy. Since geo-referencing of collecting places and sites, by using the Alexandria Digital Library gazetteer (ADL) and similar authority files, is part of databasing our collections with BIODAT, the resulting latitude and longitude information could be added easily. To avoid hypertrophic text length most of the secondary types are listed without original label information. If the collection, however, harbour only secondary types of a given taxon the original label information is given for the first type specimen. Table 1 shows the number of primary and secondary types in insect orders of ZFMK section Hymenoptera.

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Tab. 1: Types in insect collections of ZFMK (last update: April 2006)

	Holo- types	Lecto- types	Syn- types	Neo- types	'Allo- types'	Para- types	Para- lecto- types	Para- neo- types	Status of Type unclear
Blattodea	1	5				1	11		

Images of the respected type specimens are presented on the web via <http://www.biodat.de>.

Blattodea

concolor, *Phyllodromia*

Werner, 1913

Current classification: Synonym of *Chorisia trivirgata* (Werner, 1907)

Werner, 1913: Zool. Jb. Abt. Syst. Ökol. Geogr. Tiere 34(2): 208, 209

Princis, K. 1969: Orth. Cat. 13: 752 [syn. of *Chorisia trivirgata*]

Princis, K. 1969: Anns. Mus. r. Afr. cent. Sér. 8vo 175:13 [lectotype selection]

BLA 2004/12 **Lectotype** 1 adult male
 24 --- *Phyllodromia* --- *concolor*, Wern. --- Bahr el Zeraf --- 27.III.10 --- Lectotypus --- *Phyllodromia concolor* --- Werner
 --- male --- K. Princis 1966 - (unterseits) *Symploce concolor* (Werner) male
 27.3.1910
 Bahr el Zeraf (= Bahr az Zaraf (mts.)), Kurdufan, Sudan, Africa
 31°14'00" O 14°41'59" N

BLA 2004/13 **Paralectotype** 1 adult female
 24.3.1910

BLA 2004/14 **Paralectotype** 1 adult female
 25.3.1910
 Bahr el Zeraf (= Bahr az Zaraf (mts.)), Kurdufan, Sudan, Africa
 31°14'00" O 14°41'59" N

frontefasciata, *Phyllodromia*

Werner, 1913

Current classification: *Margattea frontefasciata* (Werner, 1913)

Werner, 1913: Zool. Jb. Abt. Syst. Ökol. Geogr. Tiere 34(2): 206, 209

Princis, K. 1969: Orth. Cat. 13: 867 [*Margattea*]

Princis, K. 1969: Anns. Mus. r. Afr. cent. Sér. 8vo 175:18 [lectotype selection]

BLA 2004/15 **Lectotype** 1 adult female
 60 --- *Phyllodromia* --- *frontefasciata*, Wern. --- Bahr el Ghazal --- 27.II.10 --- Typus --- Lectotypus --- *Phyllodromia*
frontefasciata Werner --- female --- K. Princis 1966 - (unterseits) *Margattea frontefasciata* (Werner)
 27.2.1910
 Bahr al Ghazal, Bahr al Ghazal, Sudan, Africa
 27°40'00" O 07°46'00" N

BLA 2004/16 **Paralectotype** 1 adult female
 2.3.1910
 Bahr al Ghazal, Bahr al Ghazal, Sudan, Africa
 27°40'00" O 07°46'00" N

BLA 2004/17 **Paralectotype** 1 adult female
 8.3.1910
 Bahr el Djebel (river), Sudan, Africa

gazellarum, Phyllodromia

Werner, 1913

Current classification: Synonym of ***Matabelina munzingeri* (Saussure, 1873)**

Werner, 1913: Zool. Jb. Abt. Syst. Ökol. Geogr. Tiere 34(2): 208, 209

Princis, K. 1969: Orth. Cat. 13: 966 [syn. of *Matabelina munzingeri*]

Princis, K. 1969: Annl. Mus. r. Afr. cent. Sér. 8vo 175:35 [lectotype selection]

BLA 2004/10 **Lectotype** 1 adult male
 53 --- *Phyllodromia* --- *gazellarum*, Werner --- Bahr el Ghazal --- 25.II.10 --- Typus --- Lectotypus --- *Phyllodromia* *gazellarum* --- Werner --- male --- K. Princis 1966 - (unterseits) *Matabelina abdominalis* (Shelf.)
 25.2.1910
 Bahr al Ghazal, Bahr al Ghazal, Sudan, Africa
 27°40'00" O 07°46'00" N

BLA 2004/11 **Paralectotype** 1 adult male
 27.2.1910
 Bahr al Ghazal, Bahr al Ghazal, Sudan, Africa
 27°40'00" O 07°46'00" N

koenigi, Phyllodromia

Werner, 1913

Current classification: Synonym of ***Burchellia circumcincta* (R&F, 1847)**

Werner, 1913: Zool. Jb. Abt. Syst. Ökol. Geogr. Tiere 34(2): 208, 209

Princis, K. 1969: Orth. Cat. 13: 1129 [syn. of *Burchellia circumcincta*]

