



**Kataloge**

**Band 21**

der wissenschaftlichen Sammlungen  
des  
Naturhistorischen Museums in Wien

**Myriapoda**

**Heft 3**



**Verena STAGL, Marzio ZAPPAROLI**

Type specimens of the  
Lithobiomorpha (Chilopoda) in the  
Natural History Museum in Vienna



Verlag des  
Naturhistorischen  
Museums Wien  
ISBN 3-902 421-16-9



# **Kataloge            Band 21**

**der wissenschaftlichen Sammlungen  
des  
Naturhistorischen Museums in Wien**

**Myriapoda**

**Heft 3**

**Verena STAGL, Marzio ZAPPAROLI**

**Type specimens of the  
Lithobiomorpha (Chilopoda) in the  
Natural History Museum in Vienna**

**Verlag des  
Naturhistorischen  
Museums Wien  
ISBN 3-902 421-16-9**

**Stagl, V., Zapparoli, M.:**

Type specimens of the Lithobiomorpha (Chilopoda) in the Natural History Museum in Vienna. –  
Kataloge der wissenschaftlichen Sammlungen des Naturhistorischen Museums in Wien,

Band 21: Myriapoda, Heft 3.

Wien: Verlag NHMW November 2006. 49 S.

ISBN 3-902 421-16-9



Für den Inhalt sind die Autoren verantwortlich.

Alle Rechte vorbehalten.

Copyright 2006 by Naturhistorisches Museum Wien, Austria.

ISBN 3-902 421-16-9

Verlag: Naturhistorisches Museum Wien  
Burggring 7, A-1010 Wien, Austria.

Druck: GRASL Druck & Neue Medien

Layout und Cover-Design: Josef Muhsil-Schamall

Catalogue front cover: *Henicops caeculus* BROLEMANN, 1889 modified after BERLESE 1892;  
*Lithobius pusillus* LATZEL, 1880 modified after BERLESE 1888;  
*Lithobius leptopus* LATZEL, 1880 modified after BERLESE 1890

# Type specimens of the Lithobiomorpha (Chilopoda) in the Natural History Museum in Vienna

Verena Stagl<sup>1</sup>, Marzio Zapparoli<sup>2</sup>

## Abstract

The present annotated type catalogue lists the type series of the Lithobiomorpha (Chilopoda) collection housed in the Natural History Museum in Vienna (NHMW). Altogether, 110 types belonging to the families Henicopidae and Lithobiidae are registered – 80 species, 17 subspecies and 13 variations. The types were established by Carl Attems (65), Robert Latzel (22), Karl W. Verhoeff (8), Henri W. Brolemann (5), Anton Sseliwanoff (3), two each by Ludek J. Dobroruka and Robert Latzel & Erich Haase, one each by Ludwig Koch, Erich Haase and Filippo Silvestri. The type list in alphabetical order provides information on the current status, the category of types, the sex and number of specimens, the type locality and often includes remarks on the history of acquisition and possible ambiguities in the identification.

## Zusammenfassung

Der vorliegenden Typenkatalog listet die in der Myriapoden Sammlung des Naturhistorischen Museums in Wien (NHMW) vorhandenen Typenserien der Lithobiomorpha (Chilopoda) auf. Insgesamt 110 Typenserien werden erfasst; 80 Arten, 17 Unterarten und 13 Varietäten, aus den Familien Henicopidae und Lithobiidae. Die Typen stammen von Carl Attems (65), Robert Latzel (22), Karl W. Verhoeff (8), Henri W. Brolemann (5), Anton Sseliwanoff (3), je zwei von Ludek J. Dobroruka und Robert Latzel & Erich Haase und je einer von Ludwig Koch, Erich Haase und Filippo Silvestri. Die Liste, in alphabetischer Reihenfolge, beinhaltet Informationen über den aktuellen Stand der Nomenklatur, der Typenkategorie, Geschlecht und Anzahl der Individuen, des Locus typicus und gegebenenfalls auch nähere Angaben über die Akquisitionen der einzelnen Serien und Kommentare zu Unklarheiten.

## Introduction

Well-organized museum collections are undoubtedly the most important prerequisites for systematic and taxonomic research. The myriapod collection of the Natural History Museum in Vienna (NHMW) is one of the largest and most important worldwide. Especially the high number of deposited type specimens is crucial for taxonomists; available type catalogues are a prerequisite for their work (WIRKNER et al. 2002, STAGL & STOEV 2005).

Carl Attems (1868–1952), one of the very distinguished persons in the history of myriapodology, was active in the Viennese collection for nearly sixty years until his death in 1952 (STROUHAL 1961, STAGL 2001). His scientific work gave the collection its renown. Attems examined collections from all over the world for his taxonomic studies and he exchanged material with other specialists. The myriapod collection in

<sup>1</sup> Naturhistorisches Museum Wien, 3. Zoologische Abteilung, Burgring 7, A-1010 Wien, Austria E-mail: [verena.stagl@nhm-wien.ac.at](mailto:verena.stagl@nhm-wien.ac.at)

<sup>2</sup> Dipartimento di Protezione delle Piante, Via san Camillo de Lellis snc, 01100 Viterbo, E-mail: [zapparol@unitus.it](mailto:zapparol@unitus.it)

the NHMW, however, houses not only Attems' private collection but also contains the museum's original collection. Already in 1869, the whole myriapod collection (362 series) of the so-called k.k. Zoologische Hof-Cabinet – the institution preceding the museum of today – was sent to Alois Humbert und Henri de Saussure to Geneva on loan. The two scientists examined the collection and described some new species (STAGL 2003).

The collection was enlarged enormously upon receiving the Robert Latzel collection (STAGL & MILDNER 2001). In 1884, Robert Latzel (1845–1919) sold 125 series with 1098 specimens; the main part (420 series and 7000 specimens) was sent to the museum by Robert Latzel's wife Hedwig only a few days before his death in late 1919. The museum received not only types from Latzel himself but also from other authors like Erich Haase, Ludwig Koch, Filippo Silvestri, Anton Sseliwanoff and Henri W. Brolemann.<sup>3</sup>

Karl Wilhelm Verhoeff (1867–1945) sold parts of his collection to the NHMW in 1896, 1897, 1899, 1908, 1909, and 1940. Furthermore, in 1935, the Museum obtained numerous myriapods from him by exchange.

The Lithobiomorpha collection contains about 250 species, subspecies and variations in hundreds of lots. They originated from Attems' private collection and from the original museum collection, but both are merged today. Specimens are stored in glass tubes and preserved in 75 % ethanol; even micro-slides are available.

Altogether, the types of 80 species, 17 subspecies and 13 variations are listed and arranged alphabetically.

The majority are types from Carl Attems (65), followed by those from Robert Latzel (22) and Karl W. Verhoeff (8). Five types came from Henri W. Brolemann, three from Anton Sseliwanoff, two from Ludek J. Dobroruka, two from Robert Latzel & Erich Haase, one each from Ludwig Koch, Erich Haase and Filippo Silvestri. For 11 species, one of us (MZ) designated lecto- and paralectotypes, and Greg Edgecombe designated paralectotypes for one species of Henicopidae.

The earlier specialists typically did not specify the types, so the type status had to be carefully proved. For this purpose, data were obtained from the books of acquisition and inventory, the Attems catalogue, the labels in the vials and the original description.

Difficulties were often encountered in identifying locality specifications. The data are obscure; sometimes only the local name is known and some names are no longer in use today. Several locations are within the territories of other countries than before and have undergone complete name changes. Latzel generally did not specify localities, either in the original descriptions or on his labels in the jars. Rather, he broadly summarized the localities, for example "Österreichische Küstenlande, Kärnten, or Niederösterreich". The book of acquisitions of 1884, however, contains detailed local information, written in red ink by Latzel himself (STAGL 2001, STAGL & MILDNER 2001).

The number of specimens available to the author is often not stated in the original description. This allows us to use the term "holotype" only in those rare cases when the author indicates only one specimen at his disposal; otherwise, we use the term "syntype".

---

<sup>3</sup> We adopt JEEKEL's (2005) proposal in writing the name of Brolemann consequently without diersis.

Every series is annotated with an inventory number of the NHMW. The lots of the original museum collection have another number, the so-called "acquisition date". In the books of acquisition, the stocks are listed in chronological order – indicated by Roman numerals and single series in Arabic numerals. Listed are all series that were included in the collection by donation, purchase or by exchange.

The following information is given in the type-list:

- the species name, arranged alphabetically, with the reference of the description;
- current systematic status with additional references when it has changed recently;
- family to which the species belongs;
- the category of the type (syntype/s, holotype or lectotype and paralectotype/s with the designator (des.) and the year); the number and sex of the specimens ( $\sigma/\sigma$  = male/males,  $\varphi/\varphi$  = female/females, juv. = juveniles, immature/immatures); it is stated when the specimens are dissected or defective, when parts are missing; different series a), b), c)... are separated by a hyphen (-);
- the type locality; locality name in English, sometimes local specification in the native notation; original local specification – very often difficult to identify – in quotation marks; in brackets the name of the person who collected (coll.) and donated (don.) the specimens;
- the inventory number and the number of the acquisition, the latter in parenthesis;
- notes if necessary.

### Catalogue of the type specimens

#### *alarichi* ATTEMS

*Polybothrus praecursor alarichi* ATTEMS, 1934: 317

**Current status:** junior synonym of *Eupolybothrus (Eupolybothrus) fasciatus* (NEWPORT, 1844) according to ZAPPAROLI (1986: 318)

**Family:** Lithobiidae

**Type material:** 1  $\sigma$  (lectotype, des. Marzio ZAPPAROLI 1986)

**Type locality:** Italy, by the river Busento near Cosenza [don. Museum Hamburg]

**Inventory number:** 3927

#### *anodus* LATZEL

*Lithobius anodus* LATZEL, 1880b: 88

**Current status:** valid species; VERHOEFF (1904: 147) placed *Lithobius anodus* in the new genus *Harpolithobius*, a taxon unanimously recognized also by modern European authors (e.g. MATIC 1966: 78, EASON 1982: 12, KOS 1992: 356, STOEV 1997: 53, FODDAI et al. 1995: 7)

**Family:** Lithobiidae

**Type material:** 4  $\sigma$ , 1  $\varphi$  (syntypes)

**Type locality:** for Latzel typical imprecise specification: "Ostalpen, österreichische Küstenlande" [coll. don. Robert Latzel]

**Inventory number:** 3941 [Acquisition 1919.]

**Notes:** Latzel had only these five specimens at his disposal; another lot (13 ♂♂, 7 ♀♀) was donated by Robert Latzel in 1919, and is labelled as *L. anodus dionyx* (obviously only a manuscript name) with the localities Galizia (now part of Poland), Hungary, Croatia; type species of *Harpolithobius* (JEEKEL 2005).

### ***arcticus* ATTEMS**

*Monotarsobius arcticus* ATTEMS, 1909a: 39

**Current status:** junior synonym of *Lithobius (Ezembius) stejnegeri* BOLLMAN, 1893 according to CHAMBERLIN (1923: 241, 1946: 177) (see also ZALESSKAJA 1978: 122, EASON 1996: 118)

**Family:** Lithobiidae

**Type material:** 5 ♂♂, 3 ♀♀ (syntypes)

**Type locality:** Bering Sea, NE Russia, Komandorskie Islands, Beringa Ostrov "Bering Insel" [coll. Vega Expedition, 14.–19.08.1879, don. Leonhard A. Jäger-skiöld, Museum Göteborg]

**Inventory number:** 3944

**Notes:** as a historical remark, it may be noted that the syntypes of this species, as well as those of *Monotarsobius tricalcaratus* ATTEMS, 1909 (see below), were collected during the first successful navigation of the North East Passage, completed by Adolf Erik Nordenskiöld (1832–1901), Swedish naturalist and polar explorer, aboard the ship Vega in July 1879.

### ***argaensis* ATTEMS**

*Lithobius (Pleuroolithobius) argaensis* ATTEMS, 1905: 164

**Current status:** junior synonym of *Lithobius (Lithobius) parvicornis* (PORAT, 1893) see ZAPPAROLI (1991: 25), now placed into the subgenus *Porobius*, see ZAPPAROLI (1999: 132)

**Family:** Lithobiidae

**Type material:** a) 1 ♀; - b) 5 ♀♀; (syntypes)

**Type locality:** Turkey, Anatolia, Erciyas Dagi, Mt. Lifos, 2000 m [coll. don. Arnold Penther 1902]

**Inventory number:** a) 1341; - b) 3940

### ***asperatus* L. KOCH**

*Lithobius asperatus* L. KOCH, 1878: 788

**Current status:** junior synonym of *Bothropolys rugosus* (MEINERT, 1872) according to EASON (1974b: 20)

**Family:** Lithobiidae



**Type material:** 1 ♂ with only the first genital sternite, 1 ♀, 1 specimen with totally dissected genital area (syntypes)

**Type locality:** Japan [coll. Albrecht Roretz, don. Robert Latzel and Karl Koelbel]

**Inventory number:** 1052 (Acquisition 1879.I.3, 1919.)

**Notes:** in Carl Attems' file, only two individuals are mentioned, collected by Albrecht Roretz and donated in 1919 by Robert Latzel; the curator Karl Kölbl registered in the book of acquisitions two individuals of *Lithobius asperatus* from Japan he obtained in 1879 together with other of Ludwig Koch's specimens from Japan.

### *aspersus* ATTEMS

*Lithobius asperus* ATTEMS, 1899: 294

**Current status:** valid species?; under *Lithobius (Lithobius)* LEACH, 1814 according to KOS' check-list of the centipedes of former Yugoslavia (1992: 356) and STOEV's check-list of Balkan centipedes (1997: 99)

**Family:** Lithobiidae

**Type material:** 1 ♂, 2 ♀♀ (syntypes)

**Type locality:** Croatia, Monte Maggiore near Opatija "Stephanie Schutzhaus" [coll. Carl Attems 02.05.1893]

**Inventory number:** 3943

### *aulacopus* LATZEL

*Lithobius aulacopus* LATZEL, 1880b: 84

**Current status:** junior synonym of *Lithobius macilentus* L. KOCH, 1862, according to EASON (1972b: 129)

**Family:** Lithobiidae

**Type material:** a) 6 ♂♂, 4 ♀♀, juv. ♀, 1 immature; - b) 5 ♂, 10 ♀♀ (in bad condition); (syntypes)

**Type locality:** Austria: a) Oberösterreich, Kirchdorf; Salzburg, Untersberg; Steiermark, Graz; - b) "österr. Alpenländer" [coll. don. Robert Latzel]

**Inventory number:** a) 2083 (Acquisition 1884.I.13); - b) 1061 (Acquisition 1919.)

**Notes:** most of the specimens in vial b) were completely macerated; four further syntypes from Salzburg, Robert Latzel leg., are preserved in the Zoologisches Museum Berlin (ZMB) (MORITZ & FISCHER 1979: 314).

### *berkeleyensis* VERHOEFF

*Lithobius (Paobius) berkeleyensis* VERHOEFF, 1937: 242

**Current status:** valid species, but its status has never been revised since the original description

**Family:** Lithobiidae

**Type material:** 2 ♀♀ (syntypes)

**Type locality:** USA, California, Berkeley [coll. Abraham E. Michelbacher, don. Karl W. Verhoeff 1.7.1940]

**Inventory number:** 1065

**Notes:** Karl W. Verhoeff's specimens in the NHMW are labelled only "Californien"; further three syntypes from "Berkeley, Kalifornien" are also preserved in the ZMB (MORITZ & FISCHER 1979: 314).

### ***bosniensis* LATZEL**

*Lithobius grossipes* var. *bosniensis* LATZEL, 1888b: 93

**Current status:** uncertain status, probably the same as *Eupolybothrus* (*Eupolybothrus*) *grossipes* (C. L. KOCH, 1847) but identity with *E. (E.) litoralis* (L. KOCH, 1867) is not excluded

**Family:** Lithobiidae

**Type material:** Robert Latzel labelled: "bright (hell) specimens: Dalmatia, dark (dunkel) specimens: Bosnia"; the specimens are easily distinguishable; bright: 6 ♂♂, 7 ♀♀ (no syntypes); - dark: 6 ♂♂, 5 ♀♀, 1 immature (syntypes)

**Type locality:** Bosnia, detailed localities are only mentioned in Latzel's paper: Celebic, Foca "Rjekathal bei Celebic" [coll. Justyn Karlinski 1887, don Robert Latzel]

**Inventory number:** 1380 (Acquisition 1919.)

**Notes:** although Latzel's original identification label is "*L. grossipes* var. *bosniensis*", CARL ATTEMS labelled the NHMW specimens as "*Polybothrus fasciatus bosniensis*"; JEEKEL (1967) mentioned *Eupolybothrus fasciatus* ssp. *bosniensis* (LATZEL, 1888) as well; EASON (1970: 290) listed the specimens from Bosnia and Herzegovina identified as *Lithobius* (*Polybothrus*) *fasciatus bosniensis* by VERHOEFF (1900) under *E. (E.) fasciatus* (NEWPORT, 1844), an endemic species of the Italian Apennines (FODDAI et al. 1995); not included in KOS' (1992) and STOEV's (1997) check-list of Balkan centipedes.

