

## CHECKLIST OF THE MILLIPEDES (DIPLOPODA) OF TANZANIA

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### ABSTRACT

A checklist of millipedes (Diplopoda) known to occur in Tanzania is given. Based on all available literature and abundant hitherto unpublished material, 296 species of millipedes are recorded, including seven species never before recorded from the country, viz., *Helicochetus digitarsus* Kraus, 1957, *Helicochetus gregorii* (Pocock, 1896), *Geotypodon intermedius* (Carl, 1909), *Plethocrossus nairobius* Attems, 1914, *Lophostreptus bicolor* Carl, 1909, *Oreiadessa diana* Hoffman, 1990, and *Chondromorpha xanthotricha* (Attems, 1898). Eight species erroneously recorded from Tanzania are excluded from the list. A few records from Kenya and Uganda are also given, including the first record of *Otostreptus gilvitaris* (Attems, 1914) from Kenya. A historical account of millipede collecting in Tanzania is included.

**Keywords:** species, endemism, collecting

### INTRODUCTION

Many people are not familiar with millipedes and simply see these invertebrates as undesirable “bugs”. However, these many-legged animals are not insects (which have three pairs of legs and three more or less clearly defined body regions), and thus are not formally included in the science of entomology, the study of insects. Rather, the study of millipedes is formally called “diplopodology”, or if one includes centipedes as well, myriapodology.

Although millipedes play a role in ecology as detritus feeders, and in the relative absence of earthworms in some places in East Africa (KMH, pers. obs.) may play an important role in soil formation, they are often simply overlooked, and certainly are understudied. Thus, it is not surprising that there are few millipede specialists in the world. Millipede taxonomy is a specialised

science in itself, and for the most part taxonomists are only able to identify males, whose modified 8–9<sup>th</sup> pairs of legs, termed gonopods, are modified to transfer sperm to the females. These gonopods form uniquely complex structures that are the basis for naming many groups of millipedes.

It will be understood by most readers with a natural history background that the problems facing anyone wishing to name a millipede are many. Any field biologist is dependent on a museum-based specialist who is able to study the gonopods (assuming the field biologist has provided a male specimen) under a microscope and attach a name to the animal. Millipede taxonomy is still very much in its early stages, specialists have not yet discovered infallible means of identifying female specimens to species level, and the classification of entire genera and families is full of uncertainty.

It is thus not surprising that the collection of millipedes has been largely conducted by non-specialists, often entomologists but also many other naturalists with different interests. One of us (RLH) has spent much of his life in the museums of Europe, attempting to match slides of gonopods with specimens, sometimes collected hundreds of years ago. HE has for 45 years conducted field research in Europe, Asia and Africa. KMH has spent about 50 years in Tanzania, studying the ecology and distribution of vertebrates, but also collecting millipedes and encouraging other biologists to do the same.

The only existing checklist of Tanzanian millipedes is that of Nyundu & Abdullah (2012) which contains 53 species. Hoffman (2009) knew 227 named species which he regarded as being less than half of the number of species known from unpublished material to occur in Tanzania. The present checklist contains 296 named species, so if Hoffman's prediction comes close to the truth, there is still a very long way to go. Notably, there is a strong under-representation of small to minute (a few mm) species which are best collected by such methods as sifting or Berlese or Winkler extraction. The known Tanzanian species belong to six of the 16 currently recognized orders. Subspecies have been described for several of the species; these are not distinguished here (cf. Jorgensen *et al.*, 2012) but are included collectively in the species accounts.

We have retrieved information from the literature and have supplemented this with a considerable number of unpublished records, mainly based on material identified by HE and RLH.

Work on the present checklist was initiated by KMH and the late Richard L. Hoffman (1927–2012). Richard Hoffman devoted a very big share of his enormous productivity to Tanzanian millipedes and described numerous species, not only in his weighty monographs of the endemic Afrotropical families Oxydesmidae (Hoffman 1990) and Gomphodesmidae (Hoffman 2005a), but also in very many (relatively) short papers dealing with many different families, as is very evident from the list of references for the present paper. See Roble & Mitchell (2009, 2012) for accounts of Richard Hoffman's life and achievements.

## MATERIAL AND METHODS

The individual species accounts as far as possible follow the same format:

- **Valid name** followed by “(E)” for species currently regarded as endemic to Tanzania
- *Original combination*
- *First use of current combination*
- *Synonyms used in literature relevant to Tanzania*
- Tanzanian records
- New material

- Other records (for species also known from other countries than Tanzania)
- Notes.

A distinction is made between valid names, original names or synonyms, which are cited as recommended by the International Code of Zoological Nomenclature (<http://iczn.org/iczn/index.jsp>), e.g., *Odontopyge urbicola* Carl, 1909, and *Prionopetalum urbicolium* (Carl, 1909), and citations of names by subsequent authors, e.g., *Prionopetalum urbicolium*: Kraus (1958a) which means that Kraus (1958a) used this name for the species in question.

