

## A review of the millipede fauna of Vietnam (Diplopoda)

## Обзор диплопод фауны Вьетнама (Diplopoda)

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КЛЮЧЕВЫЕ СЛОВА: Diplopoda, Вьетнам, реестр, систематика.

ABSTRACT: Based on what we believe is a complete survey of the previous literature on Vietnamese millipedes, we present a list of 136 species recorded from Vietnam. We present all published records, and several new ones. Locality names have been updated to correspond with modern names. *Sinocallipus* cf. *simplipodicus* Zhang, 1983, is recorded as new for the Vietnamese fauna. *Tonkinbolus scaber* Verhoeff, 1939, is recorded as new for the Chinese fauna (Hong Kong). *Prionobelum leve* (Attems, 1938) is a new combination (from *Chinosphaera*). *Kalorthomorpha gracilis gigas* Attems, 1953 is elevated from subspecific status under *Oxidus gracilis* (C.L. Koch, 1847) to specific status as *Oxidus gigas* (Attems, 1953), stat.n. *Sellanucheza* gen.n. is proposed as a replacement name for *Szechuanella* Hoffman, 1960, nom. praeoccup. The genus includes two Vietnamese species, *Sellanucheza grandis* (Golovatch, 1984), comb.n. and *S. variata* (Attems, 1953), comb.n., in addition to *Sellanucheza tenebra* (Hoffman, 1960), comb.n. (China, the type-species).

РЕЗЮМЕ: На основе предположительно полного обзора опубликованной литературы по диплоподам Вьетнама составлен список, включающий 136 видов, зарегистрированных во Вьетнаме. Представлены все опубликованные находки, а также несколько новых. Названия локалитетов даны в соответствии с современным написанием. Вид *Sinocallipus* cf. *simplipodicus* Zhang, 1983, отмечен в качестве нового для фауны Вьетнама, а *Tonkinbolus scaber* Verhoeff, 1939 — новый для фауны Китая (Гонконг). *Prionobelum leve* (Attems, 1938) представляет собой новую комбинацию (из *Chinosphaera*). *Kalorthomorpha gracilis gigas* Attems, 1953 повышен в ранге из подвида вида *Oxidus gracilis* (C.L. Koch, 1847) до полного вида: *Oxidus gigas* (Attems, 1953), stat.n. Предложено новое название *Sellanucheza* gen.n. взамен *Szechuanella* Hoffman, 1960, nom. praeoccup. Этот род включает два вида из Вьетнама, *Sellanucheza grandis* (Golovatch, 1984), comb.n. и *S.*

*variata* (Attems, 1953), comb.n., а также *Sellanucheza tenebra* (Hoffman, 1960), comb.n. (Китай, типовой вид).

## Introduction

With its position in tropical Southeast Asia, Vietnam is a country with a very high level of biological diversity. There is thus reason to believe that Vietnam's fauna of millipedes is very rich. The present review of the existing literature is meant as a help for future studies on Vietnamese millipedes. We have taken the opportunity to include some new records of known species, but we are not describing new species here although we are aware of several undescribed species in existing collections of Vietnamese millipedes.

Millipedes from Vietnam have been described in numerous papers, culminating in two major treatments by Attems [1938, 1953]. Golovatch [1983c] reviewed the literature and gave a list of 116 species (including one identified only to the generic level) plus 4 subspecies. Because considerable progress has been made in the study of Vietnamese millipedes since 1983, and because Golovatch's review may not be readily available for many students, we here present an updated list.

The present list contains 136 species. The actual number of Vietnamese millipede species may be several times higher. We are aware of considerable unidentified collections of Vietnamese millipedes, housed in Institute of Ecology and Biological Resources, Hanoi, Vietnam; Zoological Museum, University of Moscow, Russia; Museum and Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland. Once these collections have been worked up, our list will certainly be obsolete.

The present paper contains three taxonomic novelties:

1. *Prionobelum leve* (Attems, 1938), which is a new combination (from *Chinosphaera levis* Attems, 1938).

2. The taxon *Kalorthomorpha gracilis gigas* Attems, 1953, which is elevated from subspecific status under *Oxidus gracilis* (C.L. Koch, 1847) to specific status as *Oxidus gigas* (Attems, 1953), stat.nov.

3. The generic name *Szechuanella* Hoffman, 1960, which is preoccupied and is replaced by *Sellanucheza* gen.n.

Several species and two genera of the large family Paradoxosomatidae described by Attems [1938] were also included in his monograph of the family from 1937 and their names thus formally date from 1937. In some cases the localities given by Attems in the 1938 treatment do not fully correspond to those given in the 1937 monograph. We have included all localities mentioned in the two treatments.

## Material and methods

The new records that we present are based on material from the collections listed in Table 1.

Table 1. Repositories of studied material.  
Табл. 1. Хранилища изученного материала.

IEBR	Institute of Ecology and Biological Resources, Hanoi, Vietnam
IZPAN	Muzej i Instytut Zoologii, Polska Akademia Nauk, Warsaw, Poland
MNHN	Muséum national d'Histoire naturelle, Paris, France
ZMUC	Zoological Museum, University of Copenhagen, Denmark
ZMUM	Zoological Museum, Moscow State University, Russia

We use the classification by Hoffman [1980], including the updatings by Shelley [2003]. Genera within families, and species within genera, are listed alphabetically.

The information on each species is arranged as follows:

1. Valid name

2. Synonyms relevant for the literature dealing with the species' occurrence in Vietnam. We have always included the name used by Golovatch [1983c] if the species in question did figure in his list.

3. Records from Vietnam, compiled from the literature. Attems' treatments from 1938 and 1953 remain the largest sources of information. We give, in Table 2, the locality names used by Attems, their modern counterpart, and the name of the province they belong to.

4. New records, if any.

5. General distribution.

6. Remarks.

References have been included if they provide original records for Vietnam and/or affect the taxonomy of the species. In some cases references giving important geographical and/or biological information about the species have also been included.

## Systematic account

### ORDER POLYXENIDA

#### Family LOPHOPROCTIDAE

#### Genus *Alloproctoides* Marquet & Condé, 1950

*Alloproctoides dawydoffi* (Attems, 1938)

*Monographis kraepelini dawydoffi* Attems, 1938;

*Alloproctoides dawydoffi*: Nguyen Duy & Condé, 1967; Golovatch, 1983c.

Table 2. Locality names in Attems [1938, 1953], their modern spelling and provincial assignment.

Табл. 2. Названия локалитетов в работах Аттемса [Attems, 1938, 1953], их современное написание и провинциальная принадлежность.

Locality name in Attems [1938, 1953]	Modern name	Province
Annam	Central Vietnam	
Arbre Broye	Tramhanh	LAMDONG
Bana	Mt. Bana	DANANG
Bangoi	Bangoi/Camranh	KHANHHOA
Buon Ma Thuot	Buonmathuot, Banmethuot	DAKLAK
Budap	Budap	LAMDONG
Camau	Camau	CAMAU
Cauda	Cauda	KHANHHOA
Chapa	Sapa	LAOCAI
Cochinchina	South of Vietnam	
Col des Nuages	Haivan mountain pass	DANANG
Cuabe	Cuabe	KHANHHOA
Dalat	Dalat	LAMDONG
Varella	Varella	PHUYEN
Djiring	Mt. Diling	LAMDONG
Donghoi, Dongoi	Donghoi	QUANGBINH
Dongtrang	Dongtrang	KHANHHOA
Fan-si-Pan	Mt. Fanxipan	LAOCAI
Hagiang	Hagiang	HAGIANG
Honba	Mt. Honba	KHANHHOA
Kontum	Kontum	KONTUM
Laichoi	Laichau	LAICHAU
Langbian	Mt. Langbian	LAMDONG
Lienchieu	Lienchieu	DANANG
Locninch	Locninh	BINHPUOC
Nhatrang	Nhatrang	KHANHHOA
Ninhhoa	Ninhhoa	KHANHHOA
Phanrang	Phanrang	NINHTHUAN
Phuho	Phuho	PHUTHO
Pol Nagar	Ponaga Tower	KHANHHOA
Poulo-Condore	Condao Island	BARIA-VUNGTAU
Poulo Dama	Phuquoc Island	KIENGIANG
Soctrang	Soctrang	SOCTRANG
Suoidau	Suoidau	KHANHHOA
Tayninch	Tayninh	TAYNINH
Tonkin	North of Vietnam	
Tourance	Danang	DANANG
Trangbom	Trangbom	DONGNAI
Vinh	Vinh	NGHEAN

Records from Vietnam: PROV. KHANHHOA, Nhatrang; PROV. BARIA-VUNGTAU, Condao Island [Attems 1938]; Atoll Tizard (exact locality unknown) [Attems, 1953].

Also known from Cambodia [Attems, 1953], Réunion, Mauritius, St. Helena and the Bismarck Archipelago [Nguyen Duy-Jacquemin & Condé, 1982].

REMARKS: Part of the material recorded by Attems [1938], viz. the specimen from PROV. KHANHHOA, Cuabe, and two of those from PROV. BARIA-VUNGTAU, Condao Island, was referred to *Unixenus* sp. by Nguyen Duy-Jacquemin & Condé [1967].

### Family POLYXENIDAE

#### Genus *Monographis* Attems, 1907

*Monographis demangei* Nguyen Duy-Jacquemin & Condé, 1967

*Monographis demangei*: Golovatch, 1983c.

Records from Vietnam: Redi (exact locality unknown) [Nguyen Duy-Jacquemin & Condé, 1967].

Only known from Vietnam.

#### Genus *Unixenus* Jones, 1944

*Unixenus* sp.

*Monographis kraepelini dawydoffi* Attems, 1938 (part),

*Unixenus* sp.: Nguyen Duy & Condé, 1967; Golovatch, 1983c.

Records from Vietnam: PROV. KHANHHOA, Cuabe; PROV. BARIA-VUNGTAU, Condao Island (Attems [1938], as *Monographis kraepelini dawydoffi*).

## ORDER GLOMERIDESMIDA

### Family GLOMERIDESMIDAE

#### Genus *Termitodesmus* Silvestri, 1911

*Termitodesmus calvus* Attems, 1938

*Termitodesmus calvus*: Golovatch, 1983c.

Records from Vietnam: PROV. KHANHHOA, Mt. Honba, 1000 m [Attems, 1938].

Only known from Vietnam.

## ORDER GLOMERIDA

### Family GLOMERIDAE

#### Genus *Annameris* Verhoeff, 1915

*Annameris curvimana* Verhoeff, 1915

*Annameris curvimana*: Golovatch, 1983c.

Records from Vietnam: North of Vietnam (“Tongking”), no exact locality [Verhoeff, 1915].

Only known from Vietnam.

*Annameris robusta* Verhoeff, 1920

*Annameris robusta*: Golovatch, 1983c.

Records from Vietnam: North of Vietnam (“Tongking”), no exact locality [Verhoeff, 1920].

Only known from Vietnam.

#### Genus *Hyleoglomeris* Verhoeff, 1910

*Hyleoglomeris electa* (Silvestri, 1917)

*Apiomeris (Hyleoglomeris) electa* Silvestri, 1917;

*Hyleoglomeris electa*: Attems, 1938, 1953; Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Dalat, Mt. Langbian, 2300–2400 m [Attems 1938].