### ***bostryx* BROLEMANN**

*Lithobius bostryx* BROLEMANN, 1897: 29

**Current status:** valid species, under *Lithobius* LEACH, 1814 according to BROLEMANN (1930: 287)

**Family:** Lithobiidae

**Type material:** 1 ♂ (syntype)

**Type locality:** France, Pyrénées-Atlantiques, "Basses-Pyrénées", Ahusquy [coll. Henri Brolemann 09. 1896, don. Henri Brolemann 05.09.1898]

**Inventory number:** 3945

***cacodontus* ATTEMS**

*Lithobius cacodontus* ATTEMS, 1904: 116

**Current status:** junior synonym of *Lithobius (Ezembius) giganteus* SSELIWANOFF, 1881 according to EASON (1986a)

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (syntypes)

**Type locality:** Kyrgyzstan, Tien Shan, the locality labelled as "Ütsch-kili-Tasch" and in the Attems' paper indicated as "Etschkeli-Tasch", which is located at the upper reaches of the Sary-Dshas, 2980–3100 m [coll. György Almassy & Rudolf Stummer 25.08.1900, don. György Almassy & Rudolf Stummer]

**Inventory number:** 1933

**Notes:** ATTEMS (1927a: 243) designated *L. cacodontus* as the type-species of *Porobius* ATTEMS, 1926, subgenus of *Lithobius* LEACH, 1814 according to ATTEMS (1938: 344); EASON (1986a: 183) borrowed the two specimens for the redescription of the species.

***caeculus* BROLEMANN**

*Lithobius caeculus* BROLEMANN, 1889: 273, fig. 1

**Current status:** valid species, under *Lamyctes* MEINERT, 1868 (see EDGECOMBE & GIRIBET 2003: 152)

**Family:** Henicopidae

**Type material:** a) 1 ♀; - b) 3 (not in good condition), 1 juv; (syntypes)

**Type locality:** Italy, Milano [a] coll. Henri Brolemann 02.11.1887, don. Henri Brolemann 12. 1898; - b) coll. Henri Brolemann, don. Robert Latzel]

**Inventory number:** a) 3899; - b) 4391 [Acquisition 1919.]

**Notes:** the original name, clearly deriving from the latin word *caecus* (= eyeless), was printed in BROLEMANN's (1889) original paper in the old-fashioned way of writing the latin diphthong "ae", with the two vowels very close together instead of separated, clearly not intending "oe"; BERLESE (1882) transferred *caeculus* in the henicopid genus *Henicops* NEWPORT, 1844, at the time considered a senior synonym of *Lamyctes* (see LATZEL 1880b), a genus later reevaluated by POCOCK (1901) and including *caeculus* according to ATTEMS (1909b); SILVESTRI (1909: 39), misinterpreting the original and BERLESE and ATTEMS subsequent spelling, used for this species the latin epithet "*coeculus*", a term afterwards adopted by all authors, and erected the new genus *Lamyctinus*, a taxon he distinguished from *Lamyctes* by the absence of ocelli, designating *Lithobius coeculus* [sic] as the type species; BROLEMANN (1930: 337) considered this distinction as insignificant, a fact recently confirmed by EDGECOMBE & GIRIBET (2003: 152) based on molecular sequence data analysis (see also HOLLINGTON & EDGECOMBE 2004: 23).

**caesar** VERHOEFF

*Lithobius (Polybothrus) caesar* VERHOEFF, 1899: 455, fig. IV

**Current status:** valid species, under *Eupolybothrus (Schizopolybothrus)* VERHOEFF, 1934 according to JEEKEL (1967: 170) and ZAPPAROLI (1994: 31)

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (syntypes)

**Type locality:** Greece, Corfu [coll. and don. Karl W. Verhoeff]

**Inventory number:** 1452

**Notes:** two more syntypes from Corfu are also preserved in the ZMB (MORITZ & FISCHER 1979: 316); type-species of *Schizopolybothrus* (JEEKEL 1963, 2005).

**calcaratus** ATTEMS

*Anopsobius patagonicus calcaratus* ATTEMS, 1928: 74, figs 18-22

**Current status:** valid subspecies, under *Anopsobius* SILVESTRI, 1899 (see HOLLINGTON & EDGEcombe 2004: 25)

**Family:** Henicopidae

**Type material:** a) 6 microslides (arranged by Carl Attems) with female and male whole bodies, antennae, coxosterna, mouth parts, legs, gonopods (syntypes); b) 2 ♀♀ and 11 microslides (♂), histological preparation (arranged by Carol Prunescu) (syntypes)

**Type locality:** South Africa, Cape Province a) b) Cape Peninsula, Table Mountain, Platteklip Ravine and "Capeland" [don. Mus. Cape town]

**Inventory numbers:** a) 4397; - b) 3814

**Notes:** one female syntype was made available to Carol Prunescu for histological studies in 2002; after paraffin embedding, histological thin sections of 4 µm were prepared and stained with Hemalaun-Eosin (H-E), dehydrated and mounted in Eukitt.

**canalensis** ATTEMS

*Lithobius (Alokobius) canalensis* ATTEMS, 1952: 343

**Current status:** junior synonym of *Lithobius hispanicus* MEINERT, 1872 according to EASON's (1974b: 34) assumption, later confirmed by ZAPPAROLI (1984d: 8)

**Family:** Lithobiidae

**Type material:** 1 ♂ (lectotype des. Marzio ZAPPAROLI 1983), 1 ♀ (paralectotype des. Marzio ZAPPAROLI 1983)

**Type locality:** Spain, Sierra de Guadarrama, Mt. Canal/Villalba [coll. don. Herbert Franz 1951]

**Inventory number:** 3938

**Notes:** Ralph E. Crabill, 15.07.1964 (unpublished), reviewed the specimens and signed them as syntypes of *L. canalensis*.

**castanea** ATTEMS

*Lamyctes castanea* ATTEMS, 1909b: 10, figs 58-61

**Current status:** valid species under *Lamyctes* (*Metalamyctes*) VERHOEFF, 1941 (see EDGECOMBE & GIRIBET 2003: 3, HOLLINGTON & EDGECOMBE 2004: 24)

**Family:** Henicopidae

**Type material:** 2 ♂♂, 2 ♀♀, 2 microslides (parts) (syntypes)

**Type locality:** South Africa, Cape, "cape flats" [coll. L. Schultze during the "Forschungsreise im westlichen und zentralen Südafrika" September 1904]

**Inventory number:** 3905

**Notes:** syntypes (totally macerated) from "Kapland, Schultze leg. September 1904" are also preserved in the ZMB (MORITZ & FISCHER 1979: 316).

**caucasica** ATTEMS

*Lithobius pusillus* var. *caucasica* ATTEMS, 1907a: 7

**Current status:** uncertain status; although without reference to the var. *caucasica*, ZALESSKAJA (1978: 137) quoted the ATTEMS' (1907a) original record under *Lithobius pusillus* LATZEL, 1880

**Family:** Lithobiidae

**Type material:** 1 ♂ (syntype)

**Type locality:** Georgia, Bat'umi [coll. Anton J. Stuxberg 1897, don. Leonhard A. Jägerskiöld]

**Inventory number:** 4020

**circula** ATTEMS

*Lithobius peregrinus* *circula* ATTEMS, 1902: 551

**Current status:** junior synonym of *Lithobius nigripalpis* L. KOCH, 1867 according to EASON (1990: 261), see also ZAPPAROLI (1994: 45)

**Family:** Lithobiidae

**Type material:** a) 1 ♀ (lectotype, des. Marzio ZAPPAROLI 1986), 3 ♀♀, 5 ♂♂, 3 juv. (paralectotypes); - b) 1 ♂, 1 ♀ (paralectotypes); - c) 1 ♀ (paralectotype); - d) 1 ♂ (paralectotype); - e) 3 juv. (paralectotypes); - f) 1 ♂, 1 ♀, 2 juv. (paralectotypes)

**Type locality:** Greece, Crete: a) Askifu; - b) Agia Rumeli; - c) Galos; - d) İmbros-Schlucht; - e) Asomatos; - f) Daphnes [coll. Carl Attems]

**Inventory number:** a) 3981; - b) 3980; - c) 3982; - d) 3983; - e) 3984; - f) 3985

***cyrtopus* LATZEL**

*Lithobius cyrtopus* LATZEL, 1880b: 93

**Current status:** valid species, under *Lithobius* LEACH, 1814 according to EASON (1982: 14)

**Family:** Lithobiidae

**Type material:** a) 8 ♂♂, 8 ♀♀, 3 immatures; - b) 64 ♂♂, 46 ♀♀, 17 immatures; (syntypes)

**Type locality:** a) Czech Republic: "Mähren Tessthal"; Mt. Praded "Schlesien, Altvater"; Mt. Sniezka "Böhmen Schneekoppe"; Mts. Tatry "Oberungarn, Tatra"; - b) "Sudetenländer" [coll. don. Robert Latzel]

**Inventory number:** a) 1078 (Acquisitions 1884.I.15); - b) 1080 (Acquisition 1919.)

**Notes:** according to Ivan Tuf (2004, in litteris) it is not possible to decode the old locality name "Tessthal", probably only a local name no longer in use; five syntypes from "Böhmen, Latzel leg." are also preserved in the ZMB (MORITZ & FISCHER 1979: 317).

***czekanowski* SSELIWANOFF**

*Lithobius czekanowski* SSELIWANOFF, 1881: 130, fig. 7

**Current status:** probably a junior synonym of *Lithobius princeps* STUXBERG, 1876 according to EASON (1976: 100)

**Family:** Lithobiidae

**Type material:** 1 ♂, 2 ♀♀ (syntypes)

**Type locality:** Russia, W-Siberia [don. Anton W. Sseliwanoff to Robert Latzel, who donated the specimens to the museum in 1919]

**Inventory number:** 1315 [Acquisition 1919.]

**Notes:** the type status of the NHMW material is not entirely certain; Latzel received the specimens from Anton Sseliwanoff; the original description is based on specimens collected in the Lower Tunguska, a river in W-Siberia.

***dalmaticus* LATZEL**

*Lithobius dalmaticus* LATZEL, 1880b: 61

**Current status:** synonym of *Lithobius peregrinus* LATZEL, 1880 according to ZAPPAROLI (1992: 167)

**Family:** Lithobiidae

**Type material:** 1 ♂ (lectotype, des. Marzio ZAPPAROLI 1988)

**Type locality:** Dalmatia, near Dubrovnik [coll. Rudolf Fischer Benzon, don. Robert Latzel]

**Inventory number:** 1088 [Acquisition 1919.]

***dawydoffi* ATTEMS**

*Pokabius erratus* (nom. nov.) *dawydoffi* ATTEMS, 1938: 349

**Current status:** uncertain status; subspecies of *Lithobius erratus* (ATTEMS, 1938), new name for *Paobius sulcipes* ATTEMS, 1927, secondary homonym of *L. sulcipes* STUXBERG, 1876 (see ATTEMS 1938: 303, EASON 1976: 101); the identity of *Pokabius erratus dawydoffi* has never been revised by modern authors since its original description; originally described under *Pokabius* CHAMBERLIN, 1912, a genus erected to accommodate a number of North American species probably separate from the E. Asiatic forms (*P. e. erratus*, *P. e. dawydoffi*), subgenus of *Lithobius* LEACH, 1814 according to ATTEMS (1953: 136), taxon of uncertain identity according to EASON (1974a); *P. e. dawydoffi* probably belongs to *Lithobius* (*Ezembius*) CHAMBERLIN, 1923, according to EASON (1981: 337)

**Family:** Lithobiidae

**Type material:** 1 ♂ (holotype)

**Type locality:** Vietnam (Tonkin), Mong Cai [coll. Constantin Dawydoff 1930–35]

**Inventory number:** 3957

***dawydoffi* ATTEMS**

*Anopsobius* (*Anopsobiella*) *dawydoffi* ATTEMS, 1938: 351, figs 316-320

**Current status:** valid species under *Anopsobiella* ATTEMS, 1938 (see PRUNESCU & PRUNESCU 2004, HOLLINGTON & EDGEcombe 2004), type species of *Anopsobius* (*Anopsobiella*) ATTEMS, 1938 (see HOLLINGTON & EDGEcombe 2004, JEEKEL 2005)

**Family:** Henicopidae

**Type material:** a) 1 ♂, 18 microslides, histological preparation (arranged by Carol Prunescu 2004) (syntype); - b) 1 immature (syntype)

**Type locality:** Asia, Vietnam, S-Annam; a) Cau Da (Nhatrang); - b) Dai Lanh "Cap Varella" [coll. don. Constantin Dawydoff 1930-35]

**Inventory number:** a) 3815; - b) 3816

**Notes:** the syntype male a) was made available to Carol Prunescu for histological studies in 2001; he examined the genital system; after paraffin embedding, histological thin sections of 4 µm were prepared and stained with Hemalaun-Eosin (H-E), dehydrated and mounted in Eukitt.

***denticulata* ATTEMS**

*Lamyctes denticulata* ATTEMS, 1907c: 423, Textfig. II

**Current status:** valid species, under *Lamyctopristus* (*Eumyctes*) CHAMBERLIN, 1951, according to CHAMBERLIN (1951: 109) (see also HOLLINGTON & EDGEcombe 2004: 24, as *L. (E.) denticulatus*)

**Family:** Henicopidae

**Type material:** 1 defective specimen (syntype)

**Type locality:** South Africa, Simonstad "Simonstown, Rifle Range unter einem Stein" [coll. during the "Deutschen Südpolar Expedition" by Ernst Vanhöffen, 26.07.1903]

**Inventory number:** 1473

**Notes:** EDGECOMBE & GIRIBET (2003: 3) consider the type species of *Lamyctes* (*Eumyctes*), *Henicops sinuatus* PORAT, 1893 to be more closely related to *Lamyctopristus* ATTEMS, 1928 than to *Lamyctes* MEINERT, 1868 and infer that other species such as *L. denticulatus* are not members of the genus *Lamyctes*; another defective syntype from "Simonstown, Kapland" is stored in the ZMB (MORITZ & FISCHER 1979: 318).

### ***denticulata* ATTEMS**

*Lithobius pusillus denticulata* ATTEMS, 1904: 179

**Current status:** uncertain status; probably a subspecies of *Lithobius lapidicola* MEINERT, 1872 according to EASON (1974b: 36), not included in Kos' (1992) check-list of the centipedes of former Yugoslavia; listed under *Lithobius lapidicola* in STOEV's (1997) check-list of Balkan centipedes and ZAPPAROLI's (2002: 28) catalogue of Greek centipedes

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (syntypes)

**Type locality:** Montenegro, Herceg–Novi, "Dalmatia, Castelnuovo" [coll. don. Karl Holdhaus 1903]

**Inventory number:** 4019

### ***dolomiticus* ATTEMS**

*Lithobius dolomiticus* ATTEMS, 1903: 24

**Current status:** junior synonym of *Lithobius tricuspis* MEINERT, 1872 according to EASON (1974b: 16)

**Family:** Lithobiidae

**Type material:** 1 ♂ (holotype)

**Type locality:** Austria, Tyrol "Rosengartengruppe, Grasleitenhütte" [coll. probably Carl Attems 05.08.1899]

**Inventory number:** 4144

**Notes:** ATTEMS (1927a: 247) considered *dolomiticus* as a subspecies of *L. tricuspis* and labelled the lot: "*L. tricuspis dolomiticus*, type of *L. dolomiticus*".