Rather than citing original spellings of localities, we have attempted to bring locality information up to today's standards, including placing each locality in the appropriate region and district. Ideally, each record follows the format:

MM Region, NN Distr., PP Mts (where applicable), <locality name>, <georeference in the form 01°01'01"S, 01°01'01"E>, <habitat, e.g. "montane forest">, <altitude>, <locality qualifier, e.g. "25 km N Iringa">.

A concrete example:

Iringa Region, Iringa Distr., Udzungwa Mts, New Dabaga/Ulangambi FR, 08°00'26.6"S, 35°56'06.1"E, montane forest, 1910 m

We have not consistently included region and district names for the two islands Pemba (which includes two regions, Pemba North and Pemba South) and Zanzibar (which includes three regions, Unguja North, Unguja South and Central, and Unguja Town and West).

However, in many cases it has not been possible to interpret a locality name according to these standards, and many locality names remain uncertain. This applies, for example, to the locality "Zanzibar" because "it may be recalled that the kingdom [actually: sultanate] of Zanzibar at one time included the coast region of both Kenya and Tanzania as well as the island itself, and early collection labels often did not make the distinction" (Hoffman, 1990, p. 189).

In those cases where standardisation has not at all been possible, the original text is given between quotation marks, e.g. "Tanganyika". In some cases, we have added outdated or erroneous spellings in parentheses and quotes, in order to avoid confusion, e.g.,

.... Luhega ("Lubega") Forest

We have not transformed altitudes in feet and distances in miles to meters and kilometers.

New records from Tanzania (and a few from Kenya and Uganda) of known species are given if they add significantly to knowledge about the species. We thus do not give records on species from sites from where there are already published records. Where nothing else is indicated, the newly recorded specimens in VMNH were identified by RLH, specimens in ZMUC by HE. The VMNH specimens were recorded by HE during a visit to that museum in January, 2013.

*Helicochetus digitatus*, *Helicochetus gregorii*, *Geotypodon intermedius*, *Plethocrossus nairobius*, *Lophostreptus bicolor*, *Oreiadessa diana* and *Chondromorpha xanthotricha* are recorded from Tanzania for the first time. *Otostreptus gilvitaris* is recorded from Kenya for the first time.

#### Abbreviations used in the text

Distr. - district

FR - forest reserve

TL – type locality

VMNH – Virginia Museum of Natural History, Martinsville

ZMUC – Natural History Museum of Denmark (Zoological Museum), University of Copenhagen

## HISTORY OF MILLIPEDE COLLECTING IN TANZANIA

For convenience, we have followed Schabel (2006) in temporally apportioning the time periods in which collectors worked as follows:

### **Pre-Colonial Period (Before 1891)**

In Tanzania, the first scientific explorations that included arthropods were those of Baron Carl Claus von der Decken in 1862 and 1865. The same author, with the arthropod collector Dr. O. Kersten, carried out expeditions in the Mt. Kilimanjaro area, these pioneered the exploration of the mountain (Decken, 1869/71). C. Cooke, in 1864, collected in Zanzibar, and G.A. Fisher in 1877, 1878, 1882 and 1883 travelled through that portion of Tanzania known as “Maasailand”. Some of the millipede specimens they collected were described by Gerstaecker (1873). Other expeditions included those of H.H. Johnson, G. Volkens and Dr. H. Meyer to Kilimanjaro. Other significant contributors of invertebrate specimens during this time were J.M. Hildebrandt, von Kalkreuth, Böhme, P. Reichard, Kaiser, Baumann, A. Le Roy, von Höhnel, von Wissmann, Emin Pasha, F. Stuhlmann, O. Neumann, C.W. Schmid, Pachinger, Braun, M.G. Revoil and N. Voeltzkow. These men collected in various regions (see Harold (1878), Peters (1878), Waterhouse (1885), Fairmaire (1887) and Möbius (1898) for details of their collecting localities).

Most specimens collected by these early collectors were housed in museums in Berlin, Vienna, London and Brussels (see Volkens (1897) for details).

### **German Colonial Period (1891–1919)**

The first entomologist to reside in Tanzania (see Anon. (1931, 1947) and Lindner (1934)) was Prof. Dr. Julius Vosseler. He was the resident zoologist at Amani from 1902–1908, a site in the E. Usambara Mountains chosen in 1902 as that of the Imperial Biological Agricultural Experiment Station.

This period includes occasional scientific expeditions: the Swedish Zoological Expedition led by Yngve Sjöstedt (1905–1906), to Mt. Kilimanjaro and neighbouring Maasailand (Sjöstedt, 1909). Möbius (1898) listed 24 collectors who returned from this expedition with large numbers of specimens. W. Janensch, a paleozoologist, during 1909–1911 conducted work at Tendaguru, the famous dinosaur site, in Lindi Region, but also collected millipedes and made a substantial entomological collection (Maier, 2003). Hoffman (2005) recorded that Dr. Obst in 1911 collected specimens.