Also known from India (Ghumti, Darjiling Distr.) [Silvestri, 1917] and Laos (Xieng Kuang) [Attems, 1953].

*Hyleoglomeris maior* Attems, 1938

*Hyleoglomeris maior*: Golovatch, 1983c.

Records from Vietnam: PROV. NINHTHUAN, Phanrang; PROV. KHANHHOA, Mt. Honba, forest [Attems, 1938].

Only known from Vietnam.

*Hyleoglomeris robusta* Attems, 1938

*Hyleoglomeris robusta*: Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Dalat, Mt. Langbian, 2300–2400 m [Attems, 1938].

Only known from Vietnam.

*Hyleoglomeris triangulifera* Attems, 1938

*Hyleoglomeris triangulifera*: Golovatch, 1983c.

Records from Vietnam: PROV. KHANHHOA, Nhatrang; PROV. KHANHHOA, Cauda [Attems, 1938].

Only known from Vietnam.

#### Genus *Hyperglomeris* Silvestri, 1917

*Hyperglomeris conspicua* Golovatch, 1983

*Hyperglomeris conspicua*: Golovatch, 1983c.

Records from Vietnam: PROV. HOABINH: Maichau, secondary tropical forest [Golovatch, 1983b].

Only known from Vietnam.

*Hyperglomeris dirupta* (Silvestri, 1917)

*Dinoglomeris dirupta* Silvestri, 1917;

*Hyperglomeris dirupta*: Golovatch, 1983c.

Records from Vietnam: PROV. LANGSON, Mauson [Silvestri, 1917].

Only known from Vietnam.

*Hyperglomeris lamellosa* Silvestri, 1917

*Hyperglomeris lamellosa*: Golovatch, 1983c.

Records from Vietnam: PROV. LANGSON, Mauson [Silvestri, 1917].

Only known from Vietnam.

*Hyperglomeris maxima* Golovatch, 1983

*Hyperglomeris maxima*: Golovatch, 1983c.

Records from Vietnam: PROV. HOABINH: Maichau, secondary tropical forest [Golovatch, 1983b].

Only known from Vietnam.

#### Genus *Peplomeris* Silvestri, 1917

*Peplomeris demangei* Silvestri, 1917

*Peplomeris demangei*: Golovatch, 1983c.

Records from Vietnam: HANOI CITY [Silvestri, 1917].

*Peplomeris magna* Golovatch, 1983

*Peplomeris magna*: Golovatch, 1983c.

Records from Vietnam: PROV. NINHBINH, Cucphuong National Park, pitfall traps in forest [Golovatch, 1983b]; same locality [Korsós & Golovatch, 1989].

New records: 2 ♂♂, 1 ♀ (IZPAN, ZMUC), same locality.

Only known from Vietnam.

#### Genus *Rhopalomeris* Verhoeff, 1906

*Rhopalomeris tonkinensis* Silvestri, 1917

*Rhopalomeris tonkinensis*: Golovatch, 1983c.

Records from Vietnam: PROV. LANGSON, Maouson [Silvestri, 1917].

Only known from Vietnam.

### ORDER SPHAEROTHERIIDA

The Asiatic sphaerotheriidans were catalogued by Jeekel [2001a].

#### Family ZEPHRONIIDAE (= Sphaeropoeidae)

##### Genus *Prionobelum* Verhoeff, 1924

*Prionobelum durum* Verhoeff, 1924

There are two subspecies within this species, both from an unspecified locality in North Vietnam. Mauriès' [2001] recent revision of a part of the type series has shown these taxa distinct and, if they prove to stem from the same locality and place, by definition they ought to be treated as two independent species.

*Prionobelum durum* Verhoeff, 1924, ssp. *durum* Verhoeff, 1924

*Prionobelum durum* Verhoeff, 1924;

*Prionobelum durum*: Golovatch, 1983c.

Records from Vietnam: North of Vietnam ("Tonkin") [Verhoeff, 1924].

Only known from Vietnam.

*Prionobelum durum* Verhoeff, 1924, ssp. *nitidum* Verhoeff, 1924

*Prionobelum durum nitidum* Verhoeff, 1924;

*Prionobelum durum*: Golovatch, 1983c.

Records from Vietnam: North of Vietnam ("Tonkin") [Verhoeff, 1924].

Only known from Vietnam.

REMARKS: Mauriès [2001] has recently redescribed *P. durum nitidum* from a lectotype male, and has synonymized *Chinosphaera* Attems, 1935 with *Prionobelum*.

*Prionobelum leve* (Attems, 1938), **comb.n.**

*Chinosphaera levis* Attems, 1938, Golovatch 1983c

Records from Vietnam: PROV. KHANHHOA, Nhatrang; PROV. KHANHHOA, Cauda; PROV. KHANHOA, Ninhua; PROV. KHANHOA, Gia (probably: Vangia) [Attems, 1938].

Only known from Vietnam.

REMARKS: This new combination results from the recently established synonymy of *Chinosphaera* under *Prionobelum* [Mauriès, 2001].

##### Genus *Sphaerobelum* Verhoeff, 1924

*Sphaerobelum bicornis* Attems, 1938

*Sphaerobelum bicornis*: Golovatch, 1983c.

Records from Vietnam: PROV. DANANG, Mt. Bana, 1400 m [Attems, 1938].

Only known from Vietnam.

*Sphaerobelum clavigerum* Verhoeff, 1924

*Sphaerobelum clavigerum*: Golovatch, 1983c.

Records from Vietnam: North of Vietnam ("Tonkin") [Verhoeff, 1924].

Only known from Vietnam.

*Sphaerobelum hirsutum* Verhoeff, 1924

*Sphaerobelum hirsutum*: Golovatch, 1983c.

Records from Vietnam: North of Vietnam ("Tonkin") [Verhoeff, 1924].

Only known from Vietnam.

*Sphaerobelum separatum* Attems, 1953

*Sphaerobelum separatum*: Golovatch, 1983c.

Records from Vietnam: PROV. LAOCAI, Mt. Fanxipan [Attems, 1953].

Only known from Vietnam.

##### Genus *Sphaeropoeus* Brandt, 1833

*Sphaeropoeus maculatus* (Verhoeff, 1924)

*Tonkinobelum maculatum* Verhoeff, 1924; Golovatch, 1983c;

*Sphaeropoeus maculatus*: Jeekel, 2001a.

Records from Vietnam: PROV. LANGSON, Maouson [Verhoeff, 1924].

Only known from Vietnam?

REMARKS: "Probably this is a synonym of *S. tigratus* Silvestri, based on erroneously labeled material" [Jeekel, 2001a]. *Sphaeropoeus tigratus* Silvestri, 1897, was described from Sumatra.

##### Genus *Zephronia* Gray, 1832

*Zephronia dollfusi* Pocock, 1895

"*Zephronia*" *dollfusi*: Golovatch, 1983c.

Records from Vietnam: South of Vietnam ("Cochin China") [Pocock, 1895].

Only known from Vietnam.

*Zephronia manca* Attems, 1936

"*Zephronia*" *manca*: Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Dran; PROV. LAMDONG, Dalat [Attems, 1936].

Also known from NE India (Sikkim, Kurseong) [Attems, 1936].

### ORDER PLATYDESMIDA

#### Family ANDROGNATHIDAE

##### Genus *Pseudodesmus* Pocock, 1887

*Pseudodesmus camptotrichus* (Attems, 1938)

*Sumatronium camptotrichum* Attems, 1938;

*Sumatronium camptotricheum*: Attems, 1953 (lapsus);

*Pseudodesmus camptotrichus*: Golovatch, 1983c.

Records from Vietnam: PROV. KHANHHOA, Bangoi/Camranh; PROV. KHANHHOA, Mt. Honba; PROV. KHANHHOA, Ponaga Tower; PROV. KHANHHOA, Cauda; PROV. PHUYEN, Cap Varella; PROV. DANANG, Mt. Bana, 1400 m; PROV. DANANG, Haivan mountain pass, 700 m; PROV. LAMDONG, Mt. Langbian, 2400 m; PROV. DAKLAK, Mt. Budap; PROV. BARIA-VUNGTAU, Condao Island [Attems, 1938]; PROV. LAMDONG, Mt. Langbian (Bellevue); PROV. LAOCAI, Sapa [Attems, 1953].

Also known from Laos (Xieng Kuang; Luang Prabang, Packlay) [Attems, 1953].

*Pseudodesmus variegatus* (Attems, 1938)

*Sumatronium variegatum* Attems, 1938;

*Pseudodesmus variegatus*: Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Mt. Langbian, 1500 m, decaying tree; same place, 2200–2400 m (Attems, 1938); PROV. LAMDONG, Mt. Langbian, 1500 m; PROV. LAMDONG, Dalat [Attems, 1953].

Also known from Laos (Xieng Kuang) [Attems, 1953].

**ORDER POLYZONIIDA****Family SIPHONOTIDAE****Genus *Dawydoffia* Attems, 1953**

*Dawydoffia kalonota* Attems, 1953

*Dawydoffia kalonota*: Golovatch, 1983c.

Records from Vietnam: PROV. LAOCAI, Sapa; PROV. LAOCAI, Mt. Fanxipan; PROV. DANANG, Mt. Bana, 1500 m [Attems, 1953].

Only known from Vietnam.

**ORDER SIPHONOPHORIDA**

The siphonophoridan millipedes were catalogued by Jeekel [2001c].

**Family SIPHONOPHORIDAE****Genus *Siphonacme* Cook & Loomis, 1928**

*Siphonacme dawydoffi* (Attems, 1938)

*Siphonophora dawydoffi* Attems, 1938;

*Annamium dawydoffi*: Verhoeff, 1941; Golovatch, 1983c;

*Siphonacme dawydoffi*: Attems, 1951, 1953; Jeekel, 2001c.

Records from Vietnam: PROV. PHUTHO, Phuho; PROV. KHANHHOA, Nhatrang; PROV. KHANHHOA, Cauda; PROV. PHUYEN, Cap Varella; PROV. LAMDONG, Mt. Diling; PROV. DAKLAK, Banmethuot; PROV. DONGNAI, Trangbom; PROV. TAYNINH, Tayninh [Attems, 1938]; PROV. LAMDONG, Mt. Langbian [Attems, 1953].

Also known from Cambodia (Bokkor) [Attems, 1938] and Laos (Xieng Kuang, Luang Prabang) [Attems, 1953].

**Genus *Siphonophora* Brandt, 1837**

As *Siphonophora* is based on a Caribbean species, it appears highly questionable if Jeekel's [2001c] treatment of several of the Vietnamese species as congeners of *S. portoricensis* (Brandt, 1837) is correct. Hence the quotation marks.

“*Siphonophora*” *coatichira* Attems, 1938

*Siphonophorella coatichira*: Attems 1951; Golovatch 1983c,

*Siphonophora coatichira*: Jeekel 2001c.

Records from Vietnam: PROV. DANANG, Mt. Bana, 500–700 m; PROV. PHUTHO, Phuho [Attems, 1938].

