

Insect Types in the ZFMK Collection, Bonn: Phasmatodea

(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 Phasmatodea housed in the Zoologisches Forschungsinstitut und Museum Alexander Koenig (ZFMK), Bonn, are listed. There are 6 names recorded; of these 6 (100%) 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, Phasmatodea

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.

Acknowledgements

For checking the english text we want to thank Dr. B.J. Sinclair (ZFMK, Bonn).

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
Phasmatodea	2		7			1			

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

Phasmatodea

adelpa, Sipyloidea

Günther, 1940

Günther, 1940: Decheniana 99 B(2): 245

PHA 2001/41 **Holotype** 1 adult male

Kuatun (2300m) 27.40 n.Br., 117.40 ö.L., J. Klapperich, 17.6.1938 (Fukien) --- Typus --- Dr. K. Günther det., 1939:

Sipyloidea adelpa n. sp.

17.6.1938

Kuatun, Wuyi Shan (mts.), Fujian, China, Asia

117°40'00" O 27°40'00" N

crassithorax, Spinohirasea

O. Zompro, 2001

Zompro, 2001: Bonn. Zool. Beitr. 50(1-2): 68

PHA 2004/1 **Holotype** 1 adult male

10.7.'97 --- Bau Tay --- VIETNAM südl. Nordvietnam, Provinz Ha Tinh, --- Tieflandregenwald nahe Dorf Ky Thuong,

--- Funde auf Exkursion entlang des Baches Bau Tay, --- N 18°00' E 106°06', ca. 125m ü NN, 10.VII.1997, ---

leg. T. Ziegler, in copula --- *Spinohirasea crassithorax* male --- Zompro n. gen. n. sp.

10.7.1997

Ky Thuong, Ha Tinh, Vietnam, Asia

00°01'06" O 00°00'18" N

PHA 2004/2 **Paratype** 1 adult female

10.7.1997

Ky Thuong, Ha Tinh, Vietnam, Asia

00°01'06" O 00°00'18" N

difficilis, Micadina

Günther, 1940

Günther, 1940: Decheniana 99 B(2): 237

PHA 2001/35 **Syntype** 1 adult male

Kwangtseh - Fukien, J. Klapperich, 15.7.1937 --- Typus --- Dr. K. Günther det., 1939: *Micadina difficilis* n.sp.

15.7.1937

Kwangtseh (= Hangchuan), Wuyi Shan (mts.), Fujian, China, Asia

117°24'00" O 27°30'00" N

involuta, Micadina

Günther, 1940

Günther, 1940: Decheniana 99 B(2): 238

PHA 2001/40 **Syntype** 1 adult male
 Kwangtseh-Fukien, J. Klapperich, 25.7.1937 --- Typus --- Dr. K. Günther det., 1939, *Micadina involuta* n. sp.
 25.7.1937
 Kwangtseh (= Hangchuan), Wuyi Shan (mts.), Fujian, China, Asia
 117°24'00" O 27°30'00" N

klapperichi, Sinophasma

Günther, 1940

Günther, 1940: Decheniana 99 B(2): 240

PHA 2001/29 **Syntype** 1 adult male
 Kwangtseh-Funkien, J. Klapperich 0 , 25.7.1937 --- Typus --- Dr. K. Günther det, 1939: *Sinophasma klapperichi* n.sp.,
 male
 25.7.1937
 Kwangtseh (= Hangchuan), Wuyi Shan (mts.), Fujian, China, Asia
 117°24'00" O 27°30'00" N

PHA 2001/30 **Syntype** 1 adult female
 Kwangtseh-Fukien, J. Klapperich 0 , 19.8.1937 --- (handschriftl. Allo-) Typus --- Dr. K. Günther det, 1939: *Sinophasma*
klapperichi n.sp., female
 19.8.1937
 Kwangtseh (= Hangchuan), Wuyi Shan (mts.), Fujian, China, Asia
 117°24'00" O 27°30'00" N

PHA 2001/31 **Syntype** 1 adult male
 Kwangtseh-Fukien, J. Klapperich 0 , 25.7.1937 --- Paratypus --- Dr. K. Günther det, 1939: *Sinophasma klapperichi*
 n.sp., male
 25.7.1937
 Kwangtseh (= Hangchuan), Wuyi Shan (mts.), Fujian, China, Asia
 117°24'00" O 27°30'00" N

mirabile, Sinophasma

Günther, 1940

Günther, 1940: Decheniana 99 B(2): 242

PHA 2001/32 **Syntype** 1 adult male
 Kuatun (2300m) 27.40 n.Br., 117.40 ö.L., J. Klapperich, 16.7.1938 (Fukien) --- Typus --- Dr. K. Günther det., 1939:
Sinophasma mirabile n.sp., male
 16.7.1938
 Kuatun, Wuyi Shan (mts.), Fujian, China, Asia
 117°40'00" O 27°40'00" N

PHA 2001/33 **Syntype** 1 adult female
 Kuatun (2300m) 27.40 n.Br., 117.40 ö.L., J. Klapperich, 17.7.1938 --- Allotypus --- Dr. K. Günther det, 1939:
Sinophasma mirabile n.sp., female
 17.7.1938
 Kuatun, Wuyi Shan (mts.), Fujian, China, Asia
 117°40'00" O 27°40'00" N

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