### **British Colonial Period (1919–1961)**

A British administration was present in Tanganyika after WWI, and under a League of Nations mandate, Tanganyika became a protectorate. The Alluaud and Jeannel Expedition of 1920 to East Africa added to our knowledge of millipedes. The following names are listed by Hoffman (2005) as collectors during this time: V.W. Harris, (1941, Uluguru Mts), and P. Manfredi (south eastern Tanzania, Lindi Region). Pierre Basilewsky and N. Leleup collected in the Uluguru Mts in 1957 (Leleup, 1965). The

famous herpetologist and collector Arthur Loveridge also collected millipedes on several expeditions to East Africa, and he visited many localities in Tanzania. His collections were detailed by Lawrence (1953) who noted that Loveridge collected millipedes in Tanzania on several of his expeditions: 1915–1919. "German East Africa" and Mozambique. – 1920–1923. Kenya Colony and Tanganyika Territory. – 1926–1927. Chiefly the Uluguru and Usambara Mountains, Tanganyika. – 1929–1930. Tanganyika Territory; Northern Rhodesia and Uganda. The same author noted that there were long delays in the identification of this myriapod material collected in the 1920s. The Entomologist Emeritus at the California Academy of Sciences, E.S. Ross and colleague M.E. Irwin (note that Hoffman (2005) apparently mistakenly spelled this name in some cases as Erwin) collected millipedes in Tanzania on a trip across the African continent in 1957.

#### **Post Independence (1961–1991)**

E.S. Ross continued to make collecting expeditions in Africa, and with his colleague R.E. Leech collected millipedes in Tanzania on a trip to the Hanang area of northern Tanzania in 1970.

An especially outstanding collector during this period was the late Jan Kielland, a lepidopterist who developed a technique of papering and drying millipedes in the field. Kielland's colleague T.C.E. Congdon collected millipedes from many of the more isolated and remote forests of Tanzania. For more information on Kielland and his collecting localities, see Kielland (1990) and Congdon & Collins (1998).

Botanists J.B. Hall, Jon Lovett and the late Leonard Mwasumbi all collected millipedes, mostly from isolated forests.

A number of zoologists based in Denmark have collected millipedes in Tanzania, including Mogens Andersen, Henrik and Inge Enghoff, Nikolaj Scharff, and Michael Stoltze; the last two in particular have contributed millipedes from many forest localities, especially but not only from the Eastern Arc Mountains.

Simon Stuart, who was carrying out studies on birds, contributed many specimens of millipedes from the forests of Tanzania. Jonathan Kingdon, renowned artist and zoologist, collected millipedes from the coastal forests of Tanzania. Clive Elliott, contributed millipedes from northern Tanzania.

Colleagues of KMH at the University of Dar es Salaam, including Kathy Homewood, David Capitt, Charles Msuya, Fatina Mturi, the late William Alan Rodgers and Henry Sewell, often brought back material from the field.

Private individuals based in Tanzania or working there have also collected millipedes that were new to science and/or of biogeographic importance, including Victoria Baker, Tim Fison, Ruth Fison (mostly Mtwara Region), Gary Kukowski, (Mwanza), Rollin Johnson (Mikumi), and Dietmars Emmrich (Morogoro area and the Uluguru Mts). Sherwood Smith collected in the Nzega area, Stephanie and Linzey Tyler near Katavi and J. Simkin in the Eastern Arc Mountains.

Dr. James Moore, a California-based primatologist, collected millipedes in Uvinza in western Tanzania.

Hoffman (1990) utilised specimens collected in Tanzania and further afield to produce a revision of the family Oxydesmidae.

There has long been a history of undergraduate expeditions from the UK conducting fieldwork in Tanzania, and members of the Cambridge Expedition (1990) collected millipedes.

Frontier Tanzania, a research collaboration effort between the Society for Environmental Exploration (UK) and the University of Dar es Salaam have contributed greatly to the collecting of millipedes, especially from coastal forests, in Tanzania.

**Post-Rio (after 1992)**

Following the Rio Earth Summit in 1992 and the signing of the Convention on Biological Diversity, Hoffman consolidated knowledge and published monographs based on previous collections. He thus published biogeographic studies on Tanzanian millipedes (Hoffman, 1993, 2000) and he used material collected in Tanzania to produce a monograph of the family Gomphodesmidae (Hoffman, 2005).

Ecological fieldwork and collecting has continued in Tanzania. The Mkomazi Invertebrate Diversity Project of November 1994 provided a series of millipede specimens. For details regarding Mkomazi, see Coe *et al.* (1999). Frontier Tanzania has continued their collecting activities (*e.g.* Frontier Tanzania, 2001a, b).

Sara Frederiksen, based in Copenhagen, began collecting millipedes in Tanzania in 2011, and she and HE have published several papers mainly on Odontopygidae (Frederiksen, 2013a, b; Frederiksen & Enghoff, 2012, 2015; Enghoff & Frederiksen accepted; Enghoff, 2011, 2014, 2016). A Tanzanian-based non-governmental organization, the Tanzania Forest Conservation Group, TFCG, has also provided material from the Eastern Arc forests.