Only known from Vietnam.

“*Siphonophora*” *nematoides* Attems, 1938

*Siphonophorella nematoides*: Attems, 1951, Golovatch, 1983c;

*Siphonophora nematoides*: Jeekel, 2001c.

Records from Vietnam: PROV. DANANG, Mt. Bana, 1400 m; PROV. LAMDONG, Dalat, 1500 m [Attems, 1938].

Only known from Vietnam.

“*Siphonophora*” *villosa* Attems, 1938

*Siphonophorella villosa*: Attems, 1951; Golovatch, 1983c;

*Siphonophora villosa*: Jeekel, 2001c.

Records from Vietnam: PROV. DANANG, Mt. Bana, 1400 m [Attems, 1938].

Only known from Vietnam.

**Family SIPHONORHINIDAE****Genus *Kleruchus* Attems, 1938**

*Kleruchus olivaceus* Attems, 1938

*Kleruchus olivaceus*: Golovatch, 1983c.

Records from Vietnam: PROV. DANANG, Mt. Bana, 1500 m [Attems, 1938].

Only known from Vietnam.

**Genus *Siphonorhinus* Pocock, 1894**

*Siphonorhinus cingulatus* (Attems, 1936)

*Siphonophora cingulata* Attems, 1936;

*Pterozonium cingulatum*: Attems, 1951; Golovatch, 1983c;

*Zinaceps cingulatus*: Chamberlin & Wang, 1953;

*Siphonorhinus cingulatus*: Jeekel, 2001c.

Records from Vietnam: PROV. LAMDONG, Dalat, 5000 feet [Attems, 1936].

Also known from NE India (Darjeeling District) [Attems, 1936].

*Siphonorhinus robustus* (Attems, 1938)

*Teratognathus robustus* Attems, 1938, 1953; Golovatch, 1983c;

*Siphonorhinus robustus*: Carl, 1941; Jeekel, 2001c.

Records from Vietnam: PROV. LAMDONG, Mt. Diling, 1000 m; PROV. LAMDONG, Dalat, 1500 m; PROV. LAMDONG, Mt. Langbian, 2400 m; PROV. TAYNINH, Tayninh [Attems, 1938]; PROV. LAOCAI, Sapa [Attems, 1953].

Also known from Laos (Xieng Kuang) [Attems, 1953].

**ORDER JULIDA****Family JULIDAE****Genus *Nepalmatoiulus* Mauriès, 1983**

This large genus was revised by Enghoff [1987].

*Nepalmatoiulus coxahaerens* Enghoff, 1987

Records from Vietnam: PROV. LANGSON, Mauson [Enghoff, 1987].

Only known from Vietnam.

*Nepalmatoiulus crassus* (Attems, 1938)

*Fusiulus crassus* Attems, 1938;

“*Anaulaciulus*” *crassus*: Golovatch, 1983c;

*Nepalmatoiulus crassus*: Enghoff, 1987.

Records from Vietnam: PROV. DANANG, Mt. Bana, 1500 m (Attems [1938], as *Fusiulus crassus*).

Only known from Vietnam.

REMARKS: Records of this species by Attems [1953] refer to other species (*N. fan*, *N. pan*) or cannot be verified [Enghoff, 1987].

*Nepalmatoiulus falcatus* Enghoff, 1987

Records from Vietnam: PROV. LANGSON, Mauson [Enghoff, 1987].

Only known from Vietnam.

*Nepalmatoiulus fan* Enghoff, 1987

*Fusiulus crassus*: Attems, 1953 (part.).

Records from Vietnam: PROV. LAOCAI, Mt. Fanxipan [Enghoff, 1987].

Only known from Vietnam.

*Nepalmatoiulus operculatus* Enghoff, 1987

Records from Vietnam: PROV. LANGSON, Mauson [Enghoff, 1987].

Only known from Vietnam.

*Nepalmatoiulus pan* Enghoff, 1987

*Fusiulus crassus*: Attems, 1953 (part.).

Records from Vietnam: PROV. LAOCAI, Mt. Fanxipan [Enghoff, 1987].

Only known from Vietnam.

*Nepalmatoiulus xenognathos* Enghoff, 1987

Records from Vietnam: The provenance of the unique holotype is unknown. According to Enghoff [1987], it is “presumably from Vietnam”, possibly from PROV. KIENGIANG, Phuquoc Islands (“Poulo Dama islands”).

Only known from Vietnam.

#### ORDER SPIROBOLIDA

The Oriental and Australian members of this order were catalogued by Jeekel [2001d].

#### Family PSEUDOSPIROBOLELLIDAE

##### Genus *Pseudospirobolellus* Carl, 1912

*Pseudospirobolellus avernus* (Butler, 1876)

*Spirostreptus avernus* Butler, 1876;

*Spirobolus bulbiferus* Attems, 1903;

*Pseudospirobolellus bulbiferus*: Attems, 1953;

*Pseudospirobolellus avernus*: Hoffman, 1981; Golovatch, 1983c.

Records from Vietnam: PROV. NGHEAN, Vinh; PROV. QUANGBINH, Donghoi; PROV. LAMDONG, Mt. Langbian [Attems, 1953].

A widespread, tropical ‘tramp’ species, known mostly from islands [Enghoff, 2001].

*Pseudospirobolellus sigmoides* Attems, 1953

*Pseudospirobolellus sigmoides*: Golovatch, 1983c.

REMARKS: No locality was given by Attems [1953]. However, according to the files of the Natural History Museum of Vienna where the type specimen is housed, the type locality is in Vietnam (no further specification).

#### Family SPIROBOLELLIDAE

##### Genus *Paraspirobolus* Brölemann, 1902

*Paraspirobolus lucifugus* (Gervais, 1836)

*Iulus lucifugus* Gervais, 1836;

*Physobolus striatus* Attems, 1953;

*Paraspirobolus dictyonotus* (Latzel, 1895): Golovatch, 1983c;

*Paraspirobolus lucifugus*: Jeekel, 2001b, d.

Records from Vietnam: PROV. QUANGBINH, Donghoi (Attems [1953], as *Physobolus striatus*).

Recorded from widely scattered regions in the Neotropical, Afrotropical and Oriental regions, mainly from islands. Also found in greenhouses in several European countries.

REMARKS: Jeekel [2001b] gave an overview of the nomenclature and distribution of this species.

##### Genus *Physobolus* Attems, 1936

*Physobolus annulatus* Attems, 1953

*Physobolus annulatus*: Golovatch, 1983c.

Records from Vietnam: PROV. LAOCAI, Mt. Fanxipan, 2500 m [Attems, 1953].

Only known from Vietnam.

*Physobolus pulvinipes* Golovatch & Korsós, 1990

Records from Vietnam: PROV. LAOCAI (formerly Prov. Hoanglienson): 17 km SE Laocai, Dangkhao valley [Golovatch & Korsós, 1990].

Only known from Vietnam.

#### Family PACHYBOLIDAE

##### Genus *Aulacobolus* Pocock, 1903

*Aulacobolus brevipygus* Golovatch & Korsós, 1990

Records from Vietnam: PROV. NINHBIEN: Cucphuong National Park [Golovatch & Korsós, 1990].

Only known from Vietnam.

##### Genus *Tonkinbolus* Verhoeff, 1938

*Tonkinbolus dollfusii* (Pocock, 1893)

*Spirobolus dollfusii* Pocock, 1893;

*Tonkinbolus dollfusii*: Hoffman, 1962; Golovatch, 1983c.

Records from Vietnam: South of Vietnam “Cochinchina” [Pocock, 1893].

Only known from Vietnam.

*Tonkinbolus scaber* Verhoeff, 1939

*Tonkinbolus scaber*: Golovatch, 1983c.

Records from Vietnam: Indochina (Ma Son) (exact locality unknown) [Verhoeff, 1939].

Recorded here as new to China: 1 ♂ (ZMUC), Hong Kong, P. Lam leg., det. 1983, H. Enghoff det. Otherwise known only from Vietnam.

#### Family TRIGONIULIDAE

##### Genus *Apeuthes* Hoffman & Keeton, 1960

*Apeuthes exustus* (Attems, 1938)

*Eucarlia exusta* Attems, 1938;

*Apeuthes exusta*: Golovatch, 1983c;

*Apeuthes exustus*: Jeekel, 2001d.

Records from Vietnam: “Kuang Tcheau Wan” (exact locality unknown) [Attems, 1938].

Only known from Vietnam.

*Apeuthes eydouxii* (Gervais, 1847)

*Iulus eydouxii* Gervais, 1847;

*Eucarlia charactopyga* Attems, 1938;

*Apeuthes charactopyga*: Golovatch, 1983c;

*Eucarlia eydouxii*: Mauriès et al., 2001;

*Apeuthes eydouxii*: Jeekel, 2001d.

Records from Vietnam: PROV. DANANG, Danang (“Touranne”, Gervais [1847], see Mauriès et al. [2001]); PROV. DANANG, Danang [Attems, 1938].

Only known from Vietnam.

*Apeuthes maculatus* (Attems, 1938)

*Eucarlia maculata* Attems, 1938;

*Apeuthes maculata*: Golovatch, 1983c;

*Apeuthes maculatus*: Jeekel, 2001d.

Records from Vietnam: PROV. KHANH HOA, Dongtrang [Attems, 1938].

New records: several ♂♂, ♀♀ (ZMUC), PROV. KHANH HOA, Nhatrang, 22.III.2000, P. Gravlund & A.R. Rasmussen leg.; several ♂♂, ♀♀ (ZMUC), PROV. KHANH HOA, Nhatrang, Bao Dai Village Hotel, in garden, 12.III.2004, P. Gravlund leg.

Only known from Vietnam.

##### Genus *Decelus* Hoffman & Keeton, 1960

*Decelus brachysternus* (Attems, 1938)

*Trigoniulus brachysternus* Attems, 1938;

*Decelus brachysternus*: Hoffman & Keeton, 1960; Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Mt. Langbian, 1400 m, decaying wood; same place, 2400 m; PROV. LAMDONG, Dalat [Attems, 1938].

Only known from Vietnam.

### Genus *Trigoniulus* Pocock, 1894

*Trigoniulus corallinus* (Gervais, 1847)

*Spiroboles punctidives* Karsch, 1881;

*Trigoniulus lumbricinus* Gerstaecker, 1893; Attems 1953; Golovatch 1983c;

"*Spiroboles*" *punctidives*: Golovatch, 1983c;

*Trigoniulus corallinus*: Hoffman, 1994.

Records from Vietnam: HOCHIMINH CITY [Karsch, 1881, Brölemann, 1896]; PROV. LAMDONG, Mt. Langbian; PROV. SOCTRANG, Soctrang; PROV. CAMAU, Camau [Attems, 1953]; HANOI CITY, Xuan Dinh NW of Hanoi [Golovatch & Korsós, 1990].

New records: several ♂♂, ♀♀ (IEBR), PROV. TAY-NINH, Logo-Xamat National Park: *Dipterocarpus* forest, XI.2003, Nguyen Duc Anh leg.; several ♂♂, ♀♀ (IEBR), HANOI CITY, Nghia Do, decayed wood, 5.IX.2002, Nguyen Duc Anh leg.