### ***dubosqui* BROLEMANN**

*Lithobius (Oligobothrus) dubosqui* BROLEMANN, 1896: 116

**Current status:** junior synonym of *Lithobius microps* MEINERT, 1868 according to EASON (1974b: 4, 7), a species currently referred to *Lithobius (Sigibius)* CHAMBERLIN, 1913 (see EASON 1983, 1993)



**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (syntypes)

**Type locality:** France, Manche, Coutances [coll. M.? (probably Octave) Duboscq, don. Henri Brolemann]

**Inventory number:** 3977

### *egens* ATTEMS

*Lithobius nigripalpis egens* ATTEMS, 1951a: 400, fig. 13

**Current status:** uncertain status, probably a junior synonym of *Lithobius viriatus* SSELIWANOFF, 1880 (Marzio Zapparoli unpublished)

**Family:** Lithobiidae

**Type material:** 1 ♂ (lectotype, des. Marzio ZAPPAROLI 1986 unpublished)

**Type locality:** Iran, Sabzawaran, palm grove [coll. don. Heinz Löffler 1949/50]

**Inventory number:** 4521

### *egregius* ATTEMS

*Lithobius (Alokobius) egregius* ATTEMS, 1938: 348

**Current status:** although ATTEMS (1953: 139) confirmed the original generic and subgeneric classification and the status of valid species of this taxon, the identity of *Lithobius egregius* has never been revised by modern authors since its original description; EASON (1974a) considered *Lithobius (Alokobius) ATTEMS*, 1926 to be without any taxonomic significance; as the number of antennal articles exceeds 24, *L. egregius* would be placed in *Lithobius (Lithobius)* LEACH, 1814

**Family:** Lithobiidae

**Type material:** 1 ♂ (holotype)

**Type locality:** Vietnam "Annam", Ba Na [coll. Constantin Dawydoff 21.10.1931]

**Inventory number:** 3958

### *ferraniensis* VERHOEFF

*Lithobius acuminatus ferraniensis* VERHOEFF, 1925: 382

**Current status:** uncertain status, probably no more than a variation of *Lithobius cassinensis* VERHOEFF, 1925 according to EASON (1983: 131)

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (syntypes)

**Type locality:** Liguria [don. Karl W. Verhoeff 01.07.1940]

**Inventory number:** 1054

***fissuratus* ATTEMS**

*Lithobius (Australobius) fissuratus* ATTEMS, 1934: 316

**Current status:** valid species, probably belonging to *Lithobius (Ezembius)* CHAMBERLIN, 1919 according to EASON (1978: 23)

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (syntypes)

**Type locality:** Russia, Vladivostok [don. Museum Hamburg 1934]

**Inventory number:** 3959

***flavens* ATTEMS**

*Dichelobius flavens* ATTEMS, 1911: 154, figs 1-10

**Current status:** valid species according to EDGECOMBE (2004a)

**Family:** Henicopidae

**Type material:** a) 1 ♂ and 2 microslides ♂ parts (syntypes); - b) 3 microslides ♀ parts (syntype)

**Type locality:** SW-Australia a) Freemantle "Kalkhügel"; - b) Eradu (Station 80) [coll. Wilhelm Michaelsen, "Hamburger südwest-australische Forschungsreise" 1905]

**Inventory number:** a) 3912; - b) 4022

**Notes:** the locality "Freemantle" is not specified as a type-locality in the original description, and very likely represents a mistake by Attems because Freemantle is a locality where Wilhelm Michaelsen collected during the expedition; syntypes from the SW Australian localities Gooseberry Hill and Donnybrook, both Michaelsen and Hartmeyer leg., and Eradu and Jarrahdale, legit not mentioned, are preserved in the ZMB (MORITZ & FISCHER 1979: 319) and in the Zoologischen Museum Hamburg (WEIDNER 1960: 72), respectively.

***folkmanovae* DOBRORUKA**

*Eupolybothrus (Schizopolybothrus) folkmanovae* DOBRORUKA, 1965: 396, fig. 3

**Current status:** junior synonym of *Eupolybothrus (Schizopolybothrus) caesar* (VERHOEFF, 1899) according to ZAPPAROLI (1984a: 200)

**Family:** Lithobiidae

**Type material:** 1 ♂ (holotype)

**Type locality:** Greece, Corfu "Höhle am Nordabhang des Pantokratorgebirges" [coll. Bernd Hauser 18.04.1960, don. Ludek J. Dobroruka]

**Inventory number:** 1675

*franzi* ATTEMS

*Lithobius franzi* ATTEMS, 1949: 5

**Current status:** uncertain status, although WÜRMLI (1972) included this taxon in the Catalogus Faunae Austriae as a valid species; *Lithobius franzi* has never been revised since its original description

**Family:** Lithobiidae

**Type material:** 4 specimens, badly damaged (Attems' file: 2 ♂♂, 2 ♀♀) (syntypes)

**Type locality:** Austria, Styria, Gleinalpe, Speikkogel, "hochalpin" [coll. don. Herbert Franz 1947]

**Inventory number:** 1186

**Notes:** the jar contains a label with "*Lithobius erythrocephalus*" written in the typical Attems handwriting; "the specimens were completely dried up" labelled by the curator Friedrich Kasy on 1 December 1958.

*fuscus* ATTEMS

*Lithobius (Monotarsobius) fuscus* ATTEMS, 1953: 150, figs 18, 19

**Current status:** species whose status has never been revised since its original description

**Family:** Lithobiidae

**Type material:** a) 2 ♂♂; - b) 1 ♂; - c) 1 ♂, 1 ♀; (syntypes)

**Type locality:** Vietnam: a) N- Vietnam "Tonkin" Fan-Si-Pan; - b) S- Vietnam "Cochinchina" Soc Trang, - c) N- Vietnam "Tonkin" Chapa. [coll. Constantin Dawydoff 1938-39]

**Inventory number:** a) 3933; - b) 3934; - c) 3935

**Notes:** although a female is included among the syntypes, and in ATTEMS' (1953: 149) key of Indoaustralian species of *Lithobius (Monotarsobius)* the species is keyed among those with 2+2 spurs on the female gonopods, in its original description ATTEMS (1953) stated "Weibchen unbekannt" (female unknown).

*gracilitarsis* BROLEMANN

*Lithobius piceus gracilitarsis* BROLEMANN, 1898: 200

**Current status:** junior synonym of *Lithobius piceus* L. KOCH, 1862 according to EASON (1972b: 124)

**Family:** Lithobiidae

**Type material:** 1 ♀ (lectotype, des. Marzio ZAPPAROLI 1986)

**Type locality:** France, Pyrénées-Atlantiques, "Basses-Pyrénées", Ahusquy [coll. don. Henri Brolemann]

**Inventory number:** 3994

***helvolus* ATTEMS**

*Lithobius (Lith.) helvolus* ATTEMS 1951a: 398, figs 9, 10

**Current status:** valid species, under *Lithobius (Lith.)* LEACH, 1814 according to MATIC (1969: 110)

**Family:** Lithobiidae

**Type material:** 1 ♀ (lectotype, des. Marzio ZAPPAROLI 1986 unpublished)

**Type locality:** Iran, Kuh-räng-mountains, 150 km west of Isfahan, 2400 m [coll. don. Heinz Löffler 1949/50]

**Inventory number:** 4520

***hexodus* BROLEMANN**

*Lithobius hexodus* BROLEMANN, 1888: 276, tab. 1, figs 2-4

**Current status:** junior synonym of *Lithobius pilicornis* NEWPORT, 1844, see FODDAI et al. (1995: 7)

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (in bad condition, partly damaged) (syntypes)

**Type locality:** Italy, Lombardy, Brianza [coll. Henri Brolemann, don. Robert Latzel]

**Inventory number:** 3994 [Acquisition 1919.]

***honestus* ATTEMS**

*Lithobius (Monotarsobius) honestus* ATTEMS, 1938: 345

**Current status:** although ATTEMS (1953: 150) confirmed this species as belonging to *Lithobius (Monotarsobius)* VERHOEFF, 1905, its status has never been revised since its original description

**Family:** Lithobiidae

**Type material:** 1 ♂ (syntype)

**Type locality:** Vietnam, "S-Annam", Da Lat, Lang Biang (1500 m) [coll. Constantin Dawydoff 02.1931]

**Inventory number:** 3960

***hungaricus* LATZEL**

*Lithobius mutabilis* var. *hungaricus* LATZEL, 1880b: 101

**Current status:** synonym of *Lithobius mutabilis* L. KOCH, 1862 according to FOLKMANOVÁ (1949: 58); in ORSZÁGH's (2001) checklist of the centipedes of the Slovak Republic this taxon is listed under *L. mutabilis*

**Family:** Lithobiidae

**Type material:** 3 ♀♀ (syntypes)

**Type locality:** Hungary [coll. don. Robert Latzel]

**Inventory number:** 1234 [Acquisition 1919.]

***illyricus* LATZEL**

*Lithobius illyricus* LATZEL, 1880b: 115

**Current status:** valid species, under *Lithobius (Lithobius)* LEACH, 1814 in KOS' (1992: 356) and STOEV'S (1997: 100) check-list of Balkan centipedes

**Family:** Lithobiidae

**Type material:** a) 1 ♂, 1 ♀, 1 immature; - b) 1 ♂, 3 immatures; (syntypes)

**Type locality:** a) Italy, Gorizia "österr. Küstenlande"; - b) "österr. Küstenlande" [coll. don. Robert Latzel]

**Inventory number:** a) 2084 (Acquisitions 1884.I.22); - b) 3968 (Acquisition 1919.)

***inaequidens* ATTEMS**

*Lithobius inaequidens* ATTEMS, 1951a: 404, fig. 17

**Current status:** under *Lithobius (Lithobius)* LEACH, 1814 according to MATIC (1969: 111); the status of this species has never been revised since its original description

**Family:** Lithobiidae

**Type material:** 1 ♂ (syntype)

**Type locality:** Iran [coll. don. Heinz Löffler 1949/50]

**Inventory number:** 3962

***infossus* SILVESTRI**

*Lithobius infossus* SILVESTRI, 1894: 44

**Current status:** valid species; suspected as a senior synonym of *Lithobius dahlii* VERHOEFF, 1925 in FODDAI et al. (1995: 30); ZAPPAROLI (in press) formalized the identity

**Family:** Lithobiidae

**Type material:** 1 ♀ (lectotype, des. Marzio ZAPPAROLI 2004), 1 ♂ (paralectotype, des. Marzio ZAPPAROLI)

**Type locality:** Italy, Roma [coll. Filippo Silvestri, don. Robert Latzel, who obtained the specimens from Filippo Silvestri]

**Inventory number:** 1190 (Acquisition 1919.)

***inquirendus* ATTEMS**

*Lithobius inquirendus* ATTEMS, 1951a: 402

**Current status:** under *Lithobius (Lithobius)* LEACH, 1814 according to MATIC (1969: 111), the status of this species has never been revised since its original description

**Family:** Lithobiidae

**Type material:** 2 ♀♀ (syntypes)

**Type locality:** Iran, Sabzevaran [coll. don. Heinz Löffler 1949/50]

**Inventory number:** 3961

***iranicus* ATTEMS**

*Lithobius (Alokobius) iranicus* ATTEMS, 1951a: 402, fig. 15

**Current status:** under *Lithobius (Lithobius)* LEACH, 1814 according to MATIC (1969: 111), the status of this species has never been revised since its original description

**Family:** Lithobiidae

**Type material:** a) 2 ♂♂, 1 ♀; - b) 1 ♂; (syntypes)

**Type locality:** Iran a) Iran, Lahijan, "Buchenwald"; - b) Iran [coll. don. Heinz Löffler 1949/50]

**Inventory number:** a) 3963; - b) 3964

**Notes:** in the lot there is a label in Attems' handwriting: "*L. lissus* n. sp.", an unpublished name; ATTEMS (1951a), describing this new species, elected the name *iranicus* instead of *lissus*.

***jugorum* ATTEMS**

*Lithobius jugorum* ATTEMS, 1904: 117

**Current status:** junior synonym of *Lithobius (Ezembius) giganteus* SSELIWANOFF, 1881 according to EASON (1986a)

**Family:** Lithobiidae

**Type material:** a) 1 ♂; - b) 1 ♀; (syntypes)

**Type locality:** a) Kirgisia "Turkestan" (B 1412); - b) Kirgisia, Tien Shan, Kubergento-Pass (B 758) (above 4000 m) [coll. György Almassy & Rudolf Stummer b) 26.08.1900; don. György Almassy & Rudolf Stummer]

**Inventory number:** a) 1934; - b) 1935

**Notes:** EASON (1986a: 185) redescribed the two specimens.

***karamani* VERHOEFF**

*Lithobius karamani* VERHOEFF, 1937: 215

**Current status:** valid species, under *Lithobius (Lithobius)* LEACH, 1814 according to STOEV (2005: 79)

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (they are paralectotypes because STOEV (2005: 7) designated a lectotype in the myriapod collection of the "Zoologische Staatssammlung München" and a paralectotype in the collection of the Zoological Museum Berlin)

**Type locality:** Macedonia [coll. Karaman?, don. K. W. Verhoeff 1.7. 1940]

**Inventory number:** 1192

**Notes:** the type status of the NHMW material is not entirely certain; although the locality given in the original description is Skopje, the label quotes only Macedonia; Verhoeff sold the specimens in 1940, three years after he had described the new species; syntype from "Skoplje, Südserbien" is stored in the ZMB (MORITZ & FISCHER 1979: 318).

***koenigi* VERHOEFF**

*Lithobius koenigi* VERHOEFF, 1891: 65

**Current status:** junior synonym of *Lithobius elongatus* NEWPORT, 1849 according to SILVESTRI (1896), a taxon considered to be the same as *Lithobius nudicornis* GERVAIS, 1837 by SILVESTRI (1897); the identity of *koenigi* with *nudicornis* was also suspected by JEEKEL (1967), who included *nudicornis*, *elongatus*, *koenigi* as well as *Lithobius impressus* C. L. KOCH, 1841, in *Eupolybothrus* (*Allopolybothrus*) VERHOEFF, 1907; JEEKEL (1963: 195) designated *Lithobius koenigi* as the type-species of *Allopolybothrus*; EASON (1972a: 108) considered *impressus* as a valid species and *elongatus* as a subspecies of *impressus*; in FODDAI et al. (1995), *Eupolybothrus elongatus* is considered to be the same as *Eupolybothrus nudicornis*; ATTEMS labelled the lot as "*Lithobius impressus*"

**Family:** Lithobiidae

**Type material:** 2 ♂♂ (syntypes)

**Type locality:** Tunis [coll. Alexander König, March 1887, don. Karl W. Verhoeff 1896]

**Inventory number:** 1450 (Acquisition 1896.I.76)

***laccatus* ATTEMS**

*Lithobius laccatus* ATTEMS, 1951a: 400, figs 10-12

**Current status:** under *Lithobius* (*Lithobius*) LEACH, 1814 according to MATIC (1969: 112); species whose status has never been revised since its original description

**Family:** Lithobiidae

**Type material:** 8 ♂♂, 1 ♀, 1 ♀ (without gonopods), 1? (dissected), 1 microslide (female gonopods) (syntypes)

**Type locality:** Iran, Kuh-räng-Gebirge, 2400 m [coll. don. Heinz Löffler 1949/50]

**Inventory number:** 3970

***latus* ATTEMS**

*Lithobius latus* ATTEMS, 1903: 114

**Current status:** junior synonym of *Lithobius walachicus* VERHOEFF, 1901 according to MATIC (1965: 155)

**Family:** Lithobiidae

**Type material:** 3 ♀♀, 1 specimen without the genital segment (syntypes)

**Type locality:** Romania "SE- Siebenbürgen", Băile Tuşnad [coll. Carl Attems, 08.1900]

**Inventory number:** 3971

**Notes:** ATTEMS (1903) described this species based on one female from "Bad Tusnád, SO. Siebenbürgen", Romania, easy recognisable by the supposed abnormality of its gonopods bearing 2+1 spurs, as stated by its author in the original paper, instead of the usual 2+2; in the Attems' catalogue are however mentioned under this name three females from "Tusnád" whereas in the NHMW collection is stored a vial with four specimens from "Tusnád", three females and one specimen without the genital segment. The three specimens correspond well to Attems' original description without showing the abnormality, and are here considered as syntypes, because Attems himself corrected four females instead of one in that exemplar of the original paper he used in the NHMW; it should therefore be possible that the specimen without the genital segment is the original one with the abnormality, probably dissected for a microslide preparation that has been lost afterwards.

### *leptopus* LATZEL

*Lithobius leptopus* LATZEL, 1880: 53

**Current status:** junior synonym of *Eupolybothrus* (*Leptopolybothrus*) *tridentinus* (FANZAGO, 1874) according to EASON & MINELLI (1976: 186)

**Family:** Lithobiidae

**Type material:** a) 4 ♂♂, 9 ♀♀, 13 immatures; - b) 5 ♂♂, 5 ♀♀, 3 immatures; - c) 19 ♂♂, 27 ♀♀, 17 immatures; - d) 9 ♂♂, 14 ♀♀; (syntypes)

**Type locality:** a) Hungary, Croatia, Bosnia; - b) Austria: Carinthia (Millstadt), - Styria (Gesäuse, Hieflau); - c) Austria: "österreichische Alpenländer"; - d) Carniola, Dalmatia "österreichische Küstenländer" [coll. don. Robert Latzel]

**Inventory number:** a) 1422 (Acquisition 1919.); - b) 1423 (Acquisition 1984. I.5); - c) 1428 (Acquisition 1919.); - d) 3928 (Acquisition 1919.)