**CHECKLIST****POLYXENIDA**

See Nguyen Duy-Jacquemin & Geoffroy (2003) for a recent review of this order.

**Polyxenidae*****Pauropsxenus* Silvestri, 1948*****Pauropsxenus brachyartema* (Brolemann, 1920)**

*Ankistroxenus brachyartema* Brolemann, 1920

*Pauropsxenus brachyartema*: Marquet & Condé (1950)

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro on SE slope of Mawenzi peak; Kilimanjaro Region, Moshi; Tanga Region, Mkulumuzi caves (Brolemann, 1920).

Other records: A subspecies of *P. brachyartema* was described from MADAGASCAR by Marquet & Condé (1950), and a different subspecies was described from UGANDA (Mt. Ruwenzori) by Jacquemin-Nguyen Duy & Condé (1965).

Notes: It is uncertain which of the sites of Brolemann (1920) is the TL.

**SPHAEROTHERIIDA**

See Wesener & VandenSpiegel (2009) for a recent review of this order.

**Arthrosphaeridae*****Arthrosphaera* Pocock, 1895*****Arthrosphaera* cf. *brandtii* (Humbert, 1865)**

Figure 1A, 1B.

*Sphaeropoetus brandtii* Humbert, 1965

*Arthrosphaera brandtii*: Pocock (1899)

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Amani (Enghoff, 1977b).

Other records: SRI LANKA: S India (Jeekel, 2001).

New material: several specimens, Tanga Region, Muheza Distr., E Usambara Mts, Amani nature reserve, 05°05'50.7"S, 38°37'30.9"E, 997 m, 25.v.2011, S. Frederiksen *leg.* (ZMUC).

Notes: Presumably introduced. First collected in 1970, still present in 2011.



Figure 1. Representative Tanzanian millipedes, orders Sphaerotheriida (A-B) and Polydesmida (C-E). A. *Arthrosphaera* cf. *brandti*, East Usambara Mts, watercolour by I.B. Enghoff. B. *A.* cf. *brandti*, specimen from pet trade, photograph by Nicholas Palm. C. Unidentified species of Gomphodesmidae, Udzungwa Mts National Park, photograph by David Koon-Bong Cheung. D. Unidentified species of Oxydesmidae with heavy mite attack, Udzungwa Mts National Park, photograph by David Koon-Bong Cheung. E. *Lyodesmus* sp., Udzungwa Mts National Park, photograph by David Koon-Bong Cheung.

**STEMMIULIDA****Stemmiulidae**

The African stemmiulids were reviewed by Mauriès (1989).

***Stemmiulus* Gervais, 1844*****Stemmiulus albicephalus* Mauriès, 1989 (E)**

Tanzania records: Morogoro Region, Morogoro Rural Distr., Uluguru Mts, Lupanga East (TL); dubiously from Morogoro Region, Morogoro Rural Distr., Uluguru Mts, Lukwangule plateau (Mauriès, 1989).

***Stemmiulus howelli* Mauriès, 1989 (E)**

Tanzanian records: Tanga Region, Lushoto Distr., W Usambara Mts, Baga II FR (TL).

***Stemmiulus sjoestedti* (Attems, 1909) (E)**

*Diopsiulus sjoestedti* Attems, 1909

*Nethoiulus sjoestedti*: Brolemann (1920)

*Stemmiulus sjoestedti*: Mauriès (1989)

Tanzanian records: Arusha Region, Mt. Meru, rain forest; Kilimanjaro Region, Mt. Kilimanjaro, Kibosho (“Kiboseho”) (Attems, 1909, selection of one of these sites as TL requires designation of a lectotype); Kilimanjaro Region, Mt. Kilimanjaro, above Marangu (Brolemann, 1920).

***Stemmiulus spinogonus* Mauriès, 1989 (E)**

Tanzania records: Pwani Region, Kisarawe Distr., Pugu FR (TL).

***Stemmiulus uluguruensis* Mauriès, 1989 (E)**

Tanzania records: Morogoro Region, Morogoro Rural Distr., Uluguru Mts, Lupanga West (TL).

***Stemmiulus usambaranus* Mauriès, 1989 (E)**

Tanzania records: Tanga Region, Lushoto Distr., W Usambara Mts, Mazumbai (TL).

**SPIROBOLIDA****Pachybolidae**

The Tanzanian fauna of this family (which is here taken as including the Trigoniulidae, cf. Shear, 2011) was revised by Enghoff (2011).

***Brachyspirobolus* Carl, 1914*****Brachyspirobolus domesticus* (Carl, 1909) (E)**

*Microspirobolus domesticus* Carl, 1909

*Brachyspirobolus domesticus*: Carl (1914)

Tanzanian records: Kagera Region, Bukoba Distr., Bukoba (TL).