Princis, K. 1969: Annl. Mus. r. Afr. cent. Sér. 8vo 175:41 [lectotype selection]

BLA 2004/1 **Lectotype** 1 adult male
 54 --- *Phyllodromia* *koenigi*, Wern. --- Bahr el Ghazal --- 25.II.10 --- Typus --- Lectotypus --- *Phyllodromia* *koenigi* --- Werner male --- K. Princis 1966 - (unterseits) *Burchellia circumcincta* (Reiche u. Fairm.)
 25.2.1910
 Bahr al Ghazal, Bahr al Ghazal, Sudan, Africa
 27°40'00" O 07°46'00" N

BLA 2004/2 **Paralectotype** 1 adult male
 23.2.1910

BLA 2004/3-4 **Paralectotypes** 2 adult male
 25.2.1910

BLA 2004/5 **Paralectotype** 1 adult female
 25.2.1910
 Bahr al Ghazal, Bahr al Ghazal, Sudan, Africa
 27°40'00" O 07°46'00" N

remotevittata, Phyllodromia

Werner, 1913

Current classification: ***Theganopteryx remotevittata* (Werner, 1913)**

Werner, 1913: Zool. Jb. Abt. Syst. Ökol. Geogr. Tiere 34(2): 206, 209

Princis, K. 1969: Orth. Cat. 13: 1120 [*Theganopteryx*]

BLA 2004/6 **Holotype** 1 adult female
 42 --- *Phyllodromia* *remotevittata*, Wern. --- Bahr el Zeraf --- 25.III.10 --- Typus --- Lectotypus --- *Phyllodromia* *remotevittata* Werner --- female --- K. Princis 1966 - (unterseits) *Theganopteryx remotevittata* (Werner)
 25.3.1910
 Bahr el Zeraf (= Bahr az Zeraf (mts.)), Kurdufan, Sudan, Africa
 31°14'00" O 14°41'59" N

rufifrons, Phyllodromia

Werner, 1913

Current classification: Synonym of ***Matabelina munzingeri* (Saussure, 1873)**

Werner, 1913: Zool. Jb. Abt. Syst. Ökol. Geogr. Tiere 34(2): 207, 209

Princis, K. 1969: Orth. Cat. 13: 966 [syn. of *Matabelina munzingeri*]

Princis, K. 1969: Annl. Mus. r. Afr. cent. Sér. 8vo 175:35 [lectotype selection]

BLA 2004/7 **Lectotype** 1 adult female
 38 --- Phyllodromia ruffrons, Wern. --- Rab el Arab --- 28.III.10 --- Typus --- Lectotypus --- Phyllodromia ruffrons ---
 Werner --- female --- K. Princis 1966 - (unterseits) Matabelina abdominalis (Shelf.)
 28.3.1910
 Rab el Arab, Sudan, Africa

BLA 2004/8-9 **Paralectotype** 2 adult male
 4.3.1910
 Bahr el Djebel (river), Sudan, Africa

shelfordi, Paranauphoeta

Karny, 1915

Current classification: **Paranauphoeta formosana (Karny, 1915)**
 Karny, 1915: Supplta. ent. 4: 62,94
 Princis, 1964: Orth. Cat.6: 250 [syn. of Paranauphoeta formosana]

BLA 2004/18 **Paratype** 1 adult
 Fuhosho --- Formosa --- Sauter VII.07.09 --- coll. Leonhardt --- PARATYP --- Pharanacephoeta shelfordi Karny
 7.7.1909
 Fuhosho, Taiwan, Asia

References

- BROWN, P. AND G.B. STRATTON (1963): World List of Scientific Periodicals Published in the Years 1900 – 1960. London, Butterworths:1-1824.
- KARNY, H. (1915): Orthoptera et Oothecaria (H. Sauter's Formosa-Ausbeute). Supplementa Entomologica **4**:56-108.
- PRINCIS, K. (1964): *Blattariae*: Subordo *Blaberoidea*: Fam.: *Panchloridae*, *Gynopeltidae*, *Derocalymmidae*, *Perisphaeriidae*, *Pycnoscelidae*. – In: Beier, M. [ed.]. Orthopterorum Catalogus. **6**:173–281; The Hague (W. Junk)
- PRINCIS, K. (1969a): *Blattaria: Epilamproidea, Blattellidae*.- In: Beier.M. [ed.]. Orthopterorum Catalogus. **13**:713-1038; The Hague (W. Junk)
- PRINCIS, K. (1969b): Contributions à la connaissance de la faune entomologique de la Cote-d'Ivoire (J. Cecelle, 1961-1964) III. *Blattariae*. Annales du Musée Royal de l'Afrique Central, ser. In 8°, Sc. Zool., Tervuren, **175**:3-44.
- WERNER, F. (1913): Orthopteren aus Ägypten und dem angloägyptischen Sudan. Gesammelt auf den Reisen von Herrn Prof. A. Koenig 1897, 1903 und 1910. Zoologische Jahrbücher, Abteilung für Systematik, Oekologie und Geographie der Tiere **34(2)**:203-221.