### *longipes* ATTEMS

*Archilithobius crassipes* var. *longipes* ATTEMS, 1907a: 7

**Current status:** species whose status has never been revised since its original description

**Family:** Lithobiidae

**Type material:** a) 1 ♂; - b) 2 ♀♀; (syntypes)

**Type locality:** Ukraine, Krym: a) Alushta; - b) Simferopol [coll. Anton Stuxberg 1897, don. Leonhard A. Jägerskiöld, Museum Göteborg]

**Inventory number:** a) 3932; - b) 3939



**Notes:** although described from Russian localities, no comments on this taxon are in the ZALESSKAJA's (1978) fauna of lithobiomorph centipedes of the former USSR.

### *macrocentrus* ATTEMS

*Lithobius macrocentrus* ATTEMS, 1949a: 9

**Current status:** uncertain status; the identity of this species has never been revised by the modern authors after the original description; included in the two catalogues of the myriapods of the East Alps published by ATTEMS (1949b: 113, 1954: 300), although the latter posthumous, and in the Catalogus Faunae Austriae (WÜRMLI 1972: 9) as valid species under *Lithobius* LEACH, 1814 s. str.

**Family:** Lithobiidae

**Type material:** a) 6 ♂♂ (5 of which defective, missing legs 14 and/or 15), 3 ♀♀ (1 without legs 14 and 15); - b) 1 ♀ (missing antennae); - c) 8 ♂♂, 3 ♀♀, 1 defective, 1 microslide (head, female gonopods); (syntypes)

**Type locality:** Austria: a) Tyrol "hinteres Martal neben Ochsenalm am Bach beim Lawinenschnee"; - b) Upper Austria, Prieler Alm; - c) Tyrol, Gschnitztal, Schnurz, "Weihergrube" [coll. a) Otto Wettstein 25.08.1941; - b) Herbert Franz 1942; - c) Otto Wettstein]

**Inventory number:** a) 3972; - b) 3973; - c) 3974

**Notes:** material recently collected and identified as *L. macrocentrus* by E. H. Eason were published by THALER (1992: 156) from Northern Tyrol (Ötztal Alp, Festkogel, 3030 m), other material from the same high-alpine locality has been identified as *Lithobius schuleri* VERHOEFF, 1925 by Marzio Zapparoli (THALER & KNOFLACH, 2001); after the publication of the original description ATTEMS revised his taxon in *Lithobius borealis* MEINERT, 1868 and corrected his file without publishing the new status, however old records of *L. borealis* from NW Europe and elsewhere do not belong to the true *L. borealis* MEINERT, 1868 but to other species of *Lithobius* including *L. lusitanus valesiacus* VERHOEFF, 1935 or *L. lapidicola* MEINERT, 1872 according to EASON (1982).

### *maroneus* ATTEMS

*Lithobius (Australobius) maroneus* ATTEMS, 1953: 152, figs 20, 21

**Current status:** valid species, under *Australobius* CHAMBERLIN, 1920 according to EASON (1978: 22)

**Family:** Lithobiidae

**Type material:** a) 4 ♂♂, 7 ♀♀; 1 ♀, 1 ♂; 1 ♂, 4 ♀♀; - b) 10 ♂♂, 3 ♀♀, 5 immatures; 2 ♂♂, 1 ♀; 1 microslide (prosternum, coxae 14<sup>th</sup> segment); - c) 1 ♀; (syntypes)

**Type locality:** a) Laos, Xieng Kuang Plateau 1500 m; - b) Vietnam, "S-Annam" Pic de Lang Biang (2300 m); - c) Vietnam, S-Annam, Kon Tum [coll. Constantin Dawydoff 1938-39]

**Inventory number:** a) 3929; - b) 3930; - c) 3931

***mauritanus* VERHOEFF**

*Monotarsobius mauritanus* VERHOEFF, 1939: 96, figs 27, 28

**Current status:** species whose status has never been revised since its original description

**Family:** Lithobiidae

**Type material:** 1 ♀ (syntype)

**Type locality:** Mauritius [don. Verhoeff 12.4.1940]

**Inventory number:** 1329

**Notes:** another female syntype from Mauritius Is. is stored in the ZMB (MORITZ & FISCHER 1979: 322).

***memorabilis* ATTEMS**

*Lithobius (Alokobius) memorabilis* ATTEMS, 1951a: 405, fig. 18

**Current status:** species whose status has never been revised since its original description; under *Lithobius (Lithobius)* LEACH, 1814 according to MATIC (1969: 112); EASON (1974a) considered *Lithobius (Alokobius)* ATTEMS, 1926, without any taxonomic significance

**Family:** Lithobiidae

**Type material:** 2 ♂♂, one of them without the prosternum, which was prepared by Attems and mounted on an extra microslide, 2 ♀♀ (syntypes)

**Type locality:** Iran [coll. don. Heinz Löffler 1949/50]

**Inventory number:** 3978

***microdon* LATZEL**

*Lithobius microdon* LATZEL, 1886a: 170

**Current status:** valid species under *Lithobius* LEACH, 1814 according to ZAPPAROLI (1984b)

**Family:** Lithobiidae

**Type material:** 1 ♂ (lectotype, des. Marzio ZAPPAROLI 1982); - 12 ♂♂, 9 ♀♀ (paralectotypes, des. Marzio ZAPPAROLI 1982)

**Type locality:** Algeria, Oran [don. Henri Gadeau de Kerville to Robert Latzel, don. Robert Latzel 1919]

**Inventory number:** 1343 [Acquisition 1919]

**Notes:** VERHOEFF (1936: 246) erected for *L. microdon* the new genus *Oranobius*, afterwards synonymized with *Lithobius* in ZAPPAROLI (1984b).

***micropora* ATTEMS**

*Lamyctes micropora* ATTEMS, 1909b: 11, figs 49-52

**Current status:** valid species under *Lamyctes (Metalamyctes)* VERHOEFF, 1941 (see EDGECOMBE & GIRIBET 2003: 3, HOLLINGTON & EDGECOMBE 2004: 24)

**Family:** Henicopidae

**Type material:** ♂, ♀, 2 microslides (♂ genital segment, legs) (syntypes)

**Type locality:** South Africa, Little Namaqualand "Klein-Namaland", Steinkopf [coll. Leonhard Schultze during the "Forschungsreise im westlichen und zentralen Südafrika" 1903–1905]

**Inventory number:** 3906

**Notes:** Attems confirmed in his original description "die beiden Basalglieder berühren sich fast", opposite to fig. 51 of the same paper, which clearly shows the bipartite first genital sternite; Greg Edgecombe (2005, in litteris) confirmed this when he studied the syntypes from "Steinkopf, Kl. Nama Land, L. Schultze leg." stored at ZMB (see MORITZ & FISCHER 1979: 322) in September 2001; VERHOEFF (1941: 97) erected the subgenus *Metalamyctes* with the type species, *Henicops africana* PORAT, 1871, defined by "Hüftglieder der männlichen Gonopoden in der Mediane breit verwachsen." EDGECOMBE & GIRIBET (2003) include several South African species in addition to the type *Lamyctes africana* (PORAT, 1871) to the subgenus *Metalamyctes*.

### *modicus* ATTEMS

*Lithobius (Alokobius) modicus* ATTEMS, 1938: 347

**Current status:** although ATTEMS (1953: 139) confirmed the original generic and subgeneric classification and the status of valid species of this taxon, the identity of *Lithobius modicus* has never been revised by modern authors since its original description; EASON (1974a) considered *Lithobius (Alokobius) ATTEMS*, 1926 without any taxonomic significance; since according to the original description the antennal articles are more than 24, *L. modicus* would be placed in *Lithobius (Lithobius) LEACH*, 1814

**Family:** Lithobiidae

**Type material:** 1 ♂, defective (holotype)

**Type locality:** Vietnam, S-Annam, Da Lat (1500 m) [coll. Constantin Dawydoff 26.01.1931]

**Inventory number:** 3979

### *mongolicus* ATTEMS

*Lithobius aeruginosus* var. *mongolicus* ATTEMS, 1901: 280

**Current status:** valid species, under *Lithobius (Ezembius) CHAMBERLIN*, 1919 according to EASON (1986a: 190), who examined the syntype male specimen from Ulan Bator (Mongolia) (NHMW 3932), and EASON (1986b: 59); closely akin to *Lithobius giganteus* SSELIWANOFF, 1881 and bearing little resemblance to *Lithobius aeruginosus* L. KOCH, 1862 according to EASON (1986a: 190)

**Family:** Lithobiidae

**Type material:** a) 1 ♂; - b) 1 ♂; (syntypes)

**Type locality:** Mongolia a) Ulan Bator "Urga"; - b) Burgaltay [coll. don. Eugen Zichy "3. asiatische Forschungsreise des Grafen Eugen Zichy"]

**Inventory number:** a) 3932; - b) 3939

***mononyx* LATZEL**

*Lithobius tricuspis* var. *mononyx* LATZEL, 1888a: LXXXV

**Current status:** uncertain status according to EASON (1965: 292); valid species according to TOBIAS (1969, 1974) (see also EASON 1974b: 17)

**Family:** Lithobiidae

**Type material:** 2 ♂♂ (syntypes)

**Type locality:** France, Hautes-Pyrénées, Pic du Midi [coll. Jules Chalande, don. Robert Latzel]

**Inventory number:** 1262 [Acquisition 1919.]

***montanus* ATTEMS**

*Lithobius erythrocephalus montanus* ATTEMS, 1929:334

**Current status:** uncertain status according to STOEV (2001); not included in the KOS' (1992) check-list of centipedes of former Yugoslavia as *Lithobius (Lithobius) erythrocephalus montanus* ATTEMS in STOEV (1997: 100)

**Family:** Lithobiidae

**Type material:** a) 5 ♂♂, 4 ♀♀; - b) 3 ♂♂; - c) 4 ♂♂; (syntypes)

**Type locality:** Macedonia, Šar Planina mountains, Ljuboten: a) alpin; - b) upper beech grove; - c) alpin [coll. Carl Attems 1906; a) 01.06.1906]

**Inventory number:** 1107

***nigrifrons* LATZEL & HAASE**

*Lithobius nigrifrons* LATZEL & HAASE in LATZEL 1880: 71

**Current status:** junior synonym of *Lithobius tenebrosus* MEINERT, 1872 according to EASON (1974b: 24)

**Family:** Lithobiidae

**Type material:** more than 200 (♂♂, ♀♀) (syntypes)

**Type locality:** W-Austria "österreichische Alpenländer" [coll. don. Robert Latzel]

**Inventory number:** 1304 [Acquisitionen 1919.]

***nodulipes* LATZEL**

*Lithobius nodulipes* LATZEL, 1880b: 68, fig. 30

**Current status:** valid species, under *Lithobius (Lithobius)* LEACH, 1814 according to EASON (1982: 13)

**Family:** Lithobiidae

**Type material:** a) 2 ♂♂, 2 ♀♀, 6 "Juvenis", 2 "Immaturus"; - b) 46 ♂♂, 46 ♀♀; (syntypes)

**Type locality:** a) Germany, Riesengebirge, Elbgrund "Böhmen, Elbgrund"; Czech Republic, Adamov "Mähren Adamsthal"; Austria, Lower Austria, Purkersdorf; Styria "Eisenerz"; Italy Trieste "Küstenlande Triest"; - b) "Sudeten, österr. Alpenländer" [coll. don. Robert Latzel]

**Inventory number:** a) 3986; - b) 1303 [Acquisition a) 1884.I.7; - b) 1919.]

**Notes:** type species of the non valid subgenus *Lithobius* (*Nodobius*) CHAMBERLIN, 1952 (see JEEKEL 2005: 24).

### ***nodulosus* ATTEMS**

*Lithobius latro nodulosus* ATTEMS, 1949a: 10

**Current status:** uncertain status, included in the Catalogus Faunae Austriae as a subspecies of *Lithobius latro* MEINERT, 1872 (WÜRMLI 1972: 8)

**Family:** Lithobiidae

**Type material:** 1 ♂ (syntype)

**Type locality:** Austria, Styria, Wechselgebiet, Pinkatal, Schaueregg, 750 m [coll. Hans Strouhal 05.09.1947, don. Hans Strouhal]

**Inventory number:** 1199

### ***numidica* LATZEL**

*Henicops numidica* LATZEL, 1886a: 171

**Current status:** valid species, under *Lamyctopristus* (*Eumyctes*) CHAMBERLIN, 1951 according to CHAMBERLIN (1951: 109), see also HOLLINGTON & EDGE-COMBE (2004: 24, as *L. (E.) numidicus*)

**Family:** Henicopidae

**Type material:** ♂, ♀, 1 defective (syntypes)

**Type locality:** N. Africa, Algeria, Oran [don. Henri Gadeau de Kerville, don. Robert Latzel]

**Inventory number:** 1342 [Acquisition 1919.]

**Notes:** EDGE-COMBE & GIRIBET (2003: 3) considering the type species of *Lamyctes* (*Eumyctes*), *Henicops sinuatus* PORAT, 1893, more closely related to *Lamyctopristus* ATTEMS, 1928 than to *Lamyctes* MEINERT, 1868, infer that other species like *L. numidicus* are not members of the genus *Lamyctes*.

### ***oligotarsus* ATTEMS**

*Henicops oligotarsus* ATTEMS, 1911: 150

**Current status:** junior synonym of *Henicops dentatus* POCOCK, 1901 according to HOLLINGTON & EDGE-COMBE (2004: 6)

**Family:** Henicopidae

**Type material:** a) 1 ♀; - b) 2 ♂♂, 1 ♀; - c) 1 ♀; - d) 1 microslide with legs (♀ 4., ♂ 10., ♀ 12., ♂ 14., ♂ 14., ♂ 15.); (paralectotypes, des. Greg EDGECOMBE 2003)

**Type locality:** SW-Australia; a) Boyanup (station 146); - b) Brunswick Junction (station 139); - c) Albany (station 165); - d) SW-Australia [coll. Wilhelm Michaelsen "Hamburger südwest-australische Forschungsreise 1905"]

**Inventory numbers:** a) 3907; - b) 3908; - c) 3909; - d) 4369

### *orientalis* ATTEMS

*Lithobius (Alokobius) orientalis* ATTEMS, 1953: 152

**Current status:** species whose status has never been revised since its original description, EASON (1974a) considered *Lithobius (Alokobius)* ATTEMS, 1926, without any taxonomic significance

**Family:** Lithobiidae

**Type material:** a) 1 ♂; - b) 1 ♂, 3 ♀♀, 1 defective specimen (with some eggs in both samples); (syntypes)

**Type locality:** N- Vietnam "Tonkin": a) Fan-Si-Pan; - b) Chapa [coll. Constantin Dawydoff 1938-39]

**Inventory number:** a) 3936; - b) 3937

### *pachymerus* ATTEMS

*Lithobius (Monotarsobius) pachymerus* ATTEMS, 1938: 346, figs 311, 312

**Current status:** although ATTEMS (1953: 139) confirmed the original generic and subgeneric classification and the status of valid species of this taxon on new material collected (p. 151), the identity of *Lithobius pachymerus* has never been revised by modern authors since its original description

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ immature (syntypes)

**Type locality:** Vietnam, S-Annam, Cau Da [coll. Constantin Dawydoff 01. 1933]

**Inventory number:** 3989

### *pachyskeles* ATTEMS

*Monotarsobius tricalcaratus pachyskeles* ATTEMS, 1927b: 304

**Current status:** species whose status has never been revised since its original description, listed in MURAKAMI (1965: 72)

**Family:** Lithobiidae

**Type material:** a) 20 ♂♂, 20 ♀♀, 2 juv.; - b) 5 ♂♂, 5 ♀♀; - c) 1 ♂, 1 ♀; (syntypes)

**Type locality:** Japan, since Sauter's original labels got lost, one locality is dubious: a) Kanagawa (surrounding of a pond "Teichrand") - b) Bukenji (?); - c) Yokohama (Haus); [coll. Hans Sauter a) 24.04.1905, b)c) 1905, don. H. Sauter]

**Inventory number:** a) 1330; - b) 1331; - c) 4149

***palustris* SSELIWANOFF**

*Lithobius palustris* SSELIWANOFF, 1880: 12, tab. 1, fig. 4

**Current status:** junior synonym of *Lithobius lucifugus* L. KOCH, 1862 according to ZALESSKAJA (1978: 101)

**Family:** Lithobiidae

**Type material:** 3 ♂♂, 3 ♀♀ (syntypes)

**Type locality:** Russia: Woronesch and Ryazan [don. Anton Sseliwanoff to Robert Latzel, Robert Latzel don.]

**Inventory number:** 4228

**Notes:** the type status of the NHMW material is not entirely certain; the localities on the label are Ryazan – a type locality according to the original description – and Woronesch – not a type locality; three further syntypes from "Rjatan" (obviously a different spell of Ryazan) are stored in the ZMB (MORITZ & FISCHER 1979: 323).