***Crurifarcimen* Enghoff, 2011*****Crurifarcimen vagans* Enghoff, 2011 (E)**

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Amani (TL), Nilo FR, Magrotto Estate; Tanga Region, Lushoto Distr., W Usambara Mts, Mazumbai, Mahezangulu FR, Balangai FR; Tanga Region, Korogwe Distr., W Usambara Mts, Ambangulu FR.

This large robust, particularly sausage-like millipede is one of the “top ten species” described in 2011 (see <http://www.esf.edu/top10/2012/08.htm>).

***Dactylobolus* Golovatch & Korsós, 1992*****Dactylobolus bivirgatus* (Karsch, 1881)**

*Spirobolus bivirgatus* Karsch, 1881



*Mystalides bivirgatus*: Attems (1910)

*Dactylobolus bivirgatus*: Golovatch & Korsós (1992)

Tanzanian records: Pemba, Fundu Isl. (Attems, 1910).

Other records: COMOROS: Anjoan and MADAGASCAR (TL); COMOROS (Attems, 1910; VandenSpiegel & Golovatch, 2007); SEYCHELLES: (Spaull, 1976; Golovatch & Korsós, 1992).

***Epibolus* Cook, 1897b**

***Epibolus pulchripes* (Gerstaecker, 1873)**

Figure 2A.

*Spirobolus pulchripes* Gerstaecker, 1873

*Spirobolus proporus* Attems, 1896

*Metiche bravensis* (Silvestri, 1897): Attems (1909)

*Metiche attemsi* Kraus, 1958a

*Metiche tanganyikense* Kraus, 1958a

*Epibolus pulchripes*: Cook (1897b)

Tanzanian records: Zanzibar (TL), Pemba I., northern half of coastal part; Tanga Region, Usambara Mts (Enghoff, 1977a).

Other records: SOMALIA, KENYA, MOZAMBIQUE (Enghoff, 2011).

New material: numerous samples, mostly from the Pwani Region of Tanzania (VMNH); several specimens, Pwani Region, Rufiji Distr., Mafia Island, Kilindoni Forest, 7°55'S, 39°44'E, xi.1990, Frontier Tanzania *leg.* (VMNH); 2 specimens, Iringa Region, at Lukare River along Iringa-Mikumi Road, iv.1984, T.C.E. Congdon *leg.*, HE det. (VMNH); 1 M, Iringa Region, Udzungwa National Park, 6.xii.1995 (VMNH); 1 M, (KMH 3509, 3510), Iringa Region, Ruaha Gorge (261 km from Ngwazi), 17.vi.1986, K.M. Howell *leg.* (VMNH); 1 M, Morogoro Region, Kilombero Distr., Udzungwa Mts, Mwanihana FR, Sanje River valley, 3–4000 ft, 23–25.ii.1980. K.H. Bulstrode & W.A. Rodgers *leg.*, HE det. (VMNH); 2 specimens, Pwani Region, Rufiji Distr., Selous Game Reserve, 26.v.1978, K.M. Howell *leg.*, HE det. (VMNH).

Notes: A common widespread species which is also popular as a terrarium pet. The specific new records above represent range extensions compared to the map in Enghoff (1977a), *cf.* also Enghoff (2011).

***Hyperbolus* Enghoff, 2011**

***Hyperbolus apicomplexus* Enghoff, 2011**

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Amani (TL), Kwamgumi FR, Manga FR, Tongwe FR; Tanga Region, Handeni Distr., Handeni Hill FR; Morogoro Region, Movmero Distr., Nguru Mts, Divu River Gorge; Pwani Region, Rufiji Distr., Mchungu FR; Dodoma Region, Mpwapwa Distr., Rubeho Mts; (Enghoff, 2011)

Other records: UGANDA: Mt. Elgon (Enghoff 2011).

New material: 1 F, Morogoro Region, Morogoro Distr., Kanga Mt., NW of Lusonge, 1000 m, 25.xi.1984, J. Kielland *leg.*, HE det. (VMNH).

***Hyperbolus morogoroensis* (Kraus, 1958) (E)**

*Pachybolus morogoroensis* Kraus, 1958a

*Hyperbolus morogoroensis*: Enghoff (2011)

Tanzanian records: Morogoro Region, Morogoro Distr., Uluguru Mts, between Kimboza and Kibungu (TL); Morogoro Region, Morogoro Distr., Uluguru Mts, Kasanga FR, Mkungwe FR, Ruvu FR, Ngambula FR, Chamanyani FR, Vituri, Kikosi near Bagilo, Uluguru S FR, Kimboza Forest (Enghoff, 2011).



Figure 2. Representative Tanzanian millipedes, orders Spirobolida (A) and Spirostreptida (B). A. *Epibolus pulchripes*, specimen from pet trade, photograph by Nicholas Palm. B. *Macrolenostreptus brachycerus*, specimen from pet trade, photograph by Anders Illum.

***Pachybolus* Cook, 1897b**

***Pachybolus tectus* Cook, 1897b (E)**

Tanzania records: Zanzibar (TL).