An anthropochore species also known from numerous tropical islands throughout the world, as well as from several coastal continental sites and fewer inland ones. Most likely originated from SE Asia [Shelley & Lehtinen, 1999].

REMARKS: See Shelley & Lehtinen [1999] and Jeekel [2002] for the extensive synonymy of this species.

## ORDER SPIROSTREPTIDA

### Family CAMBALOPSIDAE

#### Genus *Trachyjulus* Peters, 1864

*Trachyjulus singularis* (Attems, 1938)

*Cambalopsis singularis* Attems, 1938;

*Trachyjulus singularis*: Jeekel, 1963b; Golovatch, 1983c.

Records from Vietnam: PROV. BARIA-VUNGTAU, Condao Island [Attems, 1938].

Only known from Vietnam.

### Family GLYPHIULIDAE

#### Genus *Glyphiulus* Gervais, 1847

*Glyphiulus capucinus* Attems, 1938

*Glyphiulus capucinus*: Golovatch, 1983c.

Records from Vietnam: PROV. DANANG, Mt. Bana, 1400 m [Attems, 1938].

Only known from Vietnam.

*Glyphiulus mediator* Attems, 1938

*Trachyjulus mediator*: Carl, 1941;

*Glyphiulus mediator*: Golovatch, 1983c.

Records from Vietnam: PROV. DANANG, Mt. Bana, 1400 m [Attems, 1938].

Only known from Vietnam.

*Glyphiulus superbus* Silvestri, 1923

*Glyphiulus superbus*: Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Dalat, 5000 ft [Silvestri, 1923].

Only known from Vietnam.

*Glyphiulus vietnamicus* Mauriès, 1977

*Glyphiulus vietnamicus*: Golovatch, 1983c.

Records from Vietnam: PROV. QUANGBINH, KeBang Cave, 130 m [Mauriès, 1977].

Only known from Vietnam.

### Genus *Hypocambala* Silvestri, 1897

*Hypocambala gracilis* (Attems, 1938)

*Hyspasticus gracilis* Attems, 1938;

*Hypocambala gracilis*: Jeekel, 1963b; Golovatch, 1983c.

Records from Vietnam: Itu Aba (Tizard Bank) (exact locality unknown) [Attems, 1938].

Only known from Vietnam.

## Family PERICAMBALIDAE

### Genus *Chonecambala* Mauriès & Enghoff, 1990

*Chonecambala crassicauda* Mauriès & Enghoff, 1990

Records from Vietnam: PROV. NINHBIH: Cucphuong National Park [Mauriès & Enghoff, 1990].

Only known from Vietnam.

### Genus *Pericambala* Silvestri, 1910

*Pericambala orientalis* Silvestri, 1910

*Pericambala orientalis*: Golovatch, 1983c.

Records from Vietnam: PROV. LANGSON, Thanhmoi [Silvestri, 1910a].

Only known from Vietnam.

## Family HARPAGOPHORIDAE

### Genus *Anurostreptus* Attems, 1914

*Anurostreptus alienus* (Attems, 1936)

*Thyropygus alienus* Attems, 1936;

*Anurostreptus alienus*: Attems, 1942; Golovatch, 1983c;

*Cercostreptus alienus*: Demange, 1961.

Records from Vietnam: PROV. LAMDONG, Dran [Attems, 1936].

Only known from Vietnam.

### Genus *Phyllogonostreptus* Carl, 1918

One Vietnamese species is provisionally referred to this genus. According to Demange's [1975] stringent approach, this genus is purely Indian.

"*Phyllogonostreptus*" *uniserialis* (Attems, 1938)

*Thyropygus uniserialis* Attems, 1938;

*Phyllogonostreptus uniserialis*: Attems, 1942;

"*Phyllogonostreptus*" *uniserialis*: Golovatch, 1983c.

Records from Vietnam: PROV. HAGIANG, Hagiang [Attems, 1938].

Only known from Vietnam.

### Genus *Thyropygus* Pocock, 1894

*Thyropygus allevatus* (Karsch, 1881)

Two subspecies of this variable species [cf. Hoffman, 1975] have been recorded from Vietnam. *Thyropygus allevatus* is known from Vietnam, Laos and Thailand [Hoffman, 1975].

*Thyropygus allevatus* (Karsch, 1881), ssp. *punctatus* Attems, 1938

*Thyropygus punctatus* Attems, 1938;

*Thyropisthus punctatus*: Attems 1942, Demange 1961;

*Thyropygus allevatus punctatus*: Hoffman, 1975; Golovatch, 1983c.

Records from Vietnam: PROV. BARIA-VUNGTAU, Condao Island [Attems, 1938].

The subspecies is only known from Vietnam.

*Thyropygus allevatus* (Karsch, 1881), ssp. *quietus* Attems, 1938

*Thyropygus quietus* Attems, 1938;

*Thyropisthus quietus*: Attems, 1942; Demange 1961;

*Thyropygus allevatus quietus*: Hoffman, 1975; Golovatch, 1983c.

Records from Vietnam: PROV. KHANHHOA, Nhatrang [Attems 1938]; Kao Seming (exact locality unknown) [Demange, 1961].

The subspecies is only known from Vietnam.

*Thyropygus carli* Attems, 1938

*Thyropygus cuisinieri carli* Attems, 1938;

*Thyropisthus cuisinieri carli*: Attems, 1942; Demange, 1961, 1983; Golovatch, 1983c;

*Thyropygus carli*: Hoffman, 1975.

Records from Vietnam: PROV. BARIA-VUNGTAU, Condao Island; PROV. KHANHHOA, Nhatrang [Attems, 1938]; Cap St. Jacques (exact locality unknown); PROV. KHANHHOA, Nhatrang [Demange, 1961]; PROV. KHANHHOA, Cauda near Nhatrang (Demange [1983], locality erroneously assigned to Thailand).

New records: 1 ♂ (ZMUC), PROV. KHANHHOA, Nhatrang, 22.iii.2000, P. Gravlund & A.R. Rasmussen leg.; 1 ♂, 3 juv. (ZMUC), PROV. BINHTHUAN, Phantiet, 2002, P. Gravlund leg.; 4 ♂♂ 1 ♀ (ZMUC), PROV. KHANHHOA, Nhatrang, Bao Dai Village Hotel, garden, 9–13.iii.2004, J.B. Rasmussen leg.

Also known from Thailand (Bachien) [Demange, 1961].

REMARKS: Hoffman [1975] elevated *carli* to species status based on the slight morphological differences plus the fact that *carli* seems to occur sympatrically with *cuisinieri* s.s. at Nhatrang.

*Thyropygus confusus* Attems, 1938

Represented by two subspecies in Vietnam. *T. confusus* is also known from Thailand [Demange, 1983].

*Thyropygus confusus* Attems, 1938, ssp. *confusus* Attems, 1938

*Thyropygus confusus* Attems, 1938;

*Thyropisthus confusus*: Attems, 1942; Demange, 1961;

*Thyropygus confusus* ssp. *confusus*: Golovatch, 1983c.

Records from Vietnam: PROV. HAGIANG, Hagiang [Attems, 1938]; PROV. HAGIANG, Hagiang; PROV. LAM-DONG, Baoha; PROV. LAOCAI, Laocai; Men Luong (exact locality unknown); Lieut. (exact locality unknown) [Demange, 1961].

The subspecies is only known from Vietnam.

*Thyropygus confusus* Attems, 1938, ssp. *tenuispinus* (Demange, 1961)

*Thyropisthus confusus tenuispinus* Demange, 1961;

*Thyropygus confusus tenuispinus*: Hoffman, 1975; Golovatch, 1983c.

Records from Vietnam: PROV. ROGET (exact locality unknown) [Demange, 1961].

New record: several ♂♂, ♀♀ (IEBR, ZMUC), PROV. VINHPHU, Melinh Station, secondary forest, vii.2003, Nguyen Duc Anh leg.

The subspecies is also known from Thailand (Bangkok [orchid museum], Silang) [Demange, 1983].

*Thyropygus cuisinieri* Carl, 1917

*Thyropygus cuisinieri* Carl, 1917; Attems, 1938; Hoffman, 1975; Golovatch, 1983c;

*Thyropisthus cuisinieri*: Attems, 1942; Demange, 1961.

Records from Vietnam: PROV. TAYNINH, Tayninh [Carl, 1917]; PROV. KHANHHOA, Nhatrang; PROV. KONTUM, Kontum, 700 m [Attems, 1938]; HOCHIMINH CITY, Bung Binh [Demange, 1961].

New record: several ♂♂, ♀♀ (IEBR, ZMUC), PROV. KIENGIANG, Phuquoc Island, *Dipterocarpus* secondary forest, under leaves, 18.VII.2003, Nguyen Duc Anh leg.

Also known from Thailand [Demange, 1961, 1983].

REMARKS: *T. carli* (see above) was originally described as a subspecies of *T. cuisinieri*, which has therefore been referred to as *T. cuisinieri cuisinieri* by some authors.

## ORDER CALLIPODIDA

### Family SCHIZOPETALIDAE

#### Genus *Scotopetalum* Shear, 2000

According to Stoev (in litt.), the allocation and status of this genus are questionable.

#### *Scotopetalum warreni* Shear, 2000

Records from Vietnam: PROV. HOABINH, Hongmat Cave (NW of Hanoi); PROV. HOABINH, Hangtua Cave (NW of Hanoi) [Shear, 2000].

Only known from Vietnam.

### Family SINOCALLIPODIDAE

#### Genus *Sinocallipus* Zhang, 1993

#### *Sinocallipus* cf. *simplipodicus* Zhang, 1993

NEW RECORD FOR VIETNAM. Material: 1 ♂, 3 ♀♀ (MNHN), HANOI CITY, 1905, leg. Dr. Boutan, coll. A. Kempf, J.-P. Mauriès det.

Known also from China (Yunnan Province, close to the Vietnamese border) and southern Laos [Shear et al., 2003].

REMARKS: According to Stoev (in litt.), the above Vietnamese sample belongs to a different species than the Chinese type specimens.

## ORDER CHORDEUMATIDA

### Family KASHMIREUMATIDAE

#### Genus *Vieteuma* Golovatch, 1984

#### *Vieteuma topali* Golovatch, 1984

*Vieteuma topali*: Golovatch, 1983c (nomen nudum).

Records from Vietnam: PROV. LAOCAI, Oquyho, Sapa Distr., pass between Laocai and Laichau provinces, 2160 m, sifted litter [Golovatch, 1984].

Only known from Vietnam.



**Family MEGALOTYLIDAE****Genus *Nepalella* Shear, 1979**

*Nepalella vietnamica* Golovatch, 1983

*Nepalella vietnamica*: Golovatch, 1983a, c.

Records from Vietnam: PROV. YENBAI: Chay river valley, Lucyen, 300 m, beaten from bushes at forest edge [Golovatch, 1983a].

Only known from Vietnam.

**Family METOPIDIOTRICHIDAE****Genus *Metopidothrix* Attems, 1907**

This large genus was revised by Shear [2002].