***papuanus* ATTEMS**

*Bothropolys papuanus* ATTEMS, 1914: 99

**Current status:** not included in the CHAMBERLIN's (1920) catalogue of myriapods of the Australasian Region; the status of this species has never been revised since its original description

**Family:** Lithobiidae

**Type material:** 1 microslide (2 tarsi) (part of the holotype)

**Type locality:** Oceania, Papua New Guinea, New Britain "Neu Pommern", Gazelle Peninsula, Ralum [coll. Dahl 04.08.1896, don. Museum Berlin]

**Inventory number:** 4161

**Notes:** the female holotype, labelled "Ralum Loroon, Neu Pommern, F. Dahl leg. 4. Aug. 1896", is housed in the ZMB (MORITZ & FISCHER 1979: 323).

***parietum* VERHOEFF**

*Lithobius forficatus* var. *parietum* VERHOEFF, 1899: 7

**Current status:** valid species, under *Lithobius* (*Lithobius*) LEACH, 1814 according to EASON (1983: 124, 141)

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (syntypes)

**Type locality:** Hungary "Südungarn" [coll. don. K. W. Verhoeff]

**Inventory number:** 1182

**Notes:** the male lectotype, formally designated by EASON (1983), is preserved in the British Museum (Natural History) (Coll. N. 1906.9.4.172).

***patens* ATTEMS**

*Polybothrus leostygis patens* ATTEMS, 1935: 144, figs 1, 2

**Current status:** junior synonym of *Eupolybothrus* (*Schizopolybothrus*) *caesar* (VERHOEFF, 1899) according to ZAPPAROLI (1984a: 200)

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 specimen dissected (syntypes)

**Type locality:** Greece, Epirus, Rodavgi (Nisista) by a fount [coll. M. Beier 1.5.1933, don. M. Beier]

**Inventory number:** 1453

**Notes:** after the publication of the original description, ATTEMS revised the type specimens of his taxon identifying it as *Polybothrus caesar* VERHOEFF, 1899, correcting the label and his file but without publishing the new status.

***paucispinosus* ATTEMS**

*Lithobius paucispinosus* ATTEMS, 1952: 341

**Current status:** junior synonym of *Lithobius rubriceps* NEWPORT, 1845 according to SERRA (1980) and ZAPPAROLI (1984d: 4)

**Family:** Lithobiidae

**Type material:** 1 ♂ (lectotype, des. Marzio ZAPPAROLI 1984)

**Type locality:** Spain, North of Algeciras, "Cerro de Mirador" [coll. don. Herbert Franz 1951]

**Inventory number:** 3988

***pelidnus* HAASE**

*Lithobius pelidnus* HAASE, 1880: 33

**Current status:** valid species, under *Lithobius* (*Lithobius*) LEACH, 1814 according to STOEV (2002: 36), see also EASON (1982)

**Family:** Lithobiidae

**Type material:** 1 ♂ (syntype)

**Type locality:** Poland, Olawa "Preussisch Schlesien, Ohlau" [coll. E. Haase, don. Robert Latzel]

**Inventory number:** 3987 [Acquisition 1919.]

**Notes:** Latzel got the specimen from Haase; ten other syntypes from "Schlesien oder Steiermark" are stored in the ZMB (MORITZ & FISCHER 1979: 324).

***peregrinus* LATZEL**

*Lithobius peregrinus* LATZEL, 1880b: 63

**Current status:** valid species, under *Lithobius* (*Lithobius*) LEACH, 1814 according to ZAPPAROLI (1992: 162)



**Family:** Lithobiidae

**Type material:** a) 1 ♀ (lectotype, des. Marzio ZAPPAROLI 1988); - b) 1 ♂, 2 ♀♀

**Type locality:** Dalmatia "Küstenland" [a) coll. E. Schreiber, don Robert Latzel; b) coll. ?, don. Robert Latzel]

**Inventory number:** 1979 [Acquisition 1919.]

**Notes:** ZAPPAROLI (1992) designated the lectotype according to LATZEL's (1880) original description, based on a single female; the origin of the other three specimens remains unclear, anyway Latzel must add them later.

### *pleodonta* ATTEMS

*Lithobius magnus* var. *pleodonta* ATTEMS, 1904: 118

**Current status:** junior synonym of *Australobius magnus* (TROZINA, 1894) according to ZALESSKAJA (1978: 142), see also EASON (1997: 120)

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (syntypes)

**Type locality:** Kyrgyzstan "Turkestan", Przheval'sk [collected probably by Kuzulenko, spring 1901, don. György Almassy & Rudolf Stummer]

**Inventory number:** 3976

### *podokes* ATTEMS

*Lithobius podokes* ATTEMS, 1903: 114

**Current status:** MATIC (1966: 252) designated this species as a "*nomen nudum*" because of Attems' not sufficient description

**Family:** Lithobiidae

**Type material:** 1 ♂ (holotype)

**Type locality:** Romania "Siebenbürgen", Válaszut near Cluj-Napoca "Klausenburg"

**Inventory number:** 3947

### *polyodontus* ATTEMS

*Lithobius corcyraeus polyodontus* ATTEMS, 1951a: 401, fig. 14

**Current status:** uncertain status, probably a junior synonym of *Lithobius viriatus* SSELIWANOFF, 1880 (Marzio Zapparoli unpublished)

**Family:** Lithobiidae

**Type material:** 1 ♂ (lectotype, des. Marzio ZAPPAROLI 1986, unpublished)

**Type locality:** Iran, Sabzawaran [coll. don. Heinz Löffler 1949/50]

**Inventory number:** 4522

***pontica* ATTEMS**

*Lithobius corcyraeus* var. *pontica* ATTEMS, 1907a: 5

**Current status:** uncertain status; although MURALEVITCH (1907, 1926) did not include this taxon in his first two contributions on the centipede fauna of Caucasus, probably because he was not updated of the ATTEMS' (1907a) original paper, in his subsequent more extensive catalogue of the lithobiomorph centipedes of the same area (MURALEVITCH 1929: 56) *Lithobius corcyraeus pontica* is considered as a junior synonym of *Lithobius kessleri* SSELIWANOFF, 1880; this interpretation is also followed by ZALESSKAJA (1978: 114); in 1986 Marzio Zapparoli (unpublished) identified the NHWM specimen as probably belonging to *L. viriatus-nigripalpis* group of species.

**Family:** Lithobiidae

**Type material:** 1 ♂ (syntype)

**Type locality:** Georgia, Bat'umi [coll. Anton J. Stuxberg 1897, don. Leonhard A. Jägerskiöld]

**Inventory number:** 4146

***praecursor* ATTEMS**

*Lithobius praecursor* ATTEMS, 1902: 549

**Current status:** junior synonym of *Eupolybothrus (Eupolybothrus) litoralis* (L. KOCH, 1847) according to ZAPPAROLI (1991: 22)

**Family:** Lithobiidae

**Type material:** 2 vials: 1 ♂; - 2 ♀♀, 2 ♂♂, 1 immature; (syntypes)

**Type locality:** Lebanon, Beirut [don. Adolf Plason 1872]

**Inventory number:** 1461

***psacadonotus* ATTEMS**

*Lithobius psacadonotus* ATTEMS, 1952: 343, fig. 16

**Current status:** junior synonym of *Lithobius (Lithobius) inermis* L. KOCH, 1856 according to EASON (1974b: 3, 40)

**Family:** Lithobiidae

**Type material:** a) 1 ♀, 1 microslide (prosternum); - b) 3 ♂♂, 1 ♀; - c) 1 ♂, 1 ♀; (syntypes)

**Type locality:** Spain: a) Serrania de Ronda; - b) Pantano de Alarcón; - c) Linares [coll. don. Herbert Franz, 1951]

**Inventory number:** a) 3965; - b) 3966; - c) 3967

***pseudagilis* DOBRORUKA**

*Lithobius pseudagilis* DOBRORUKA, 1965: 394, fig. 2

**Current status:** junior synonym of *Lithobius viriatus* SSELIWANOFF, 1879 according to ZAPPAROLI (1994: 54)

**Family:** Lithobiidae

**Type material:** 1 ♂ (holotype)

**Type locality:** Greece, Corfu, Kassiopi (under stones in an olive grove). [coll. Bernd Hauser 19.04.1960, don. Ludel J. Dobroruka]

**Inventory number:** 4145

***pulcher* ATTEMS**

*Paobius sulcipes* var. *pulcher* ATTEMS, 1927b: 68

**Current status:** uncertain status, subspecies of *Lithobius erratus* (ATTEMS, 1938), new name for *Paobius sulcipes* ATTEMS, 1927, secondary homonym of *L. sulcipes* STUXBERG, 1876 (see ATTEMS 1938: 303, EASON 1976: 101); the identity of *P. s. pulcher* has never been revised by modern authors since its original description; originally described under *Paobius* CHAMBERLIN, 1916, a genus erected for a number of well-defined North American species (EASON 1976: 124), valid genus or subgenus of *Lithobius* LEACH, 1814 including also Asiatic species according to ATTEMS (1927) and VERHOEFF (1937: 242, 1942: 42, 1943: 125), all probably distinct from the Nearctic ones (EASON 1976: 124) and some of these moved to other genera/subgenera (see e. g. ZAPPAROLI 1999), synonym of *Lithobius* (*Monotarsobius*) VERHOEFF, 1905 according to ATTEMS (1938: 344); *P. s. pulcher* probably belongs to *Lithobius* (*Ezembius*) CHAMBERLIN, 1923

**Family:** Lithobiidae

**Type material:** 2 ♂♂, 4 ♀♀ (syntypes)

**Type locality:** Japan, Okayama [coll. don. Hans Sauter]

**Inventory number:** 1313

***pusillus* LATZEL**

*Lithobius pusillus* LATZEL, 1880b: 108

**Current status:** junior synonym of *Lithobius lapidicola* MEINERT, 1872 according to EASON (1982: 23); valid species in KOS' (1992: 357) check-list of the centipedes of former Yugoslavia

**Family:** Lithobiidae

**Type material:** 4 ♂♂, 5 ♀♀, 5 juveniles, 3 immatures (syntypes)

**Type locality:** "Ostalpen, österr. Küstenlande" [coll. don. Robert Latzel]

**Inventory number:** 4021 [Acquisition 1919.]

**Notes:** originally designated as the type species of *Lithonannus* ATTEMS 1926, a subgenus of *Lithobius* LEACH, 1814 according to ATTEMS (1938: 344), synonym of *Lithobius* s. str. according to BROLEMANN (1930) (see also JEEKEL 2005: 21).

***pygmaeus* LATZEL**

*Lithobius pygmaeus* LATZEL, 1880b: 86

**Current status:** valid species, under *Lithobius (Lithobius)* LEACH, 1814 according to EASON (1982: 14)

**Family:** Lithobiidae

**Type material:** a) 3 ♂♂, 2 ♀♀; - b) 6 ♂♂, 10 ♀♀; (syntypes)

**Type locality:** a) Austria, Carinthia "Loiblthal"; - b) "Ostalpen, Küstenlande" [coll. don. Robert Latzel]

**Inventory number:** a) 2082; - b) 4037 [Acquisition a) 1884.I.14; - b) 1919.]

***rectifrons* ATTEMS**

*Lithobius rectifrons* ATTEMS, 1907b: 90

**Current status:** valid species, under *Australobius* CHAMBERLIN, 1920 according to EASON (1978: 22)

**Family:** Lithobiidae

**Type material:** 1 ♂ (syntype)

**Type locality:** W-Java, Tjibodas [coll. Karl Kraepelin 28.03.1904]

**Inventory number:** 4140

***rhiknus* ATTEMS**

*Lithobius rhiknus* ATTEMS, 1951a: 403, fig. 16

**Current status:** valid species, under *Lithobius (Lithobius)* LEACH, 1814 according to MATIC (1969: 110)

**Family:** Lithobiidae

**Type material:** a) 1 ♀; - b) 1 ♂ dissected, without the prosternum; (syntypes)

**Type locality:** Iran, Province Mazandaran [coll. don. Heinz Löffler 1949/50]

**Inventory number:** a) 3942; - b) 4044

***rhysus* ATTEMS**

*Lithobius (Monotarsobius) rhysus* ATTEMS, 1934: 315

**Current status:** valid species according to WANG & MAURIÈS' (1996: 90), although under *Monotarsobius* VERHOEFF, 1905 treated at genus rank; in the same way was considered a previous record from Formosa by CHAMBERLIN & WANG (1952: 183); ATTEMS (1953: 150) confirmed *rhysus* in *Lithobius (Monotarsobius)*; the status of this species has however never been revised since its original description

**Family:** Lithobiidae

**Type material:** 2 ♂♂, 1 ♀, 1 microslide (claws of female gonopods) (syntypes)

**Type locality:** China, Province Fujian "Prov. Fukien" [don. Museum Hamburg 1934]

**Inventory number:** 4048

***sicula* ATTEMS**

*Lithobius intrepidus sicula* ATTEMS, 1903: 115

**Current status:** uncertain status, on the basis of the original description this taxon has been probably established on an immature specimen of a *Lithobius* s. l. species not related with *L. intrepidus* MEINERT, 1868, a junior synonym of *L. macilentus* L. KOCH, 1862 according to EASON (1972b: 130, 1974b: 5), a species not present in S. Italy and Sicily (FODDAI et al. 1995)

**Family:** Lithobiidae

**Type material:** 1 ♂ (holotype)

**Type locality:** Italy, Sicily, Taormina [coll. Carl Attems 08.05.1898]

**Inventory number:** 3969

***spiniger* LATZEL**

*Lithobius spiniger* LATZEL, 1888b: 93

**Current status:** valid species, under *Eupolybothrus* (*Schizopolybothrus*) VERHOEFF, 1934 according to JEEKEL (1967: 170)

**Family:** Lithobiidae

**Type material:** 2 ♂♂ (syntypes)

**Type locality:** Bosnia [coll. Justyn Karlinski 1887, don. Robert Latzel]

**Inventory number:** 1463 (Acquisition 1919.)

**Notes:** although in LATZEL's (1888b) original paper Foča is mentioned as the detailed locality of Bosnia from where the syntypes came from, this name is not on the label accompanying the syntypes.

***steindachneri* ATTEMS**

*Lithobius steindachneri* Attems, 1927: 245

**Current status:** this species seems never to be fully described but ATTEMS (1927) mentioned it as having 4+4 prosternal teeth and conspicuous modification of the male 15<sup>th</sup> tibia; after the publication of the original name, ATTEMS reviewed the specimens and labelled them as "*Lithobius castaneopsis* BROLEMANN, 1932", without publishing the new status; *L. castaneopsis* is presently considered a junior synonym of *L. (L.) inermis* according to EASON (1975: 445) and the same author considered *L. steindachneri* as a probably junior synonym of *L. inermis* L. KOCH, 1856 (EASON 1975: 445, 448)

**Family:** Lithobiidae

**Type material:** a) 2 ♂♂, 2 ♀♀; - b) 1 ♀; (syntypes)

**Type locality:** Marocco, Tétouan [coll. Franz Steindachner, don. Franz Steindachner 1899]

**Inventory number:** a) 1068; - b) 3946

***straminae* ATTEMS**

*Remylamyctes straminae* ATTEMS, 1951b: 184, figs 24-32

**Current status:** junior synonym of *Lamyctes caeculus* (BROLEMANN 1889) according to EDGECOMBE (2004b)

**Family:** Henicopidae

**Type material:** 15 ♀♀ in 10 series (a-j) (tubes with alcohol), 3 slide mounted specimens, 3 SEM stubs (EDGECOMBE 2004b): G295 (figs 8-11, leg 14), G 296 dissected head (figs. 27, 28), G297 (figs 12-22, 24-28); (syntypes)

**Type locality:** Madagascar [all coll. and don. P. Remy]: a) Tananarive, 1 specimen, head and posterior end on slide [coll. 17.08.1947]; - b) Tananarive, 1 specimen [coll. 18.08.1947] legs in tubes (EDGECOMBE 2004b: figs 4-7), SEM stub G296; - c) Nossi Bé, Lac Djabalabe, 100m [coll. 09.09.1947]; - d) Fort-Dauphin, 2 specimens [coll. 29.10.1947], 1 slide; - e) Tananarive, parc de l'Institut Pasteur [coll. 22. 11. 1947]; - f) Tuléar; - Reunion: g) Saint-Denis, rue Monthyon, 50m [coll. 06.- 08.10.1947], dissected head (EDGECOMBE 2004b: figs 12-22, 24-28) SEM stub G297; - h) Saint-Denis, 3 specimens; - i) Saint Gilles, 2 specimens. - j) Brulé St. Denis 5.10. 1947, 3 specimens; - k) Reunion 1 slide

**Inventory number:** 3919

**Notes:** EDGECOMBE (2004b: figs. 1-31) had examined the complete syntype material of the NHMW with SEM research.

***stramineus* ATTEMS**

*Lithobius stramineus* ATTEMS, 1927a: 245, figs 1-3

**Current status:** junior synonym of *Lithobius lusitanus* VERHOEFF, 1925 according to EASON (1982: 19)

**Family:** Lithobiidae

**Type material:** 2 ♂♂, 1 ♀ (syntypes)

**Type locality:** Spain, Prov. Tarragona, Flix [coll. F. Haas 1914-18, don. Museum Senckenberg 12. 1925]

**Inventory number:** 3975

***stygius* LATZEL**

*Lithobius stygius* LATZEL, 1880b: 113

**Current status:** valid species, under *Lithobius (Lithobius)* LEACH, 1814 according to KOS' (1992: 357) check-list of the centipedes of former Yugoslavia and STOEV's (1997: 99) check-list of Balkan centipedes

**Family:** Lithobiidae

**Type material:** a) 3 vials: 1 ♂, 1 defective specimen, 1 juv. ♀; - 1 ♂, 1 ♀; - 1 ♂, 5 ♀♀, 1 immature; - b) 1 ♂ (defective without legs); (syntypes)

**Type locality:** Slovenia, Carniola: a) Postojna Jama "Adelsberger Grotte" [coll. don. Robert Latzel; - coll. Latzel who gave the specimens to F. Feiller, who donated them to the "Hofmuseum"; - coll. don. Robert Latzel]; - b) Planinska Jama "Kleinhäusler Grotte" [coll. don. Ferdinand J. Schmidt]

**Inventory number:** a) 2085 [Acquisitions: 1884.I. 21; 1890.III.24, 1919.]; - b) 4049

**Notes:** concerning NHMW 4049, Latzel specified this specimen in the 1880 book as belonging to the "Viennese Hofmuseum"; the specimen was donated by Ferdinand J. Schmidt (1791–1878), a famous "old Austrian" speleologist; another female syntype from Postojna Jama is stored in the ZMB (MORITZ & FISCHER 1979: 326).