Note: never recorded since its original description.

***Parabolus* Enghoff, 2011**

***Parabolus dimorphus* (Carl, 1909) (E)**

*Trigoniulus dimorphus* Carl, 1909

*Pachybolus dimorphus*: Hoffman (1962)

*Parabolus dimorphus*: Enghoff (2011)

Tanzanian records: Dar es Salaam (TL).

New material: 1 F, 1 juv., TOPOTYPES, Dar es Salaam Region, Dar es Salaam City, Ilala distr., Botanical Garden, under log, 2.vii.1980, M. Stoltze & N. Scharff leg. (ZMUC).

***Trigoniulus corallinus* (Gervais, 1842)***Iulus corallinus* Gervais, 1842*Spiroboles lumbricinus* Gerstaecker, 1873*Trigoniulus corallinus*: Hoffman (1994)Tanzanian records: “Sansibar-Küste” (TL of *Spiroboles lumbricinus*) (see comment on the locality “Zanzibar” in the Material and Methods chapter).Other records: MAURITIUS (TL). A widespread synanthropic species which has been recorded from numerous localities in continental and insular Asia, South America, as well as islands the Pacific and Indian Oceans and the Caribbean. (Shelley & Lehtinen, 1999). Gerstaecker's seems to be the only record of *T. corallinus* from Africa, however.**Pseudospirobolidae*****Pseudospirobolellus* Carl, 1912*****Pseudospirobolellus avernus* (Butler, 1876)***Spirostreptus avernus* Butler, 1876*Pseudospirobolellus avernus*: Hoffman (1981)

Tanzanian records: Zanzibar (Enghoff, 2001)

Material: The record from Zanzibar was based on several specimens from Zanzibar City, Botanical Garden, compost heap, 11.vi.1979, M. Stoltze *leg.* (ZMUC), and 1 M, 4 F from Jozani Forest, 18.vi.1979, M. Stoltze *leg.* (ZMUC).

Other records: A subcosmotropical species, without doubt widely dispersed through anthropochory (Hoffman, 1981; Enghoff, 2001).

**SPIROSTREPTIDA****Harpagophoridae*****Apoctenophora* Hoffman & Howell, 1982**

This genus was revised by VandenSpiegel &amp; Hoffman (2001).

***Apoctenophora astricta* (Karsch, 1881) (E)***Spirostreptus astrictus* Karsch, 1881*Apoctenophora astricta*: Hoffman (1996)

Tanzanian records: Zanzibar (TL).

Notes: a dubious species, even the type locality is dubious (VandenSpiegel &amp; Hoffman, 2001)

***Apoctenophora enghoffi* (Demange, 1983) (E)***Harpagophora enghoffi* Demange, 1983*Apoctenophora enghoffi*: Hoffman (1996)

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Sigi River, 500 m (TL); Tanga Region, Muheza Distr., Semdoe FR, Kwangumi FR; Tanga Region, Muheza Distr., Amani East FR., Magrotto FR (VandenSpiegel &amp; Hoffman, 2001).

New material: 3 specimens, Tanga Region, Muheza Distr., Mtai FR, 850 m, u. rotting bark, 9.viii.1990, N. Cordeiro & S. Akker *leg.* (VMNH).***Apoctenophora trachypyga* Hoffman & Howell, 1982 (E)***Harpagophora enghoffi altisilvestris* Demange, 1983Tanzanian records: Tanga Region, Lushoto Distr., W Usambara Mts, Mazumbai Estate (TL); Tanga Region, Lushoto Distr., W Usambara Mts, 1600 m (holotype of *H. enghoffi altisilvestris*); Tanga Region, Muheza Distr., E Usambara Mts, Amani, 1000 m, Monga (paratypes of *H. enghoffi altisilvestris*).

New material: numerous specimens, Tanga Region, Muheza Distr., Nilo FR, 1050–1240 m, 2000–2001, Frontier Tanzania *leg.* (ZMUC)

Notes: The paratypes of *H. enghoffi altisilvestris* from E Usambara differ somewhat from W Usambaran specimens (compare figs 21 and 23 in Demange, 1983) and may represent an undescribed species.

***Zinophora* Chamberlin, 1927**

***Zinophora knipper* (Kraus, 1958) (E)**

*Philoporatia knipper* Kraus, 1958a

*Zinophora knipper*: Demange (1983)

Tanzanian records: Iringa Region, Mufindi Distr., Mufindi (TL).

New material: 1 M Rukwa Region, Sumbawanga Distr., Mbisi Forest NE Sumbawanga, 3.xii.1981, D. Moyer *leg.* (VMNH).

***Zinophora taromberai* Redman, 2010**

Tanzanian records: Lindi Region, Rondo Plateau, 800 m; Ruvuma Region, Tunduru Distr., Matemanga, near Tunduru (Redman *et al.*, 2010).

New material: 1 M, Mbeya Region, Mufindi Distr., Ndembera River near Mafinga. 8°15'S, 35°10'E, 2.xii.1982, C. Congdon *leg.*, HE det. (VMNH).