*Metopidothrix mada* Shear, 2002

Records from Vietnam: PROV. DONGNAI, MaDa Forest [Shear, 2002].

Only known from Vietnam.

*Metopidothrix melanocephala* Golovatch, 1984

*Metopidothrix melanocephala*: Golovatch, 1983a (nomen nudum).

Records from Vietnam: PROV. THAINGUYEN, Buonluoi 35 km north of Ankhe, tropical rainforest, litter [Golovatch, 1984].

Only known from Vietnam.

**ORDER POLYDESMIDA****Family PLATYRHACIDAE****Genus *Platyrhacus* C.L. Koch, 1847**

*Platyrhacus bouvieri* Brölemann, 1896

Records from Vietnam: South of Vietnam (“Indo-Chine”) [Brölemann, 1896].

A dubious species, according to Attems [1936].

*Platyrhacus marginellus* Silvestri, 1895

*Platyrhacus marginellus*: Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Mt. Langbian, Trăm Hành, 1400 m; PROV. LAMDONG, Dalat, 1500 m; PROV. PHUYEN, Varella, 500 m [Attems, 1938]; PROV. LAMDONG, Dalat [Attems, 1953].

Also known from Laos (Xieng Kuang) [Attems, 1953], Sumatra and continental Malaya [Attems, 1938].

**Family PARADOXOSOMATIDAE****Genus *Annamina* Attems, 1937**

*Annamina xanthoptera* Attems, 1937

*Annamina xanthoptera*: Golovatch, 1983c.

Records from Vietnam: PROV. DANANG, Lienchieu; PROV. DANANG, Haiwan mountain pass [Attems, 1937, 1938].

Only known from Vietnam.

**Genus *Antheromorpha* Jeekel, 1968**

*Antheromorpha festiva* (Brölemann, 1896)

*Orthomorpha festiva* Brölemann, 1896;

*Antheromorpha festiva*: Jeekel, 1968; Golovatch, 1983c.

Records from Vietnam: South of Vietnam (“Indo-Chine”) [Brölemann, 1896].

Only known from Vietnam.

*Antheromorpha harpaga* (Attems, 1937)

*Orthomorpha harpaga* Attems, 1937;

“*Orthomorpha*” *harpaga*: Jeekel, 1963a;

*Antheromorpha harpaga*: Jeekel, 1968; Golovatch, 1983c.

Records from Vietnam: PROV. KHANHHOA, Nhatrang, Suoidau [Attems, 1937, 1938].

Only known from Vietnam.

**Genus *Asiomorpha* Verhoeff, 1939**

This genus is often referred to as the *coarctata* group of *Orthomorpha* Bollman, 1893 [cf. Golovatch, 2000].

*Asiomorpha coarctata* (DeSaussure, 1860)

*Orthomorpha coarctata* (DeSaussure, 1860): Attems, 1953; Golovatch 1983c, 1984;

*Asiomorpha coarctata*: Verhoeff, 1939.

Records from Vietnam: HANOI CITY, Mailam, NE of Hanoi, sifted from under decaying cornstems, and from pit-fall traps under a bush fence in village; PROV. HANOI, Yenso SW of Hanoi: beaten from trees; HANOI CITY, Than liet SW of Hanoi, beaten from trees [Golovatch, 1984]; PROV. DANANG, Danang [Attems, 1938]; PROV. QUANGBINH, Donghoi. — PROV. NGHEAN, Vinh [Attems, 1953].

New record: 1 ♀ (ZMUC), PROV. KHANHHOA, Nhatrang, VIII.2001, P. Gravlund & A.R. Rasmussen leg..

Probably of East Asian origin, *coarctata* has become very widespread in tropical and subtropical areas throughout the world [Jeekel, 1963; Shelley & Lehtinen, 1998].

**Genus *Chapanella* Attems, 1953**

*Chapanella rubida* Attems, 1953

*Chapanella rubida*: Golovatch, 1983c.

Records from Vietnam: PROV. LAOCAI, Sapa, 1500 m [Attems, 1953].

Only known from Vietnam.

**Genus *Desmoxytes* Chamberlin, 1923**

This genus was reviewed by Golovatch & Enghoff [1994].

*Desmoxytes aspera* (Attems, 1937)

*Centrodesmus asper* Attems, 1937;

*Pratinus asper*: Jeekel, 1964a;

*Hylomus aspera*: Jeekel, 1980;

*Hylomus asper*: Golovatch, 1983c;

*Desmoxytes aspera*: Golovatch & Enghoff, 1994.

Records from Vietnam: PROV. DANANG, Mt. Bana, 1400 m; PROV. NINHTHUAN, Phanrang; Haiwan mountain pass [Attems, 1937, 1938].

Only known from Vietnam.

*Desmoxytes cervaria* (Attems, 1953)

*Centrodesmus cervaria* Attems, 1953;

*Pratinus cervaria*: Jeekel, 1964a;

*Hylomus cervaria*: Jeekel, 1980;

*Hylomus cervarius*: Golovatch, 1983c;

*Desmoxytes cervaria*: Golovatch & Enghoff, 1994.

Records from Vietnam: PROV. LAOCAI, Sapa; PROV. LAOCAI, Mt. Fanxipan [Attems, 1953].

Only known from Vietnam.

*Desmoxytes hostilis* Golovatch & Enghoff, 1994  
Records from Vietnam: PROV. VINHPHU, Tamdao National Park: 1200 m, primary forest [Golovatch & Enghoff, 1994].

Only known from Vietnam.

*Desmoxytes pilosa* (Attems, 1937)

*Centrodesmus pilosus* Attems, 1937;  
*Pratinus pilosus*: Jeekel, 1964a;  
*Hylomus pilosa*: Jeekel, 1980;  
*Hylomus pilosus*: Golovatch, 1983c;  
*Desmoxytes pilosa*: Golovatch & Enghoff, 1994.

Records from Vietnam: PROV. NINH THUAN, Phanrang; Haivan mountain pass [Attems, 1937, 1938]; PROV. DAKLAK, ca. 40 km NW of Buon Ma Thuot, Buon Ya Wam, 450 m [Golovatch & Enghoff, 1994].

New record: several ♂♂, ♀♀ (IEBR, ZMUC), PROV. KHANHHOA, HonBa Mt.: primary forest, 6.IV.2003, Nguyen Duc Anh leg.

Only known from Vietnam.

*Desmoxytes spectabilis* (Attems, 1937)

*Centrodesmus spectabilis* Attems, 1937;  
*Pratinus spectabilis*: Jeekel, 1964a;  
*Hylomus spectabilis*: Jeekel, 1980, Golovatch, 1983c;  
*Desmoxytes spectabilis*: Golovatch & Enghoff, 1994.

Records from Vietnam: PROV. DANANG, Mt. Bana, 1500 m [Attems, 1937, 1938]

Endemic to Vietnam.

**Genus *Helicorthomorpha* Attems, 1914**

*Helicorthomorpha holstii* (Pocock, 1895)

*Strongylosoma holstii* Pocock, 1895;  
*Helicorthomorpha holstii*: Attems, 1914; Golovatch, 1983c.

Records from Vietnam: Kuang Tcheu Wan (exact locality unknown); PROV. HAGIAN, Hagiang; PROV. KHANHHOA, Cauda; PROV. KHANHHOA, Bangoi; PROV. KHANHHOA, Ninhhoa; PROV. KHANHHOA, Dongtrang; PROV. NINH THUAN, Phanrang; PROV. KHANHHOA, Gia (probably Vangia) [Attems, 1938]; HANOI CITY, Mailam, NE of Hanoi, beaten from bushes in village; PROV. NINH BINH, Cucphuong National Park, forest on limestone hill, beaten from bushes near creek; PROV. HANAM, Thuonglinh near Phuly; PROV. YENBAI, Yenbai; PROV. YENBAI, Minhxuan near Lucyen: 300 m, beaten from bushes; PROV. YENBAI, Lucyen: 300 m, beaten from bushes in forest; Muongson: 300 m, beaten from bushes on bank of River Chay, beaten from bushes on southern slopes [Golovatch, 1984]; PROV. NINH BINH, Cucphuong, forest clearing; PROV. HAIPHONG, Cat ba Island, Angsoi [Korsós & Golovatch, 1989].

Also known from continental China, Hong Kong, Taiwan, the Riu-Kiu islands; found in quarantine in Hawaii and Canada [Shelley & Lehtinen, 1998; Korsós, in prep.].

**Genus *Kronopolites* Attems, 1914**

*Kronopolites acuminatus* Attems, 1937, ssp. *acuminatus* Attems, 1937

*Kronopolites acuminatus* Attems, 1937;  
*Kronopolites acuminatus acuminatus*: Hoffman, 1963; Golovatch, 1983c.

Records from Vietnam: PROV. HAGIANG, Hagiang [Attems, 1937, 1938].

The subspecies *acuminatus* is a Vietnamese endemic, but ssp. *biagrilectus* Hoffman, 1963, occurs in China (Prov. Kiangsi).

**Genus *Leiozonius* Jeekel, 1963**

(*Leiozonius* Attems, 1953, unavailable name)

*Leiozonius levigatus* (Attems, 1937)

*Pratinus levigatus* Attems, 1937;  
*Leiozonius levigatus*: Jeekel, 1963a; Golovatch, 1983c.  
Records from Vietnam: PROV. NINH THUAN, Phanrang, 1000 m [Attems 1937, 1938].  
Only known from Vietnam.

**Genus *Orthomorpha* Bollman, 1893**

Golovatch [2000] has recently reviewed this genus.

*Orthomorpha arboricola* (Attems, 1937)

*Pratinus arboricola* Attems, 1937;  
*Orthomorpha arboricola*: Jeekel, 1963a; Golovatch, 1983c.  
Records from Vietnam: PROV. LAMDONG, Dalat, 1500 m; PROV. LAMDONG, Mt. Langbian, Trạm Hành [Attems, 1937, 1938].

Only known from Vietnam.

*Orthomorpha glandulosa* (Attems, 1937)

*Pratinus glandulosus* Attems, 1937;  
*Orthomorpha glandulosa*: Jeekel, 1963a; Golovatch, 1983c.  
Records from Vietnam: PROV. DAKLAK, near frontier with Cambodia; PROV. KHANHHOA, Nhatrang, Suoidau; PROV. KHANHHOA, Mt. Honba, 500 m [Attems, 1937, 1938].

Only known from Vietnam.

*Orthomorpha hydrobiologica* Attems, 1930

*Orthomorpha hydrobiologica*: Golovatch, 1983c.  
Records from Vietnam: PROV. QUANGNINH, Honggai; PROV. KHANHHOA, Nhatrang; PROV. KHANHHOA, Cauda; PROV. KHANHHOA, Cuabe; PROV. KHANHHOA, Bangoi; PROV. NINH THUAN, Phanrang; PROV. BINH PHUOC, Locninh; PROV. DAKLAK, Darlac; PROV. KIEN GIANG, Phuquoc island (Poulo Dama) [Attems, 1938].  
Also known from Cambodia and Java [Attems, 1938].