### *styriaca* ATTEMS

*Lithobius pygmaeus* var. *styriaca* ATTEMS, 1895: 132

**Current status:** uncertain status; not included in KOS' (1992) check-list of the centipedes of former Yugoslavia

**Family:** Lithobiidae

**Type material:** 1 ♂ (syntype)

**Type locality:** Slovenia, Pohorje mountains "Bachern bei Marburg" [coll. don. Carl Attems]

**Inventory number:** 4038

### *subtilis* LATZEL

*Lithobius subtilis* LATZEL, 1880b: 91

**Current status:** valid species, under *Lithobius (Lithobius)* LEACH, 1814 according to EASON (1980)

**Family:** Lithobiidae

**Type material:** 3 ♂♂, 1 defective specimen (syntypes)

**Type locality:** Austria, Tyrol [coll. don. Robert Latzel]

**Inventory number:** 1308 [Acquisition 1919.]

### *sudeticus* LATZEL & HAASE

*Lithobius mutabilis sudeticus* LATZEL & HAASE 1880 in HAASE (1880: 31)

**Current status:** uncertain status; many of the subspecific taxa described under *L. mutabilis* L. KOCH, 1872 are without taxonomic significance since they are based on unstable characters (see FOLKMANOVÁ 1949, EASON 1972b: 135); TAJOVSKÝ (2001) and ORSZÁGH (2001) listed this taxon under *L. mutabilis* in their checklist of centipedes of Czech and Slovak republics respectively

**Family:** Lithobiidae

**Type material:** more than 100 (♂♂, ♀♀) (syntypes)

**Type locality:** "Sudetenland"

**Inventory number:** 1229 [Acquisition 1919.]

**Notes:** the specimens are not syntypes in the strict sense; HAASE (1880) include the description of *L. mutabilis sudeticus* in his "Inaugural-Dissertation" and specified Latzel and Haase as authors of this subspecies; the NHMW got the specimens in 1919; it is not improvably whether those specimens were available for the first description, but anyway they are *L. mutabilis sudeticus* in the sense of LATZEL and HAASE (1880).

### *sulcipes* ATTEMS

*Paobius sulcipes* ATTEMS, 1927b: 303

**Current status:** nomen praeoccupatum, ATTEMS (1938: 349) proposed *Lithobius erratus* (ATTEMS, 1938) as a new name for *Paobius sulcipes* ATTEMS, 1927, recognizing it as a secondary homonym of *L. sulcipes* STUXBERG, 1876 (see EASON 1976: 105); MURAKAMI (1963: 195), probably unaware of the nomenclatural change, placed *P. sulcipes* in the outmoded subgenus *Lithobius* (*Archilithobius*) STUXBERG, 1875

**Family:** Lithobiidae

**Type material:** a) 1 ♂, 3 ♀♀; - b) 5 ♂♂, 10 ♀♀; - c) 5 ♂♂, 17 ♀♀; (syntypes)

**Type locality:** Japan, since Sauter's original labels got lost, two localities are dubious: a) Bukenji (?); - b) Yamanaka (Suruga) (?); - c) Kanagawa [coll. H. Sauter a) & b) 1905, don. H. Sauter]

**Inventory number:** a) 1312; - b) 4150; - c) 4151

**Notes:** Attems had not quoted the later change of the name *Paobius sulcipes* in *Lithobius erratus*, neither in the vials nor in the catalogue.

### *taurica* ATTEMS

*Lithobius mutabilis* var. *taurica* ATTEMS, 1907a: 6

**Current status:** uncertain status; according to ZALESSKAJA (1978: 101) this taxon is included, together with *Lithobius tauricus* SSELIWANOFF, 1878, among the synonyms of *L. mutabilis tauricus* SSELIWANOFF, 1878; as stated above, many of the subspecific taxa described under *L. mutabilis* L. KOCH, 1872 are without taxonomic significance since they are based on unstable characters (see FOLKMANOVÁ 1949, EASON 1972b: 135)

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (syntypes)

**Type locality:** Ukraine, Krym, Simferopol [coll. Anton J. Stuxberg 1897, don. Leonhard A. Jägerskiöld]

**Inventory number:** 4227



***tiziensis* VERHOEFF**

*Lithobius dieuzeidei tiziensis* VERHOEFF, 1938: 302

**Current status:** junior synonym of *Lithobius alluaudi* BROLEMANN, 1924 according to ZAPPAROLI (1984c: 74)

**Family:** Lithobiidae

**Type material:** 1 ♀ (syntype)

**Type locality:** Morocco, "Atlas" [don. Karl W. Verhoeff 01.07.1940]

**Inventory number:** 1089

**Notes:** although the label accompanying the female NHMW syntype quote the generic locality "Atlas", the type localities mentioned in VERHOEFF's (1938) original paper clearly refer to Atlas mountains, Morocco; seven other syntypes are stored in the coll. Verhoeff, in Zoologisches Museum, Humboldt Universität, Berlin (ZAPPAROLI 1984).

***transalpinus* LATZEL**

*Lithobius mutabilis* var. *transalpinus* LATZEL, 1880a: 101

**Current status:** uncertain status, many of the subspecific taxa described under *Lithobius mutabilis* L. KOCH, 1872 are without any taxonomic significance since they are based on unstable characters (see FOLKMANOVÁ 1949, EASON 1972b: 135); included in the Catalogus Faunae Austriae (WÜRMLI 1972: 9) as *L. mutabilis transalpinus* LATZEL, 1880; VERHOEFF (1935: 475) considered Latzel's variation as a subspecies of *L. latro* MEINERT, 1872

**Family:** Lithobiidae

**Type material:** 11 ♂♂, 18 ♀♀ (syntypes)

**Type locality:** "Küstenland, österr. S-Alpen" [coll. don. Robert Latzel]

**Inventory number:** 1233 [Acquisition 1919.]

***transsylvanicus* LATZEL**

*Lithobius (Eulithobius) transsylvanicus* LATZEL, 1882: 332

**Current status:** valid species, under *Eupolybothrus (Mesobothrus)* VERHOEFF, 1937 according to JEEKEL (1967: 173)

**Family:** Lithobiidae

**Type material:** a) 1 ♂, 1 ♀, 1 immature; - b) 5 ♂♂, 6 ♀♀, 2 immatures; (syntypes)

**Type locality:** a) Romania, Orsova (Ungarn, Banat); - b) "Südungarn" (type locality!), Dalmatia [coll. don. Robert Latzel]

**Inventory number:** a) 2008 (Acquisition 1884.1.3); - b) 4209 (Acquisition 1919)

**Notes:** according to LATZEL's (1882) paper only specimens from "Südungarn" are syntypes, they are stored together in the same vial with *Eu. transsylvanicus*

from Dalmatia, collected by Latzel as well; two other female syntypes from "Banat" and "Hungary" are stored in the ZMB (MORITZ & FISCHER 1979: 327); type species of *Mesobothrus* VERHOEFF, 1937 (JEEKEL 2005).

### ***tricalcaratus* ATTEMS**

*Monotarsobius tricalcaratus* ATTEMS, 1909a: 20, tab. 1, fig. 5

**Current status:** although this species was repeatedly quoted in checklists and papers on N. American and E. Asian fauna (e. g., CHAMBERLIN 1946: 177, MURAKAMI 1965: 72, KEVAN 1983: 2949), its status has never been revised since the original description

**Family:** Lithobiidae

**Type material:** a) 1 ♂, 1 ♀; - b) 2 ♂♂, 2 ♀♀; - c) 1 microslide: 3 individuals in bad condition 1 ♂, 1 ♀, 1 juv.; (syntypes)

**Type locality:** a) Alaska, Port Clarence (South Cap Prince of Wales); - b) Russia, Chukotskiy Poluostrov, Nunyamo; - c) Alaska, Port Clarence (South Cap Prince of Wales) [coll. Vega Expedition a) & c) 22. 07.–26. 07. 1879; - b) 07. 1879, don. Leonhard A. Jägerskiöld, Museum Göteborg]

**Inventory number:** a) 4147; - b) 4148; - c) 4160

**Notes:** as historical remark, it may be noted that the syntypes of this species, as well as those of *Monotarsobius arcticus* ATTEMS, 1909 (see above), were collected during the first successful navigation of the North East Passage, completed by Adolf Erik Nordenskiöld (1832-1901), Swedish naturalist and polar explorer, aboard the ship Vega in July 1879.

### ***tricholophus* ATTEMS**

*Bothropolys tricholophus* ATTEMS, 1938: 349, figs 314, 315

**Current status:** although ATTEMS (1953: 139) confirmed the original generic classification and the status of valid species of this taxon, its status has never been revised by modern authors since the original description; not included in the MATIC's (1974) key to the East Asiatic species of the genus *Bothropolys* WOOD, 1862

**Family:** Lithobiidae

**Type material:** a) 4 ♂♂; - b) 2 ♂♂, 1 dissected; - c) 4 ♂♂, 3 ♀♀, 1 immature; (syntypes)

**Type locality:** Vietnam, S-Annam: a) Pic de Lang Biang (2300 m); - b) Djiring (1000 m); - c) Da Lat (1500 m) [coll. Constantin Dawydoff] b) 01.1933; - c) 26.01.1931]

**Inventory number:** 3925

### ***triops* ATTEMS**

*Lamyctes triops* ATTEMS, 1908: 186, fig. 1

**Current status:** uncertain status; ATTEMS (1909b: 12) established the monotypic genus *Marcianella* for the single species *Marcianella triops* (ATTEMS,

1908); later (ATTEMS 1928: 64) he maintained *Marcianella* in Henicopidae opposite to VERHOEFF (1931: 307) who regarded *M. triops* as described on an immature specimen of *Lithobius microps* MEINERT, 1868, clearly belonging to the Lithobiidae; see also EDGECOMBE et al. (2002: 32)

**Family:** presumably Lithobiidae

**Type material:** 1 individual (syntype)

**Type locality:** Europe, Elba [coll. don. Karl Holdhaus]

**Inventory number:** 3911

### *trogloodytes* LATZEL

*Lithobius trogloodytes* LATZEL, 1886b: 104

**Current status:** valid species, under *Lithobius* LEACH, 1814

**Family:** Lithobiidae

**Type material:** 2 ♀♀ (syntypes)

**Type locality:** S-France, Ariège, Grotte du Mas-d'Azil, Grotte de Peyronnard [coll. Jules Chalande, don. Latzel]

**Inventory number:** 1265 [Acquisition 1919.]

**Notes:** in the original description only the Grotte du Mas-d'Azil is mentioned as collecting site; Latzel wrote "S-France, Grotte" on the label in the jar; Attems specified "Grotte de Peyronnard" on another label, but it is unclear from where he got this information.

### *turkestanicus* ATTEMS

*Lithobius curtipes turkestanicus* ATTEMS, 1904: 119, tab. 8, fig. 2

**Current status:** junior synonym of *Lithobius* (*Monotarsobius*) *ferganensis* TROTZINA, 1880 according to EASON (1997: 120) and ZAPPAROLI (1999: 131); see also EASON (1972b: 115)

**Family:** Lithobiidae

**Type material:** a) 2 ♂♂, 2 ♀♀; - b) 1 ♂, 3 ♀♀; - c) 2 ♂♂, 1 ♀; (syntypes)

**Type locality:** Kyrgyzstan, Tien Shan: a) "Turkestan" (B1412); - b) Ara-Bel 4000 m (B714); - c) "Kok-dschajak" (B 927) [coll. György Almassy & Rudolf Stummer; b) 20.08.1900; - c) 10.09.1900, don. György Almassy & Rudolf Stummer]

**Inventory number:** a) 3950; - b) 3951; - c) 3952

### *typhlus* LATZEL

*Lithobius typhlus* LATZEL, 1886a: 169

**Current status:** valid species whose status has never been revised since its original description, the only redescription known is in BROLEMANN (1930: 300); according to DEMANGE & SERRA (1978: 44) and SERRA (1983: 78) *L.*

*typhlus* belongs to a group of cave adapted Pyrenean Lithobiidae needing of revision including *Lithobius cavernicola* FANZAGO, 1877, *L. allotyphlus* SILVESTRI, 1908, *L. racovitzai* MATIC, 1958 and *L. ambulotentus* DEMANGE & SERRA, 1978

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (syntypes)

**Type locality:** France, Pyrénées-Orientales, Grotte de Villefranche [don. Henri Gadeau de Kerville to Robert Latzel, Robert Latzel don.]

**Inventory number:** 1250 [Acquisition 1919.]

### *viriatu*s SSELIWANOFF

*Lithobius viriatus* SSELIWANOFF, 1880: 11, tab. I, fig. 3

**Current status:** valid species, under *Lithobius* LEACH, 1814 according to MATIC & DARABANTU (1968: 113), but see below

**Family:** Lithobiidae

**Type material:** 1 ♂, 1 ♀ (syntypes)

**Type locality:** Ukraine, Sevastopol [don. Robert Latzel 1919, Latzel got the specimens from Anton Sseliwanoff]

**Inventory number:** 1267 (Acquisition 1919)

**Notes:** Marzio Zapparoli identified the two specimens in the NHMW collections as *L. forficatus* in 1986; in SSELIWANOFF's (1880) original description 15 specimens are listed; possibly some of them did not really belong to *L. viriatus*, as the two Latzel obtained.

### Acknowledgements

We gratefully thank Jürgen Gruber for his help and advice, Pavel Stoev and Ivan Tuf for the clarification of certain localities, Greg Edgecombe for his help clarifying some problems with the Henicopidae, C.A.W. Jeekel for providing literature and Andrea Kourgli for checking the references.

### References

- ATTEMS C., 1895: Die Myriopoden Steiermarks. – Sitzungsberichte der kaiserl. Akademie der Wissenschaften Wien, Math.-naturw. Classe 104 (I): 117–238, Taf. I–VII.
- ATTEMS C., 1899: Neues über paläarktische Myriopoden. Zoologische Jahrbücher Abtheilung für Systematik 12: 286–336, Taf. 14–16.
- ATTEMS C., 1901: Myriopoden. – In: HORVATH G.: Zoologische Ergebnisse der dritten asiatischen Forschungsreise des Grafen Eugen Zichy. Dritte Asiatische Forschungsreise des Grafen Eugen Zichy, Vol. 2., Leipzig, Karl W. Hiersemann, pp. 275–310, Taf. IX–XI.
- ATTEMS C., 1902: Myriopoden von Kreta, nebst Beiträgen zur allgemeinen Kenntnis einiger Gattungen. – Sitzungsberichte der kaiserl. Akademie der Wissenschaften in Wien, Mathem.-naturw. Classe 111(I): 527–614, Taf. I, II.