Other records: ZIMBABWE: Mashonaland West, Ngezi Game Park near Kadoma, 18.686673°S, 30.412311°E (TL); Mt. Darwin North/NE; Mashonaland West: Raffingora, 20 km from Chinoyi; Chegutu, Chinoyi Road, 15 km from Chegutu, *Bachinia* woodland; Mutereze Honde Valley (Redman *et al.*, 2010).

**Odontopygidae**

Odontopygidae is here understood in the sense of Hoffman (1991).

***Allantogonus* Attems, 1912**

***Allantogonus vermicularis* (Carl, 1909)**

*Odontopyge vermicularis* Carl, 1909

*Allantogonus vermicularis*: Attems (1912a)

Tanzanian records: Kagera Region, Biaramuli (Ost-Ussuwi) (probably Biharamulo Distr.) (TL, Carl 1909).

Other records: RWANDA: SE coast of Lake Kivu; Rugege Forest SW Rwanda (Attems, 1912a).

Notes: Kraus (1960) doubted if the specimens recorded by Attems (1912a) are conspecific with Carl's species.

***Aquattuor* Frederiksen, 2013**

***Aquattuor claudiahempae* Enghoff & Frederiksen, 2015**

Tanzanian records: Kilimanjaro Region, Hai Distr., Mt. Kilimanjaro, 03°16'07.05"S, 37°18'28.68"E, 1169 m (TL); Hai Distr., several other plots on Mt. Kilimanjaro; Kilimanjaro Region, Rombo Distr., 03°17'57.57"S, 37°36'58.59"E, grassland, 1303 m (Enghoff & Frederiksen, 2015).

***Aquattuor denticulatus* Frederiksen, 2013b (E)**

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Amani, 500–1000 m (TL).

***Aquattuor longipala* Enghoff, 2015**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, West Kilombero Scarp FR, 07°50'38.4"S, 36°22'17.6" E, montane forest, 1390–1410 m (TL).

***Aquattuor major* Enghoff, 2015**

Tanzanian records: Morogoro Region, Udzungwa Mts, Mwanihana FR, 1800–1850 m, montane rain forest (TL)

***Aquattuor stereosathe* Enghoff, 2015**

Tanzanian records: Iringa Region, Udzungwa Mts, Udzungwa Scarp FR, above Chita village, 1050–1500 m (TL); Iringa Region, Udzungwa Mts, Udzungwa Scarp FR, Luhega Forest, 08°23'S, 35°59'E, 900 m (Enghoff & Frederiksen, 2015).

***Aquattuor submajor* Enghoff, 2015**

Tanzanian records: Morogoro Region, Udzungwa Mts, Mwanihana FR, above Sanje, 1000–1250 m (TL).

***Aquattuor udzungwensis* Enghoff, 2015**

Tanzanian records: Iringa Region, Udzungwa Mts, Udzungwa Scarp FR, above Chita village, 750 m, lowland rain forest (TL); Iringa Region, Iringa Distr., Udzungwa Mts, West Kilombero Scarp FR, montane forest, 1100–1410 m (Enghoff & Frederiksen, 2015).

***Callistodontopyge* Hoffman & Howell, 1981*****Callistodontopyge latifolia* (Attems, 1914)**

*Haplothysanus latifolius* Attems, 1914a

*Callistodontopyge decora* Hoffman & Howell, 1981a

*Callistodontopyge latifolia decora*: Hoffman (2002)

Tanzanian records: Pwani Region, Bagamoyo Distr., Cooper's well near village of Pongwe (ca 6°18'S, 38°14'E) 10 km W of Msata (TL of *C. decora*); Tanga Region, Tanga Distr., Tanga, (Hoffman & Howell, 1981); Pwani Region, Bagamoyo Distr., Kiono FR; Tanga Region, Handeni Distr., Genda Genda FR; Tanga Region, Lushoto Distr., W Usambara Mts, Mazumbai FR; Arusha Region, Monduli Distr., Longido Mt. (Hoffman, 2002).

Other records: KENYA: Shimba Hills (Hoffman, 2002).

Notes: Hoffman (2002) downgraded *decora* to subspecific status. The nominate subspecies of *C. latifolia* occurs in Kenya.

***Calyptomastix* Hoffman & Howell, 2012*****Calyptomastix dorsalis* Carl, 1909 (E)**

*Odontopyge dorsalis* Carl, 1909

*Calyptomastix dorsalis*: Hoffman & Howell (2012)

Tanzanian records. Kagera Region, Kiwamba in S Karagwe; Kagera Region, Biaramuli (Ost-Ussuwi) (probably Biharamulo Distr.) up to Sultanate Ihangiro; Bukoba. Selection of one of these sites as type locality requires designation of a lectotype for this name.