*Orthomorpha paviei* Brölemann, 1896

*Pratinus paviei*: Attems, 1937.  
Records from Vietnam: “Indo-Chine” [Brölemann, 1896].  
Only known from Vietnam.

*Orthomorpha rotundicollis* (Attems, 1937)

*Pratinus rotundicollis* Attems, 1937;  
*Orthomorpha rotundicollis*: Jeekel, 1963a; Golovatch, 1983c.  
Records from Vietnam: PROV. LAMDONG, Mt. Langbian, Trạm Hành, 1500 m; PROV. LAMDONG, Dalat, 1500 m [Attems, 1937, 1938]; PROV. LAMDONG, Mt. Langbian [Attems, 1953].

Also known from Laos (Xieng Kuang) [Attems, 1953].

*Orthomorpha scabra* Jeekel, 1964

*Pratinus granosus* Attems, 1953;  
*Orthomorpha granosa*: Jeekel, 1963a; Golovatch, 1983c;  
Non: *Orthomorpha granosa* Attems, 1913;  
*Orthomorpha scabra* Jeekel, 1964b.  
Records from Vietnam: PROV. LAMDONG, Mt. Langbian, summit [Attems, 1953].  
Also known from Laos (Xieng Kuang, Luang Prabang) [Attems, 1953].

“*Orthomorpha*” *setosa* Attems, 1937

“*Orthomorpha*” *setosa*: Jeekel, 1968; Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Dalat, 1500 m; PROV. LAMDONG, Mt. Langbian [Attems, 1937, 1938].

Only known from Vietnam.

REMARKS: Jeekel [1968] placed this species under “Unnamed genus”. As no genus has so far been named for *setosa*, it is listed here in its original combination, with quotation marks though.

*Orthomorpha tuberculata* (Attems, 1937)

*Pratinus tuberculatus* Attems, 1937;

*Orthomorpha tuberculata*: Jeekel, 1963a; Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Mt. Langbian, Trạ̄m Hằnh, 1500 m [Attems, 1937, 1938].

Only known from Vietnam.

*Orthomorpha variegata* Brölemann, 1896

Records from Vietnam: “Indo-Chine” [Brölemann, 1896].

REMARKS: A dubious species, male characters unknown [Jeekel, 1968].

Only known from Vietnam.

**Genus *Oxidus* Cook, 1911**

*Oxidus gigas* (Attems, 1953), **stat.n.**

*Kalorthomorpha gracilis gigas*: Attems, 1953;

*Oxidus gracilis gigas*: Golovatch, 1983c.

Records from Vietnam: PROV. LAOCAI, Sapa [Attems, 1953].

Only known from Vietnam.

REMARKS: This poorly-known taxon differs from the typical *gracilis* not only in size (males 2.9, females 3.2 mm broad versus 2–2.3 and 2–2.5 mm, resp.), but also in details of gonopod structure [Attems, 1953]. We therefore elevate *gigas* to full species status.

*Oxidus gracilis* (C.L. Koch, 1847)

*Kalorthomorpha gracilis* (Saussure): Attems, 1953;

*Oxidus gracilis*: Cook, 1911; Shelley & Lehtinen, 1998;

*Oxidus gracilis gracilis*: Golovatch, 1983c.

Records from Vietnam: PROV. LAOCAI, Sapa; PROV. LAOCAI, Mt. Fanxipan [Attems, 1953]; PROV. LAOCAI, Coxan, in and around a cave [Golovatch, 1984].

New record: 1 ♀ (IEBR), Hanoi, Nghiado, Nguyen Duc Anh leg.

Probably of East Asian origin, *O. gracilis* has become a cosmopolite. In colder areas, such as most of Europe and North America, it survives only indoors and is known as the hothouse millipede [Cook, 1911; Shelley & Lehtinen, 1998].

REMARKS: In Vietnam, this species is known as a house millipede.

**Genus *Piccola* Attems, 1953**

*Piccola banana* (Attems, 1937)

*Orthomorpha banana* Attems, 1937;

*Piccola banana*: Jeekel 1963a; Golovatch, 1983c.

Records from Vietnam: PROV. DANANG, Mt. Bana [Attems, 1937, 1938].

Only known from Vietnam.

*Piccola debilis* (Attems, 1953)

*Orthomorpha debilis* Attems, 1953;

*Piccola debilis*: Jeekel, 1963a; Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Dalat; PROV. LAMDONG, Mt. Langbian, 1500 m [Attems, 1953].

Only known from Vietnam.

*Piccola minuscula* (Attems, 1953)

*Orthomorpha minuscula* Attems, 1953;

*Piccola minuscula*: Jeekel, 1963a; Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Mt. Langbian, summit [Attems, 1953].

Only known from Vietnam.

*Piccola odontopyga* Attems, 1953

*Piccola odontopyga*: Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Mt. Langbian, summit, 2200 m [Attems, 1953].

Only known from Vietnam.

*Piccola spadix* (Attems, 1937)

*Orthomorpha spadix* Attems, 1937;

*Piccola spadix*: Jeekel, 1963a; Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Dalat, Mt. Langbian, 1200–1400 m [Attems, 1937, 1938].

Only known from Vietnam.

**Genus *Polylobosoma* Jeekel, 1980**

*Polylobosoma emarginatum* (Jeekel, 1953)

*Sundanina emarginata* Jeekel, 1953;

“*Sundanina*” *emarginata*: Jeekel, 1968;

*Polylobosoma emarginatum*: Jeekel, 1980; Golovatch, 1983c.

Records from Vietnam: PROV. LANGSON, Manson Mts, 2–3000’ [Jeekel, 1953].

Only known from Vietnam.

***Sellanucheza* gen.n.**

*Szechuanella* Hoffman, 1960 (preoccupied).

Type-species: *Szechuanella tenebra* Hoffman, 1960 (China), by direct substitution.

*Szechuanella* Hoffman, 1960 is preoccupied by *Szechuanella* Lu, 1959 (Trilobita) [Shelley et al., 2000]. Since no other name is available for the millipede genus named by Hoffman, a replacement is therefore requested. We here suggest *Sellanucheza*, an anagram of *Szechuanella*, to be treated as feminine. In addition to the type species, *Sellanucheza* gen.n. contains the two Vietnamese species listed below.

*Sellanucheza grandis* (Golovatch, 1984), **comb.n.**

*Szechuanella grandis*: Golovatch, 1983c (nomen nudum);

*Szechuanella grandis* Golovatch, 1984.

Records from Vietnam: PROV. NINH BINH, Cucphuong National Park: forest on limestone hill [Golovatch, 1984]; same locality [Korsós & Golovatch, 1989].

New records: several specimens (IZPAN, ZMUC), same locality.

Only known from Vietnam.

*Sellanucheza variata* (Attems, 1953), **comb.n.**

*Nedyopus variatus* Attems, 1953;

*Szechuanella variata*: Hoffman 1963; Golovatch 1983c.

Records from Vietnam: PROV. LAOCAI, Sapa; PROV. LAOCAI, Mt. Fanxipan [Attems, 1953].

Only known from Vietnam.

**Genus *Sundanina* Attems, 1914**

“*Sundanina*” *falcata* Attems, 1937

*Sundanina falcata* Attems, 1937;

*"Sundanina" falcata*: Golovatch, 1983c.

Records from Vietnam: PROV. LAMDONG, Dalat [Attems, 1937, 1938].

Only known from Vietnam.

REMARKS: Jeekel [1968] placed this species under "Unnamed genus". As *falcata* has still not been referred to another genus, it is listed here in its original combination, with quotation marks though.

### Genus *Sundaninella* Jeekel, 1968

*Sundaninella flavipes* (Attems, 1953)

*Sundanina flavipes* Attems, 1953;

*Sundaninella flavipes*: Jeekel, 1968; Golovatch, 1983c.

Records from Vietnam: PROV. DANANG, Mt. Bana, 1500 m [Attems, 1953].

Only known from Vietnam.

### Genus *Tonkinosoma* Jeekel, 1953

*Tonkinosoma flexipes* Jeekel, 1953

*Tonkinosoma flexipes*: Golovatch, 1983c.

Records from Vietnam: PROV. LANGSON, Manson Mts, 2–3000' [Jeekel, 1953].

Only known from Vietnam.

### Genus *Touranella* Attems, 1937

*Touranella gracilis* Attems, 1937

*Touranella gracilis*: Golovatch, 1983c.

Records from Vietnam: PROV. DANANG, Lienchieu [Attems, 1937, 1938].

Only known from Vietnam.

### Genus *Tylopus* Jeekel, 1968

The genus was reviewed by Golovatch & Enghoff [1993].

*Tylopus crassipes* Golovatch, 1984

*Tylopus crassipes*: Golovatch, 1983c (nomen nudum).

Records from Vietnam: PROV. LAOCAI, Oquyho near Sapa, 1900–1950 m, under bark of trees near stream [Golovatch, 1984].

Only known from Vietnam.

*Tylopus granulatus* Golovatch, 1984

*Tylopus granulatus*: Golovatch, 1983c (nomen nudum).

Records from Vietnam: PROV. NINH BINH, Cucphuong National Park, from pitfall traps in forest [Golovatch, 1984].

Only known from Vietnam.

*Tylopus hilaris* (Attems, 1938)

*Anoplodesmus hilaris* Attems, 1938;

*Tylopus hilaris*: Jeekel, 1968; Golovatch, 1983c.

Records from Vietnam: PROV. DANANG: Mt. Bana, 1500 m [Attems, 1938].

Only known from Vietnam.

*Tylopus hilaroides* Golovatch, 1984

*Tylopus hilaroides*: Golovatch, 1983c (nomen nudum).

Records from Vietnam: PROV. NINH BINH, Cucphuong National Park, from pitfall traps in forest [Golovatch, 1984]; same locality [Korsós & Golovatch, 1989].

Only known from Vietnam.

*Tylopus maculatus* Golovatch, 1984

*Tylopus maculatus*: Golovatch, 1983c (nomen nudum).

Records from Vietnam: PROV. LAOCAI, Oquyho near Sapa, 1950 m, beaten from bushes near stream [Golovatch, 1984].

Only known from Vietnam.

*Tylopus magicus* Golovatch, 1984

*Tylopus magicus*: Golovatch, 1983c (nomen nudum).

Records from Vietnam: PROV. LAOCAI, Oquyho near Sapa, 1950 m, under bark of trees by a stream [Golovatch, 1984].

Only known from Vietnam.

*Tylopus mutilatus* (Attems, 1953)

*Anoplodesmus mutilatus* Attems, 1953;

*Tylopus mutilatus*: Jeekel, 1968; Golovatch, 1983c.

Records from Vietnam: PROV. DANANG, Mt. Bana [Attems, 1953].

Only known from Vietnam.

*Tylopus nodulipes* (Attems, 1953)

*Agnesia nodulipes* Attems, 1953;

*Tylopus nodulipes*: Jeekel, 1968; Golovatch, 1983c.

Records from Vietnam: PROV. LAOCAI, Mt. Fanxipan [Attems, 1953].

Also known from Laos (Luang Prabang) [Attems, 1953].

*Tylopus procurvus* Golovatch, 1984

*Tylopus procurvus*: Golovatch 1983c (nomen nudum).