- ATTEMS C., 1903: Beiträge zur Myriopodenkunde. – Zoologische Jahrbücher Abtheilung für Systematik 18: 63–154, Taf. 5–11.
- ATTEMS C., 1904a: Central- und hoch-asiatische Myriopoden. Gesammelt im Jahre 1900 von Dr. von Almassy und Dr. von Stummer. – Zoologische Jahrbücher Abtheilung für Systematik 20: 113–130, Taf. 8, 9.
- ATTEMS C., 1904b: Neue palaearktische Myriopoden nebst Beiträgen zur Kenntnis einiger alten Arten. – Archiv für Naturgeschichte 70 (I) Heft 2: 179–196, Taf. IX, X.
- ATTEMS C., 1905: Myriopoden. – In: PENTHER A. und ZEDERBAUER E.: Ergebnisse einer naturwissenschaftlichen Reise zum Erdschias-Dagh (Kleinasien). – Annalen des k.k. naturhistorischen Hofmuseums 20: 163–167, Taf. VIII.
- ATTEMS C., 1907a: Myriopoden aus der Krim und dem Kaukasus, von Dr. A. Stuxberg gesammelt. – Arkiv för Zoologi 3 (25) 16 pp., Taf. 1, 2.
- ATTEMS C., 1907b: Javanische Myriopoden, gesammelt von Direktor Dr. K. Kraepelin im Jahre 1903. – Mitteilungen aus dem Naturhistorischen Museum, 2. Beiheft zum Jahrbuch der Hamburgischen Wissenschaftlichen Anstalten XXIV: 77–142, Taf. I–III.
- ATTEMS C., 1907c: Die Myriopoden der Deutschen Südpolar-Expedition 1901–1903. – In: DRYGALSKI, E. von (ed.): Deutsche Südpolar-Expedition 1901–1903 Vol. 9 (Zoologie 1): 415–433, 16 Fig., Taf. XLIV.
- ATTEMS C., 1908: Myriopoden von Elba. – Zoologische Jahrbücher Abteilung für Systematik 26: 181–195, Taf. 16.
- ATTEMS C., 1909a: Die Myriopoden der Vega-Expedition. – Arkiv för Zoologi 5 (3) 84 pp., 27 Fig., Taf. 1–5.
- ATTEMS C., 1909b: Myriopoden. – In: SCHULTZE L.: Forschungsreise im westlichen und zentralen Südafrika ausgeführt in den Jahren 1903–1905. – Denkschriften der medizinisch-naturwissenschaftlichen Gesellschaft XIV: 1–52, Taf. I–IV.
- ATTEMS C., 1911: Myriopoda exkl. Scolopendridae. – In: MICHAELSEN W. und HARTMEYER R. (eds): Die Fauna Südwest-Australiens. – Ergebnisse der Hamburger südwest-australischen Forschungsreise 1905, 3. Lieferung 6 (1910–1911): 145–204, 110 Fig.
- ATTEMS C., 1914: Die indo-australischen Myriopoden. – Archiv für Naturgeschichte 80 A (4): 1–398, Taf. I–VII.
- ATTEMS C., 1926: Étude sur les Myriapodes recueillis par M. Henri Gadeau de Kerville pendant son voyage zoologique en Syrie (Avril–Juin 1908). – In: Voyage zoologique d’Henri Gadeau de Kerville en Syrie (Avril–Juin 1908). – Paris, J. -B. Baillièere et fils, 1: 221–266, Planche XXVII–XXX.
- ATTEMS C., 1927a: Myriopoden aus dem nördlichen und östlichen Spanien, gesammelt von Dr. F. Haas in den Jahren 1914–1919. Nebst Beiträgen zur Kenntnis der Lithobiiden, Glomeriden, sowie der Gattungen *Brachydesmus* und *Archiulus*. – Abhandlungen der Senckenbergischen Naturforschenden Gesellschaft 39 (3): 233–289; 85 Fig.
- ATTEMS C., 1927b: Neue Chilopoden. – Zoologischer Anzeiger 72: 291–305, 11 Fig.
- ATTEMS C., 1928: The Myriopoda of South Africa. – Annals of the South Africa Museum 26, 431 pp, 84 Fig., Plates I–XXVI.
- ATTEMS C., 1929: Die Myriopodenfauna von Albanien und Jugoslawien. Zoologische Jahrbücher, Abteilung für Systematik 56 (1928/29): 269–356, 15 Fig., Taf. 7–9.
- ATTEMS C., 1934: Einige neue Geophiliden und Lithobiiden des Hamburger Museums. – Zoologischer Anzeiger 107 (11/12): 310–317, 7 Fig.

- ATTEMS C., 1935: Myriopoden von Epirus. – Zoologischer Anzeiger 110 (5/6): 141–153, 13 Fig.
- ATTEMS C., 1938: Die von Dr. C. Dawydoff in Französisch Indochina gesammelten Myriopoden. – Mémoires du Muséum National d'Histoire Naturelle Paris VI (2): 187–353, 320 Fig.
- ATTEMS C., 1949a: Myriopoden von der Gleinalpe und zwei neue Attemsiidae. – Mitteilungen des Naturwissenschaftlichen Vereins für Steiermark 77/78: 5–10, 9 Fig.
- ATTEMS C., 1949b: Die Myriopodenfauna der Ostalpen. – Sitzungsberichte der Österreichischen Akademie der Wissenschaften, Mathem.- naturw. Kl. 158 (1/2): 79–153, 1 Karte.
- ATTEMS C., 1951a: Ergebnisse der Österreichischen Iran-Expedition 1949/59. Myriopoden vom Iran, gesammelt von der Expedition Heinz Löffler und Genossen 1949/50. – Sitzungsberichte der Österreichischen Akademie der Wissenschaften, Mathem.- naturw. Kl. 160 (1): 387–426.
- ATTEMS C., 1951b: Myriopodes d'Afrique, de Madagascar et de la Réunion récoltés par le Pr. Paul Remy. – Mémoires de l'Institut de Madagascar Série A, Tome V: 173–186, 32 fig.
- ATTEMS C., 1952: Myriopoden der Forschungsreise Dr. H. Franz in Spanien 1951 nebst Übersicht über die gesamte iberische Myriopodenfauna. – EOS, Revista Espanola de Entomologia XXVIII (4): 323–366, 47 Fig.
- ATTEMS C., 1953: Myriopoden von Indochina. Expedition von C. Dawidoff (1938–1939). – Mémoires du Muséum National d'Histoire Naturelle Paris, A, Zoologie V (3): 133–230, Taf. I–XIV.
- ATTEMS C., 1954: Myriopoda. – In: FRANZ H., Die Nordost-Alpen im Spiegel ihrer Landtierwelt. Innsbruck, Band 1, pp. 289–328.
- BERLESE A., 1888: *Lithobius pusillus* Latzel. – In: Acari, Myriapoda, Scorpiones hucusque in Italia reperta. Acari, Miriapodi e Scorpioni Italiani. – Fascicolo XLIX, ser. Acari, Myriopoda et Scorpiones hucusque in Italia reperta (Berlese, A. ed.), Padova, N. 1.
- BERLESE A., 1890: *Lithobius leptopus* Latzel. – In: Acari, Myriapoda, Scorpiones hucusque in Italia reperta. Acari, Miriapodi e Scorpioni Italiani. – Fascicolo LVII, ser. Acari, Myriopoda et Scorpiones hucusque in Italia reperta (Berlese, A. ed.), Padova, N. 2.
- BERLESE A., 1892: *Henicops caeculus* (Brol.) Berlese. – In: Acari, Myriapoda, Scorpiones hucusque in Italia reperta. Acari, Miriapodi e Scorpioni Italiani. – Fascicolo LXVI, ser. Acari, Myriopoda et Scorpiones hucusque in Italia reperta (Berlese, A. ed.), Padova, N. 9.
- BROLEMANN H. W., 1889: Contributions a la Faune Myriapodologique méditerranéenne: trois espèces nouvelles. – Annales de la Société Linnéenne de Lyon t. XXXV (1888): 271–284.
- BROLEMANN H. W., 1896: Matériaux pour servir a une faune des Myriapodes de France. – Feuille des Jeunes Naturalistes (III), 26, no. 306: 115–119, no. 307: 133–135, no. 308, 309: 166–168.
- BROLEMANN H. W., 1897: Matériaux pour servir a une faune des Myriapodes de France. – Feuille des Jeunes Naturalistes (III), 28, no. 326: 28–30.
- BROLEMANN H. W., 1898: Matériaux pour servir a une faune des Myriapodes de France. – Feuille des Jeunes Naturalistes (III), 29, no. 334: 187–192, no. 335: 200–203.
- BROLEMANN H. W., 1930: Eléments d'une Faune des Myriapodes de France. Chilopodes. – Faune de France, 25., Paris, Éd. P. Lechevalier, 405 pp.

- CHAMBERLIN R. V., 1916: The Lithobiid genera *Oabius*, *Kiberbius*, *Paobius*, *Arebius*, *Nothembius*, *Tigobius*. – Bulletin of the Museum of Comparative Zoölogy, Harvard College 57: 115–201.
- CHAMBERLIN R. V., 1920: The Myriapoda of the Australian Region. – Bulletin of the Museum of Comparative Zoology, Harvard College 64: 1–269.
- CHAMBERLIN R. V., 1923: Chilopoda of the Pribilof Islands, Alaska. – North American Fauna, Washington 46: 240–244.
- CHAMBERLIN R. V., 1946: On the chilopods of Alaska. – Annals of the Entomological Society of America 39: 177–189.
- CHAMBERLIN R. V., 1951: On Chilopoda collected in North-East Angola by Dr. A. de Barros Machado. Museo do Dundo, Subsídios para o Estudo da Biologica na Lunda. – Publicações Culturais, Companhia de Diamantes de Angola (Diamang) Lisboa 10: 97–111.
- CHAMBERLIN R. V. & WANG Y. M., 1952: Some records and descriptions of Chilopods from Japan and other oriental areas. – Proceedings of the Biological Society of Washington 65: 177–188.
- DEMANGE J. -M., SERRA A., 1978: Étude des rapports de longueur des articles des P. 15 de quelques *Lithobius* cavernicoles de l'Espagne et des Pyrénées françaises. Description d'une espèce et une sous-espèce nouvelles. – Speleon 24: 39–54.
- DOBRORUKA L. J., 1965: Ein Beitrag zur Landtierwelt von Korfu. Chilopoda. – Sitzungsberichte der Österreichischen Akademie der Wissenschaften, Mathem.- naturw. Kl. 174: 393–402.
- EASON E. H., 1965: On *Lithobius tricuspis* Meinert (Chilopoda, Lithobiidae) in Britain. – Annals and magazine of natural history London 8 (13): 285–295.
- EASON E. H., 1970: A redescription of the species of *Eupolybothrus* Verhoeff s. str. preserved in the British Museum (Natural History) and the Hope Department of Zoology, Oxford (Chilopoda, Lithobiomorpha). – Bulletin of the British Museum (Natural History) 19 (9): 289–310.
- EASON E. H., 1972a: The type specimens and identity of the species described in the genus *Lithobius* by George Newport in 1844, 1845 and 1849. – Bulletin of the British Museum (Natural History) 21: 297–311.
- EASON E. H., 1972b: The type specimens and identity of the species described in the genus *Lithobius* by C. L. Koch and L. Koch from 1841 to 1878 (Chilopoda: Lithobiomorpha). – Bulletin of the British Museum (Natural History) 22 (4): 105–150.
- EASON E. H., 1974a: On certain aspects of the generic classification of the Lithobiidae, with special reference to geographical distribution. – Symposia of the Zoological Society London 32: 65–73.
- EASON E. H., 1974b: The type specimens and identity of the species described in the genus *Lithobius* by F. Meinert, and now preserved in the Zoological Museum, Copenhagen University (Chilopoda: Lithobiomorpha). – Zoological Journal of the Linnean Society 55: 1–52, 33 figures.
- EASON E. H., 1975: On Lithobiidae from Majorca with a description of a new species of *Lithobius* (Chilopoda, Lithobiomorpha). – Journal of Natural History 9: 445–456.
- EASON E. H., 1976: The type specimens and identity of the Siberian species described in the genus *Lithobius* by Anton Stuxberg in 1876 (Chilopoda: Lithobiomorpha). – Zoological Journal of the Linnean Society 58: 91–127, 45 figures.

- EASON E. H., 1978: On Lithobiidae from the Seychelles with descriptions of two new species of the subgenus *Australobius*, genus *Lithobius* (Chilopoda: Lithobiomorpha). – Journal of Zoology London 184: 21–34.
- EASON E. H., 1980: On *Lithobius subtilis* Latzel, 1880, a little-known European species of Lithobiidae (Chilopoda: Lithobiomorpha). – Bulletin Zoologisch Museum Universiteit van Amsterdam 7: 125–131.
- EASON E. H., 1981: On some new and little-known southern Asiatic species of Lithobiidae (Chilopoda: Lithobiomorpha). – Entomologica Scandinavica 12: 327–338.
- EASON E. H., 1982: A review of the north-west European species of Lithobiomorpha with a revised key to their identification. – Zoological Journal of the Linnean Society 74: 9–33 with 12 figures.
- EASON E. H., 1983: The identity of the European and Mediterranean species of Lithobiidae (Chilopoda) described by K. W. Verhoeff and now represented by material preserved in the British Museum (Natural History). – Zoological Journal of the Linnean Society 77: 111–144. With 25 figures.
- EASON E. H., 1986a: On the synonymy of *Lithobius giganteus* Sseliwanoff, 1881 and the taxonomic status of *Porobius* ATTEMS, 1926 (Chilopoda). – Annalen des Naturhistorischen Museums in Wien 87B: 181–192.
- EASON E.H., 1986b: The Lithobiidae of Afghanistan with descriptions of three new species of the *giganteus*-group of *Lithobius* subgenus *Ezembius*, and a key to the central Asiatic species of this group (Chilopoda, Lithobiomorpha). – Steenstrupia 12: 49–60.
- EASON E. H., 1990: On *Lithobius sitianus* Chamberlin, a cavernicolous centipede from Crete (Chilopoda, Lithobiomorpha). – Fragmenta Entomologica 22 (2): 257–264.
- EASON E. H., 1993: Descriptions of four new species of *Lithobius* from the Oriental region and a redescription of *Australobius planis* (EASON, 1973) from Sri Lanka (Chilopoda: Lithobiomorpha). – Bollettino del Museo civico di Storia naturale di Verona 17 (1990): 181–200.
- EASON E. H., 1996: Lithobiomorpha from Sakhalin Island, the Kamchatka peninsula and the Kurile islands (Chilopoda). – Arthropoda selecta 5: 117–123.
- EASON E. H., 1997: On some Lithobiomorpha from the mountains of Kirghizia and Kazakhstan (Chilopoda). – Arthropoda selecta 6: 117–121.
- EASON E. H. & MINELLI A., 1976: The identity of the species of Lithobiidae described by F. Fanzago and G. Fedrizzi from 1874 to 1881 (Chilopoda, Lithobiomorpha). – Fragmenta Entomologica 12: 183–205.
- EDGEcombe G. D., 2004a: A new species of the Henicopid centipede *Dichelobius* (Chilopoda: Lithobiomorpha) from Southeastern Australia and Lord Howe Island. – Proceedings of the Linnean Society of New South Wales 125: 189–203.
- EDGEcombe G. D., 2004b: *Remylamyctes* (Chilopoda: Lithobiomorpha), a Henicopid centipede from Madagascar and Réunion. – Zootaxa 686: 1–11.
- EDGEcombe G. D., GIRIBET G. & WHEELER W. C., 2002: Phylogeny of Henicopidae (Chilopoda: Lithobiomorpha): a combined analysis of morphology and five molecular loci. – Systematic Entomology 27: 31–64.
- EDGEcombe G. D. & GIRIBET G., 2003: A new blind *Lamyctes* (Chilopoda: Lithobiomorpha) from Tasmania with an analysis of molecular sequence data for the *Lamyctes-Henicops* Group. – Zootaxa 152: 1–23.



- ENGHOFF H., 1975: Notes on *Lamyctes coeculus* (BROLEMANN), a cosmopolitic, parthenogenetic Centipede (Chilopoda: Henicopidae). – *Entomologica Scandinavica* 6: 45–46.
- FODDAI D., MINELLI A., SCHELLER, U., & ZAPPAROLI M., 1995: Chilopoda, Diplopoda, Pauro-poda, Symphyla. In: MINELLI A., RUFFO S. & LA POSTA S. (eds), Checklist delle specie della fauna italiana 32. Calderini, Bologna, 35 pp.
- FOLKMANOVÁ B., 1949: Sur les subspecies de *Lithobius mutabilis* Koch dans nos pays. [in Chech]. – *Věstník Čsl. zoologické společnosti* 13: 56–68.
- HAASE E., 1880: Schlesiens Chilopoden. I. Chilopoda anamorpha. Inaugural-Dissertation, Philosophische Fakultät Universität Breslau, 44 pp.
- HOLLINGTON L. M. & EDGECOMBE G. D., 2004: Two new species of the Henicopid centipede *Henicops* (Chilopoda: Lithobiomorpha) from Queensland and Victoria, with revision of species from Western Australia and a synoptic classification of Henicopidae. – *Records of the Australian Museum* 56: 1–28.
- JEEKEL C. A. W., 1963: The generic and subgeneric names of the European Lithobiidae generally referred to *Polybothrus* Latzel, 1880 (Chilopoda, Lithobiida). – *Entomologische Berichten* 23: 193–196.
- JEEKEL C. A. W., 1967: On two Italian *Lithobius* species described by Silvestri, with taxonomic notes on the genus *Eupolybothrus* Verhoeff (Chilopoda, Lithobiida). – *Beaufortia* 14 (175): 165–175.
- JEEKEL C. A. W., 2005: Nomenclator generum et familiarum Chilopodorum: A list of the genus and family-group names in the Class Chilopoda from the 10th edition of Linnaeus, 1758, to the end of 1957. *Myriapod Memoranda Supplement* 1, 130 pp.
- KEVAN D.K. McE., 1983: A preliminary survey of known and potentially Canadian and Alaskan centipedes (Chilopoda). – *Canadian Journal of Zoology* 61 (12): 2938–2955.
- KOCH L., 1878: Japanesische Arachniden und Myriapoden. – *Verhandlungen der k. k. zoologisch-botanischen Gesellschaft in Wien* 27: 735–797, Taf. XV, XVI.
- KOS I., 1992: A review of the taxonomy, geographical distribution and ecology of the centipedes of Yugoslavia. – *Berichte des Naturwissenschaftlich - Medizinischen Vereins in Innsbruck Suppl.* 10: 353–360.
- LATZEL R., 1880a: Zwei neue mitteleuropäische Arten der Gattung *Lithobius* Leach. – *Zoologischer Anzeiger* 3: 225–226.
- LATZEL R., 1880b: Die Myriopoden der Österreichisch - Ungarischen Monarchie. Erste Hälfte: Die Chilopoden. – Wien, Hölder, 228 pp., 10 lith. Tafeln mit 98 Fig.
- LATZEL R., 1882: Ein neuer Lithobier aus Ungarn und Serbien. – *Zoologischer Anzeiger* V. Jahrgang No. 101–128: 332.
- LATZEL R., 1886a: Les Myriopodes de la Normandie (2<sup>e</sup> liste) suivie de diagnoses d'espèces et de variétés nouvelles (de France, Algérie et Tunisie). – *Bulletin de la Société des Amis des Sciences naturelles de Rouen* 71: 165–177.
- LATZEL R., 1886b: Diagnoses d'espèces nouvelles. – In: CHALANDE J.: Contribution à la faune des Myriopodes de France. – 1<sup>e</sup> liste. – *Bulletin de la Société d'Histoire naturelle de Toulouse* 20: 104–106.
- LATZEL R., 1888a: Diagnoses d'espèces nouvelles. – In: CHALANDE J.: Contribution à la faune des Myriopodes de France. – 2<sup>e</sup> liste. – *Bulletin de la Société d'Histoire naturelle de Toulouse* 22: 85–86.

- LATZEL R., 1888b: Die vom k. k. Oberarzte Herrn Dr. Justyn Karlinski im Jahre 1887 in Bosnien, der Herzegowina und in Novibazar gesammelten Myriopoden. – Verhandlungen der k. k. zoologisch-botanischen Gesellschaft in Wien 38: 91–94.
- MATIC Z., 1966: Fauna Republicii Socialiste Romania. Clasa Chilopoda, Subclasa Anamorpha. – Academia republicii socialiste Romana Vol. VI, Fasc. 1, 272 pp.
- MATIC Z., 1969: Contributo alla conoscenza dei Lithobiidae dell' Iran (Chilopoda, Lithobiomorpha). – Fragmenta Entomologica 6: 87–114.
- MATIC Z., 1974: Contribution à la connaissance du genre *Bothropolys* Wood, 1863 (Lithobiomorpha, Ethopolidae). – Annales Zoologici, Warszawa 31: 329–341.
- MATIC Z. & DARABANTU C., 1968: Note critique sur quelques espèces du genre *Lithobius* (Chilopoda, Lithobiidae). – Bulletin de l'Institut de Zoologie et Musée, Academie Bulgare des Sciences 26: 103–117.
- MORITZ M. & FISCHER S. C., 1979: Die Typen der Myriapoden - Sammlung des zoologischen Museums Berlin. II. Chilopoda. – Mitteilungen des zoologischen Museums Berlin 55, Heft 2: 297–352.
- MURAKAMI Y., 1963: Postembryonic development of the common Myriapoda of Japan XIV. A new species of subgenus *Archilithobius* (Chilopoda: Lithobiidae). – Zoological Magazine (Dobutsugaku Zasshi) 72, No. 7: 194–198.
- MURAKAMI Y., 1965: Postembryonic development of the common Myriapoda of Japan XIX. Two new species of *Monotarsobius* (Chilopoda: Lithobiidae). – Zoological Magazine (Dobutsugaku Zasshi) 74, No. 3: 69–75.
- MURALEVITCH V. S., 1907: Zur Myriopodenfauna der Kaukasus. – Zoologischer Anzeiger 31: 329–351.
- MURALEVITCH V. S., 1926: Übersicht über die Chilopodenfauna des Kaukasus. – Zoologischer Anzeiger 69: 27–44.
- MURALEVITCH V. S., 1929: Scutigeridae et Lithobiidae de la faune du Caucase. – Mémoires de la Séction Zoologique de la Société des Amis des Sciences Naturelles, d'Antropologie et d'Ethnographie, Moscou 4: 4–120.
- ORSZÁGH I., 2001: Centipedes (Chilopoda) of the Slovak Republic. – Myriapodologica Czecho-Slovaca 1: 49–57.
- POCOCK R.I., 1901: Some new genera and species of lithobiomorphous chilopods. Annals and Magazine of Natural History 7: 448–451.
- PRUNESCU P. & PRUNESCU C.-C., 2004: The male genital system of *Anopsobiella dawydoffi* Attems, 1938 (Lithobiomorpha, Chilopoda). – Annalen des Naturhistorischen Museums in Wien 105 B: 59–65.
- SERRA A., 1980: Sobre la verdadera identidad de *Lithobius paucispinosus* Attems (Chilopoda, Lithobiomorpha). – Publicaciones del Departamento de Zoología, Universidad de Barcelona, Facultad de Biología 5: 43–48.
- SERRA A., 1983: Contribució al coneixement de les espècies troglòbies del subgènere *Lithobius* Leach (s. str.) (Chilopoda, Lithobiomorpha) de la Península Ibèrica i dels Pirineus francesos. – Publicaciones del Departamento de Zoología, Universidad de Barcelona, Facultad de Biología 9: 77–88.
- SILVESTRI F., 1894: Diagnosi di nuove specie di Miriapodi italiani. – Bolletino della Società Romana per gli studi Zoologici 3: 42–44.

- SILVESTRI F., 1909: Contribuzioni alla conoscenza dei Chilopodi III. Descrizione di alcuni generi e specie di Henicopidae. – Bolletino del Laboratorio di Zoologia generale e agraria della R. Scuola Superiore d'Agricoltura in Portici 4: 38–65.
- SSELIWANOFF A., 1880: Material for the study of Russian Myriapods. I. Chilopoda. – Trudy Russkago Entomologicheskogo Obshchestva 11: 3–26 [in Russian].
- STAGL V., 2001: The Myriapod collection in the Natural History Museum in Vienna with special reference to the life-work of Carl ATTEMS. – Fragmenta faunistica 43 Suppl.: 273–280.
- STAGL V. & MILDNER P., 2001: Zum Gedenken an Robert Latzel (1845–1919). – Rudolphinum. Jahrbuch des Landesmuseums für Kärnten 2000: 305–309.
- STAGL V., 2003: Zur Geschichte der Myriapoden-Forschung in Österreich und der Myriapoden-Sammlung des Naturhistorischen Museums in Wien. – Denisia 8: 165–178.
- STAGL V. & STOEV P., 2005: Type specimens of the order Callipodida (Diplopoda) in the Natural History Museum in Vienna. – Kataloge der wissenschaftlichen Sammlungen des Naturhistorischen Museums in Wien Band 19, Myriapoda, Heft 2, 26 pp.
- STOEV P., 1997: A check-list of the centipedes of the Balkan peninsula with some taxonomic notes and a complete bibliography (Chilopoda). – Entomologica Scandinavica 51: 87–105.
- STOEV P., 2001: On the centipedes (Chilopoda) of the Republic of Macedonia. – Historia naturalis bulgarica 13: 93–107.
- STOEV P., 2002: A Catalogue and key to the centipedes (Chilopoda) of Bulgaria. Pensoft Series Faunistica, Pensoft Publishers, Sofia, Bulgaria 25: 103 pp.
- STOEV P., 2005: On the identity of some poorly known lithobiid centipedes described by Karl Verhoeff (Chilopoda: Lithobiomorpha). – Zootaxa 796: 1–12.
- STROUHAL H. 1961: Hofrat Dr. Carl Attems zum Gedenken. – Annalen des Naturhistorischen Museums in Wien 64: 1–38.
- TAJOVSKÝ K., 2001: Centipedes (Chilopoda) of the Czech Republic. – Myriapodologica Czecho-Slovaca 1: 39–48.
- THALER K., 1992: Weitere Funde nivaler Spinnen (Aranei) in Nordtirol und Beifänge. – Berichte des Naturwissenschaftlich - Medizinischen Vereins in Innsbruck 79: 153–159.
- THALER K. & KNOFLACH B., 2001: Funde hochalpiner Spinnen in den "mittleren Ostalpen" (Tirol, Graubünden) 1997–2000 und Beifänge. – Veröffentlichungen des Tiroler Landesmuseum Ferdinandeum (Innsbruck) 81: 195–203.
- TOBIAS D., 1969: Grundsätzliche Studien zur Art-Systematik der Lithobiidae. – Abhandlungen der Senckenbergischen Naturforschenden Gesellschaft 523: 1–51.
- TOBIAS D., 1974: New criteria for the differentiation of species within the Lithobiidae. – Symposia of the Zoological Society of London 32: 75–87.
- VERHOEFF K. W., 1891: Über einige nordafrikanische Chilopoden. – Berliner Entomologische Zeitschrift 36: 63–70.
- VERHOEFF K. W., 1899: Neue und wenig bekannte Lithobiiden. (Beiträge zur Kenntnis paläarktischer Myriopoden 11). – Verhandlungen der k. k. zoologisch-botanischen Gesellschaft in Wien 49: 451–459.
- VERHOEFF K. W., 1900: Lithobiiden aus Bosnien, Herzegowina und Dalmatien. (Beiträge zur Kenntnis paläarktischer Myriopoden 15). – Berliner Entomologische Zeitschrift 45: 153–179.

- VERHOEFF K. W., 1904: Chilopoda. – In: BRONN, H. G. (ed.): Klassen und Ordnungen des Tierreichs. – Leipzig, Akademische -Verlagsgesellschaft Vol. 5, pp. 725.
- VERHOEFF K. W., 1925: Beiträge zur Kenntnis der Steinläufer, Lithobiiden. – Archiv für Naturgeschichte 91 (A) H. 9: 124–158.
- VERHOEFF K. W., 1931: Chilopoden der Insel Elba (Isopoden). – Zoologischer Anzeiger 95: 302–312.
- VERHOEFF K. W., 1935: Quer durch den Schwarzwald und schweizerischen Jura (Chiemgau), Chilopoden. – Verhandlungen des Naturwissenschaftlichen Vereins in Karlsruhe 31: 181–208.
- VERHOEFF K. W., 1936: Über Myriapoden aus Marokko. – Zoologischer Anzeiger 116: 241–248.
- VERHOEFF K. W., 1937: Chilopoden-Studien. Zur Kenntnis der Lithobiiden. – Archiv für Naturgeschichte Neue Folge 6: 171–257.
- VERHOEFF K. W., 1938: Myriapoden aus Marokko. II. Teil. – Zoologischer Anzeiger 123: 295–302.
- VERHOEFF K. W., 1939: Chilopoden der Insel Mauritius. – Zoologische Jahrbücher Abtheilung für Systematik 72: 71–98, Taf. 1–5.
- VERHOEFF K. W., 1941: Myriapoden der Insel Fernando Po. X. Beitrag zu den wissenschaftlichen Ergebnissen der Forschungsreise H. Eidmanns nach Spanisch-Guinea 1939/40 (Schluss). – Zoologischer Anzeiger 136: 89–98.
- VERHOEFF K. W., 1942: Chilopoden aus innerasiatischen Hochgebirgen. – Zoologischer Anzeiger 137: 35–52.
- VERHOEFF K. W., 1943: Über Chilopoden der Türkei. III. Aufsatz. – Zoologischer Anzeiger 143: 116–140.
- WANG D. & MAURIÈS J.-P., 1996: Review and perspective of study on myriapodology of China. In: GEOFFROY J.-J., MAURIÈS J. P., NGUYEN DUY-JACQUEMIN M. (eds): Acta Myriapodologica. – Mémoires du Muséum national d'Histoire naturelle Paris 169: 81–99.
- WEIDNER H., 1960: Die Entomologischen Sammlungen des Zoologischen Staatsinstituts und Zoologischen Museums Hamburg. III. Teil Chilopoda und Progoneata. – Mitteilungen aus dem Hamburgischen Zoologischen Museum und Institut 58: 57–104.
- WIRKNER C. S., STAGL V. & TURK N., 2002: Type specimens of the Chordeumatida in the Natural History Museum in Vienna (Diplopoda). – Kataloge der wissenschaftlichen Sammlungen des Naturhistorischen Museums in Wien, Band 16, Myriapoda, Heft 1, 31 pp.
- WÜRMLI M., 1972: Chilopoda, Symphyla. – In: Catalogus Faunae Austriae. Ein systematisches Verzeichnis aller auf österreichischem Gebiet festgestellten Tierarten. – Hrsg. von der Österreichischen Akademie der Wissenschaften unter Mitarbeit von Fachzoologen, Teil XIa, 19 pp.
- ZALESSKAJA N. T., 1978: Identification book of the Lithobiomorph centipedes of the USSR (Chilopoda, Lithobiomorpha). [in Russian]. – Moscow Nauka, 211 pp.
- ZAPPAROLI M., 1984a: Note su alcune specie del gen. *Eupolybothrus* della fauna di Grecia (Chilopoda, Lithobiomorpha). – Fragmenta Entomologica 17: 195–209.
- ZAPPAROLI M., 1984b: Tassonomia e geonemia di *Lithobius microdon* Latzel, 1886 (Chilopoda, Lithobiomorpha). – Annalen des Naturhistorischen Museums in Wien 86: 229–241.

- ZAPPAROLI M., 1984c: Considerazioni sui *Lithobius* endemici dell'Alto Atlante (Marocco) (Chilopoda, Lithobiomorpha). – Bolletino della Società Entomologica Italiana 116: 73–80.
- ZAPPAROLI M., 1984d: Osservazioni su alcune specie di Chilopodi Litobiomorfi del bacino mediterraneo occidentale (Chilopoda, Lithobiomorpha). – Bollettino dell'Associazione Romana di Entomologia 39: 1–9.
- ZAPPAROLI M., 1986: Osservazioni sui Chilopodi dell'Appennino lucano e calabrese (Chilopoda). – Biogeographia - Lavori della Società Italiana di Biogeografia N. S. 10: 311–340.
- ZAPPAROLI M., 1991: Note su alcune specie di Chilopodi della regione palestinese. – Fragmenta Entomologica 23: 15–33.
- ZAPPAROLI M., 1992: Note su tassonomia, corologia ed ecologia di *Lithobius peregrinus* Latzel, 1880 (Chilopoda, Lithobiomorpha). – Annalen des Naturhistorischen Museums in Wien 93: 161–179.
- ZAPPAROLI M., 1994: Note tassonomiche e faunistiche su Chilopodi della Grecia (Chilopoda). – Fragmenta Entomologica 26: 11–66.
- ZAPPAROLI M., 1999: The present knowledge of the centipede fauna of Anatolia (Chilopoda). – Biogeographia - Lavori della Società Italiana di Biogeografia N. S. 20: 105–177.
- ZAPPAROLI M., 2002: A catalogue of the centipedes from Greece (Chilopoda). – Fragmenta Entomologica 34: 1–146.
- ZAPPAROLI M., in press: A catalogue of the centipedes (Chilopoda) of Central Appenines (Italy). – Memorie del Museo civico di Storia naturale di Verona.