Records from Vietnam: PROV. LAOCAI, Oquyho, pass between prov. Laocai and Laichau, 2160 m, 1950 m, under bark of trees near stream [Golovatch, 1984].

Only known from Vietnam.

*Tylopus sigma* (Attems, 1953)

*Sundanina sigma* Attems, 1953;

*"Sundanina" sigma*: Jeekel, 1968;

*Tylopus sigma*: Golovatch, 1983c, 1984.

Records from Vietnam: PROV. LAOCAI, Sapa [Attems, 1953].

Only known from Vietnam.

*Tylopus strongylosomoides* (Korsós & Golovatch, 1989)

*Paratylopus strongylosomoides* Korsós & Golovatch, 1989;

*Tylopus strongylosomoides*: Golovatch & Enghoff, 1993.

Records from Vietnam: PROV. VINHPHU, Tamdao National Park, N of the village, under stones and bark [Korsós & Golovatch, 1989].

Only known from Vietnam.

*Tylopus tamdaoensis* Korsós & Golovatch, 1989

Records from Vietnam: PROV. VINHPHU, Tamdao National Park [Korsós & Golovatch, 1989].

Only known from Vietnam.

*Tylopus topali* Golovatch, 1984

*Tylopus topali*: Golovatch, 1983c (nomen nudum).

Records from Vietnam: PROV. NINH BINH, Cucphuong National Park, from pitfall traps in forest [Golovatch, 1984].

Only known from Vietnam.

### Genus *Vaulogerodesmus* Brölemann, 1916

The genus was reviewed by Golovatch et al. [2003].

*Vaulogerodesmus dawydoffiae* (Attems, 1953)

*Helicorthomorpha dawydoffiae* Attems, 1953;

*Vaulogerodesmus dawydoffiae*: Hoffman, 1973; Golovatch, 1983c.

Records from Vietnam: PROV. LAM Dong, Mt. Langbian, summit, 2200 m [Attems, 1953].

Only known from Vietnam.

*Vaulogerodesmus mahunkai* Korsós & Golovatch, 1989

Records from Vietnam: PROV. VINHPHU, Tam Dao, under stones, under stones and bark, subtropical rainforest; PROV. NINH BINH, Cucphuong [Korsós & Golovatch, 1989].

Only known from Vietnam.

*Vaulogerodesmus pictus* Brölemann, 1916

*Nedyopus pictus*: Attems, 1937;

*Vaulogerodesmus pictus*: Golovatch, 1983c.

Records from Vietnam: North of Vietnam ("Tonkin") [Brölemann, 1916]; PROV. VINHPHU, Tam Dao, subtropical rainforest, 900–1000 m, in tree stumps [Golovatch et al., 2003].

Only known from Vietnam.

#### Genus *Vietnamorpha* Golovatch, 1984

*Vietnamorpha spiralis* Golovatch, 1984

*Vietnamorpha spiralis*: Golovatch, 1983c (nomen nudum).

Records from Vietnam: PROV. NINH BINH, Cucphuong National Park: pitfall traps in forest, pitfalls near a creek [Golovatch, 1984]; same locality [Korsós & Golovatch, 1989].

New records: 3 ♂♂ (IZPAN, ZMUC), same locality.

Only known from Vietnam.

#### Family PYRGODESMIDAE

##### Genus *Octochaunus* Attems, 1938

*Octochaunus minusculus* Attems, 1938

*Octochaunus minusculus*: Golovatch, 1983c.

Records from Vietnam: PROV. KHANH HOA, Chutt [Attems, 1938].

Only known from Vietnam.

##### Genus *Dyskolonius* Attems, 1938

The genus was described as a subgenus of *Steganostigmus* Carl, 1932, but was listed as a full genus by Hoffman [1980].

*Dyskolonius uniramus* (Attems, 1938)

*Steganostigmus (Dyskolonius) uniramus* Attems, 1938;

*Steganostigmus uniramus*: Golovatch, 1983c.

Records from Vietnam: PROV. DANANG, Mt. Bana, 1400 m; PROV. DANANG, Haivan mountain pass, 800 m [Attems, 1938].

Only known from Vietnam.

REMARKS: The combination *Dyskolonius uniramus* has not been published before but, since *Dyskolonius* was elevated to a full genus by Hoffman [1980], its type-species already then automatically assumed the modified name.

#### Family DORATODESMIDAE

##### Genus *Eutrichodesmus* Silvestri, 1910

*Eutrichodesmus demangei* Silvestri, 1910

*Eutrichodesmus demangei*: Golovatch, 1983c.

Records from Vietnam: PROV. HANAM, Phylly [Silvestri, 1910b].

Only known from Vietnam.

#### Family OPISOTRETIDAE

##### Genus *Corypholophus* Attems, 1938

*Corypholophus minutus* Attems, 1938

*Corypholophus minutus*: Golovatch, 1983c.

Records from Vietnam: PROV. KHANH HOA, Cauda [Attems, 1938]; "North Vietnam" (without exact locality) [Golovatch, 1987].

New record: 1 ♂ (ZMUM), PROV. HOABINH, Mai Chau Distr., village Suong, left bank of Ma River, mosses, 09.VII.1981, D. Krivolutsky leg. (The record by Golovatch [1987] was based on this very sample, though its conspecificity with *C. minutus* is still to be verified.)

Only known from Vietnam.

#### Family CRYPTODESMIDAE

##### Genus *Niponia* Verhoeff, 1931

*Niponia kometis* (Attems, 1938)

*Niponielle kometis* Attems, 1938;

*Onomatoplanus kometis*: Attems, 1953;

*Niponia kometis*: Golovatch, 1983c.

Records from Vietnam: PROV. LAM Dong, Dalat, 1500 m; PROV. LAM Dong, Dalat, Camly, 1500 m; PROV. LAM Dong, Mt. Langbian, 2400 m; PROV. LAM Dong, Mt. Diling, 1000 m; PROV. DANANG, Mt. Bana, 1400 m; PROV. KHANH HOA, Mt. Honba [Attems, 1938]; PROV. LAM Dong, Mt. Langbian; PROV. LAM Dong, Dalat; PROV. DANANG, Mt. Bana; PROV. LAOCAI, Mt. Fanxipan; PROV. LAICHAU, Laichau; PROV. ??, Katié (Mekong) [Attems, 1953].

Also known from Laos [Attems, 1953].

Remarks: We have seen specimens (1 ♂, 1 ♀, PROV. KHANH HOA, Honba, primary forest, 1500 m, near stream, 5.iv.2003, leg Nguyen Duc Anh) of a cryptodesmid which is quite similar to *N. kometis*, yet obviously belonging to a different, probably undescribed species. Honba is one of the localities for *N. kometis* mentioned by Attems [1938], but the possibility remains that the quite numerous specimens Attems [1938, 1953] referred to this species do in fact represent several species, as turned out to be the case for *Nepalmatopilus crassus* (Attems, 1938) (cf. above).

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#### References

- Attems C. 1914. Die indo-australischen Myriopoden // Arch. Naturg. Jg.80A. S.1–398.  
Attems C. 1936. Diplopoda of India // Mem. Indian Mus. Vol.11. P.133–323.

- Attems C. 1937. Myriopoda 3. Polydesmoidea I. Fam. Strongylosomidae // Das Tierreich. Lfg.68. S.1–300.
- Attems C. 1938. Die von Dr. C. Dawydoff in Französisch Indochina gesammelten Myriopoden // Mém. Mus. natn. Hist. nat., N.S. T.6. Fasc.2. P.187–321.
- Attems C. 1942. Zur Kenntnis der indischen Harpagophoridae // Ann. Naturh. Mus. Wien. Bd.52. S.66–105.
- Attems C. 1951. Revision systématique des Colobognatha (Myriopodes Diplopodes) et description d'espèces nouvelles // Mém. Mus. natn. Hist. nat., Sér.A (Zool.). T.3. Fasc.3. P.193–231.
- Attems C. 1953. Myriopoden von Indochina. Expedition von C. Dawydoff (1938–1939) // Ibid. T.5. Fasc.3. P.133–230.
- Brölemann H.W. 1896. Myriapodes recueillis en Indo-Chine et offerts au Muséum de Paris par M. Pavie // Bull. Mus. Hist. nat., Paris. T.2. P.332–333.
- Brölemann H.W. 1916. Essai de classification des polydesmiens (Myriapodes) // Ann. Soc. ent. France. T.84. P.523–608.
- Carl J. 1917. Spirostreptides nouveaux ou peu connus du Muséum de Genève // Rev. suisse Zool. Vol.25. No.12. P.383–409.
- Carl J. 1941. Diplopoden aus Südindien und Ceylon. 2. Teil: Nematophora und Juliformia // Ibid. Vol.48. P.569–714.
- Cook O.F. 1911. The hothouse millipede as a new genus // Proc. U.S. natn. Mus. Vol.40. P.625–631.
- Demange J.-M. 1961. Matériaux pour servir à une revision des Harpagophoridae // Mém. Mus. natn. Hist. nat., Sér.A (Zool.). T.24. P.1–274.
- Demange J.-M. 1975. Matériaux pour servir à une revision des Harpagophoridae. VII. Caractérisation nouvelle du genre *Phyllogonostreptus* Carl, 1918, description d'une nouvelle espèce indienne du genre et étude morphologique complémentaire du type de *Thyropygus* (?) *negotiosus* Carl, 1942 // Rev. suisse Zool. T.82. Fasc.1. P.157–162.
- Demange J.-M. 1983. Données nouvelles sur la famille des Harpagophoridae (Myriapoda, Diplopoda) // Bull. Mus. natn. Hist. nat., Paris, 4e sér., section A. T.2. P.561–584.
- Enghoff H. 1987. Revision of *Nepalmatouulus* Mauriès 1983 — a southeast Asiatic genus of millipedes (Diplopoda: Julida: Julidae) // Courier Forschungsinstitut Senckenberg. Bd.93. S.241–331.
- Enghoff H. 2001. *Benoitolus flavicollis* Mauriès, 1980, another tropical tramp millipede, and notes on *Pseudospirobolellus avernus* (Butler, 1876) // Ent. monthly Mag. Vol.137. P.167–170.
- Gervais P. 1847. Myriapodes // Walckenaer D.A. & Gervais P. (eds.). Histoire naturelle des Insectes, Aptères 4. Roret, Paris, xvi+333 p.
- Golovatch S.I. 1983a. Contributions to the millipede fauna of Vietnam (Diplopoda). I. Chordeumatida // Acta zool. Acad. Sci. Hung. T.29. P.123–127.
- Golovatch S.I. 1983b. On several new Glomeridae (Diplopoda) from Indochina // Ann. hist.-nat. Mus. natn. Hung. T.75. P.107–116.
- Golovatch S.I. 1983c. [Millipedes (Diplopoda) in the fauna of Vietnam] // V.E. Sokolov (ed.). Fauna i ekologiya zhivotnykh Vietnam (Fauna and animal ecology of Vietnam). Moscow: Nauka Publ. P.178–186 [in Russian].
- Golovatch S.I. 1984. Contribution to the millipede fauna of Vietnam (Diplopoda) II // Acta zool. Hung. T.30. P.53–77.
- Golovatch S.I. 1987. Diplopoda from the Nepal Himalayas. Opisetretidae, additional Polydesmidae and Fuhrmannodesmidae // Courier Forschungsinstitut Senckenberg. Bd.93. S.203–217.
- Golovatch S.I. 2000 (for 1999). On several new or poorly-known Oriental Paradoxosomatidae (Diplopoda, Polydesmida), VII // Arthropoda Selecta. Vol.8. No.4. P.223–228.
- Golovatch S.I. & Enghoff H. 1993. Review of the millipede genus *Tylopus*, with descriptions of new species from Thailand (Diplopoda, Polydesmida, Paradoxosomatidae) // Steenstrupia. Vol.19. P.85–125.
- Golovatch S.I. & Enghoff H. 1994. Review of the dragon millipedes, genus *Desmoxytes* Chamberlin, 1923 (Diplopoda, Polydesmida, Paradoxosomatidae) // Ibid. Vol.20. P.45–71.
- Golovatch S.I. & Korsós Z. 1990. Contributions to the millipede fauna of Vietnam (Diplopoda) III. Spirobolida // Acta zool. Hung. T.36. P.25–36.
- Golovatch S.I., Wytwer J. & Jędrzykowski W. 2003 (for 2002). The millipede *Vaulogerodesmus pictus* (Brölemann, 1916) rediscovered, with a review of this Southeast Asian genus // Arthropoda Selecta. Vol.11. No.4. P.259–264.
- Hoffman R.L. 1962. Studies on spiroboloid millipedes. IV. Systematic and nomenclatorial notes on the family Pachybolidae // Rev. suisse Zool. T.69. P.759–783.
- Hoffman R.L. 1963. A contribution to the knowledge of Asiatic strongylosomoid Diplopoda (Polydesmida: Strongylosomatidae) // Ann. Mag. nat. Hist., Ser.13. Vol.5. P.577–593.
- Hoffman R.L. 1973. Descriptions and allocations of new or poorly known genera and species of Paradoxosomatidae from south-eastern Asia (Diplopoda: Polydesmida) // J. nat. Hist. Vol.7. P.361–389.
- Hoffman R.L. 1975. Studies on spirostreptoid millipedes. XI. A review of some Indonesian genera of the family Harpagophoridae // Ibid. Vol.9. P.121–152.
- Hoffman R.L. 1980 (for 1979). Classification of the Diplopoda. Mus. hist. nat. Genève. 237 p.
- Hoffman R.L. 1981. Studies on spiroboloid millipedes. XIV. Notes on the family Pseudospirobolellidae, and the description of a new genus and species from Thailand // Steenstrupia. Vol.7. P.181–190.
- Hoffman R.L. 1994. Studies on spiroboloid millipedes, XVIII. *Speleostrophus nesiotis*, the first known troglobitic spiroboloid millipede, from Barrow Island, Western Australia (Diplopoda: Pachybolidae: Trigonuliinae) // Myriapodologica. Vol.3. P.19–24.
- Hoffman R.L. & Keeton W.T. 1960. A list of the generic names proposed in the diplopod order Spirobolida, with their type species // Trans. Amer. Ent. Soc. Vol.86. P.1–26.
- Jeekel C.A.W. 1953. Two new Strongylosomidae from Indochina // Beaufortia. Vol.2. No.29. P.1–8.
- Jeekel C.A.W. 1963a. Paradoxosomatidae from Borneo // Tijdschr. Ent. Deel 106. S.205–283.
- Jeekel C.A.W. 1963b. Diplopoda of Guiana (4–5) // Geijskes G.A. & Hummelinck P.W. (eds.). Studies on the fauna of Suriname and other Guyanas. Vol.4. No.11. P.1–157.
- Jeekel C.A.W. 1964a. Two new species of *Pratinus* Attems, with taxonomic notes on the genus and a redescription of its type-species (Diplopoda, Polydesmida) // Beaufortia. Vol.11. P.61–73.
- Jeekel C.A.W. 1964b. A new species of *Orthomorpha* Bollman from Thailand observed in migration, with taxonomic notes on the genus (Diplopoda) // Tijdschr. Ent. Deel 107. S.355–364.
- Jeekel C.A.W. 1968. On the classification and geographical distribution of the family Paradoxosomatidae (Diplopoda, Polydesmida). Rotterdam, privately published. 162 p.
- Jeekel C.A.W. 1980. The generic allocation of some little-known Paradoxosomatidae from South-East Asia (Diplopoda, Polydesmida) // Rev. suisse Zool. T.87. P.651–670.
- Jeekel C.A.W. 2001a. A bibliographic catalogue of the Asiatic Sphaerotheriida (Diplopoda) // Myriapod Memoranda. Vol.3. P.5–38.
- Jeekel C.A.W. 2001b. *Julus lucifugus* Gervais, 1836, a long overlooked name for a wide-spread synanthropic millipede (Diplopoda, Spirobolida, Spirobolellidae) // Ibid. Vol.3. P.39–43.
- Jeekel C.A.W. 2001c. A bibliographic catalogue of the Siphonophorida (Diplopoda) // Ibid. Vol.3. P.44–71.
- Jeekel C.A.W. 2002. A bibliographic catalogue of the Spirobolida of the Oriental and Australian regions (Diplopoda) // Ibid. Vol.4. P.5–104.
- Korsós Z. & Golovatch S.I. 1989. Addenda to the millipede fauna of Vietnam (Diplopoda) // Acta zool. Hung. T.35. P.211–220.
- Mauriès J.-P. 1977. Le genre *Glyphiulus* Gervais, 1847, et sa place

- dans la classification des cambalides, à propos de la description d'une nouvelle espèce du Viêt-Nam (Diplopoda, Iulida, Cambalidea) // Bull. Mus. natn. Hist. nat., Paris, 3<sup>e</sup> sér. No.431, Zool. No.301. P.243–250.
- Mauriès J.-P. 2001. Sur l'identité de *Zephronia hainani* Gressitt, 1941, à propos de la description d'un nouveau *Prionobelum* (Diplopoda, Sphaerotheriida, Sphaeropoidea) de Haïnan, Chine // Zoosystema. T.23. Fasc.1. P.131–142.
- Mauriès J.-P. & Enghoff H. 1990. A new genus of cambaloid millipedes from Vietnam (Diplopoda: Spirostreptida: Cambalopsidae) // Ent. scand. Vol.21. P.91–96.
- Mauriès J.-P., Golovatch S.I. & Hoffman R.L. 2001. On type material and the identity of several *Iulus* species described by Paul Gervais, in the collection of the Muséum national d'Histoire naturelle in Paris (Diplopoda, Spirostreptida, Spirobolida) // Zoosystema. T.23. Fasc.3. P.579–589.
- Nguyen Duy-Jacquemin M. & Condé B. 1967. Morphologie et géonémie du genre *Monographis* Attems // Mitt. Hamburg. Zool. Mus. Inst. Bd.64. P.43–81.
- Nguyen Duy-Jacquemin M. & Condé B. 1982. Lophoproctidés insulaires de l'océan Pacifique (Diplopedes Pénicillates) // Bull. Mus. natn. Hist. nat. Paris, 4<sup>e</sup> Série. T.4A. Fasc.1–2. P.95–118.
- Pocock R.I. 1893. Viaggio di Leonardo Fea in Birmania e regioni vicine. LV. On the Myriopoda of Burma // Ann. Mus. Civ. Stor. nat. Genova, Ser.2. T.13. P.386–406.
- Pocock R.I. 1895. Descriptions of new genera of Zephroniidae, with brief preliminary diagnoses of some new species // Ann. Mag. nat. Hist., Ser.6. Vol.16. P.409–415.
- Shear W.A. 2000. A new genus and species of callipodidan millipede from Vietnam (Callipodida, Schizopetalidae) // Myriapodologica. Vol.6. P.95–100.
- Shear W.A. 2002. The millipede genus *Metopidiotrichis* Attems (Diplopoda: Chordeumatida: Metopidiotrichidae) // Invertebrate Taxonomy. Vol.16. P.849–892.
- Shear W.A., Shelley R.M. & Heatwole H. 2003. Occurrence of the millipede *Sinocallipus simplipodicus* Zhang, 1993 in Laos, with reviews of the Southeast Asian and global callipodidan families, and remarks on the phylogenetic position of the order (Callipodida: Sinocallipodoidea: Sanicallipodidae) // Zootaxa. No.365. P.1–20.
- Shelley R.M. 2003 (for 2002). A revised, annotated, family-level classification of the Diplopoda // Arthropoda Selecta. Vol.11. No.3. P.187–207.
- Shelley R.M. & Lehtinen P.T. 1998. Introduced millipedes of the family Paradoxosomatidae on Pacific islands (Diplopoda: Polydesmida) // Ibid. Vol.7. No.1. P.81–94.
- Shelley R.M. & Lehtinen P.T. 1999. Diagnoses, synonymies and occurrences of the pantropical millipedes, *Leptogoniulus sorornus* (Butler) and *Trigoniulus corallinus* (Gervais) (Spirobolida: Pachybolidae: Trigoniulinae) // J. nat. Hist. Vol.33. P.1379–1401.
- Shelley R.M., Sierwald P., Kiser S.B. & Golovatch S.I. 2000. Nomenclator generum et familiarum diplopodorum II. A list of the genus and family-group names in the class Diplopoda from 1958 through 1999. Sofia & Moscow: Pensoft. 167 p.
- Silvestri F. 1910a. Descrizione di una nuova famiglia di Diplopoda Cambaloidea del Tonchino // Boll. Lab. Zool. gen. agr. R. Scuola Sup. Agric. Portici. T.4. P.67–70.
- Silvestri F. 1910b. Descrizioni preliminari di novi generi di diplopodi // Zool. Anz. Bd.35. S.357–364.
- Silvestri F. 1917. Contributions to a knowledge of the Oriental Diplopoda Oniscomorpha, Part 1 // Rec. Ind. Mus. Vol.13. Part 3. P.105–152.
- Silvestri F. 1923. Descriptions of some Indian and Malayan Myriapoda Cambaloidea // Ibid. Vol.25. Part 2. P.181–193.
- Verhoeff K.W. 1915. Zur Kenntnis der Plesiocerata (Über Diplopoda, 82. Aufsatz) // Zool. Anz. Bd.46. S.16–48.
- Verhoeff K.W. 1920. Chilognathen-Studien (91. Diplopoden-Aufsatz) // Arch. Naturg. Jg.86A. H.12. S.23–80.
- Verhoeff K.W. 1924. Results of Dr. E. Mjöberg's Swedish Scientific Expeditions to Australia 1910–1913 34. Myriapoda: Diplopoda // Ark. Zool. Bd.16. No.5. P.1–142.
- Verhoeff K.W. 1938. Über Diplopoden des Zoologischen Museums in München // Zool. Jahrb., Syst. Bd.71. S.1–54.
- Verhoeff K.W. 1939. Zur Kenntnis ostasiatischer Diplopoden. III // Zool. Anz. Bd.127. S.113–125.