***Calyptomastix kakandae* (Kraus, 1958)**

*Odontopyge kakandae* Kraus, 1958b

*Calyptomastix kakandae*: Hoffman & Howell (2012)

Tanzanian records: Rukwa Region, Sumbawanga Distr., Tatanda (8°31'S, 31°30'E), 100 km S of Sumbawanga (Hoffman & Howell, 2012).

New material: 7M 6F, Rukwa Region, Sumbawanga Distr., Mbizi FR, 7°32'S, 31°43'E, 2300 m, i–ii. 1997, L.L. Sørensen leg (ZMUC).

Other records: D.R. CONGO: Kakanda, Mutaka (TL); Parc National de l'Upemba (Kraus, 1960).

***Calyptomastix leviceps* (Attems, 1909) (E)**

*Haplothysanus leviceps* Attems, 1909

*Odontopyge leviceps*: Kraus (1960)

*Calyptomastix leviceps*: Hoffman & Howell (2012)

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro, Siha Distr., Kobong'oto ("Kibonoto"), steppe-cultural zone, 1300–1900 m, mixed forest-cultural zone, rain forest

2000–3000 m, farms (TL); Arusha Region, Monduli Distr., Songida Mt., S of Namanga (Hoffman & Howell, 2012).

***Calypptomastix pardalis* (Gerstaecker, 1873) (E)**

*Spirostreptus pardalis* Gerstaecker, 1873

*Haplothysanus pardalis*: Attems (1914a)

*Odontopyge pardalis*: Kraus (1960)

*Calypptomastix pardalis*: Hoffman & Howell (2012)

Tanzanian records: Zanzibar (Gerstaecker, 1873)

***Chaleponcus* Attems, 1914**

***Chaleponcus basiliscus* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, West Kilombero FR, Udekwa village, Nyambanito Mt., Ukami Forest, 07°42'49"S, 36°25'15"E (TL).

***Chaleponcus circumvallatus* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Udzungwa Mts, Udzungwa Scarp FR, above Chita village, 1600–1650 m, montane rain forest (TL); Iringa Region, Iringa Distr., West Kilombero Scarp FR, 07°50'38.4"S, 36°22'17.6"E, montane forest, 1390–1410 m (Enghoff, 2014).

***Chaleponcus dabagaensis* Kraus, 1958a (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, at Kabuni Estate near Dabaga, 2100 m, in semi-rain forest, under litter (TL); Iringa Region, Iringa Distr., Udzungwa Mts, Kiranzi-Kitungulu FR, 08°07'–09'S, 35°04'–05'E, forest, 1700 m; Iringa Region, Iringa Distr., Udzungwa Mts, New Dabaga/Ulangambi FR, 08°06'S, 35°56'E, montane, 1800–1955 m (Enghoff, 2014).

Notes: Kraus (1960) listed this species as a "Species incertae sedis" noticing that it might be related to *Spinotarsus*, but Enghoff (2014) accepted it as a true *Chaleponcus*.

***Chaleponcus gracilior* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, New Dabaga/Ulangambi FR, 08°05'37.9"S, 35°54'05.6"E, fallow/cultivation, 1900–1920 m (TL); same data, but 08°00'–06'S, 35°53'–56'E, 1800–1980 m; Iringa Region, Iringa Distr., West Kilombero Scarp FR, 07°45'34.2"S, 36°26'37.4"E, (open) woodland, 1510 m; Iringa Region, Iringa Distr., Udzungwa Mts, Kiranzi-Kitungulu FR, 08°09'S, 35°05'E, forest, 1500 m; Iringa Region, Iringa Distr., Kalimbazi Mountain, 2000–2100 m, 10 km S of Mazombe, forest floor (Enghoff, 2014).

***Chaleponcus hamerae* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Udzungwa Mts, Udzungwa Scarp FR, above Chita village, 1600–1650 m, montane rain forest (TL); Iringa Region, Udzungwa Mts, Udzungwa Scarp FR, 11 km SE of Masisiwe village, Kihanga Stream, 1800 m, 08°22'05.7"S, 35°58'41.6"E (Enghoff, 2014).

***Chaleponcus howelli* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Mufindi distr., Udzungwa Mts, Mufindi, Kigogo Forest Reserve, 1700–1900 m, montane rain forest (TL).

***Chaleponcus ibis* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, West Kilombero FR, Udekwa village, Nyambanito Mt., Ukami Forest, 07°42'49"S, 36°25'15"E (TL).

***Chaleponcus krai* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., New Dabaga/Ulangambi FR, 08°05'37.9"S, 35°54'05.6"E, fallow/cultivation, 1900–1920 m (TL); Kalimbazi Mountain, near Mazombe, 2000–2100 m (Enghoff, 2014).

***Chaleponcus malleolus* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, New Dabaga/Ulangambi FR, 08°00'26.6"S, 35°56'06.1"E, montane forest, 1910 m (TL); same data, but 08°00–03'S, 35°54–56'E, 1904–1945 m (Enghoff, 2014).

***Chaleponcus mwabvui* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, New Dabaga/Ulangambi FR, 08°06'47.4"S, 35°56'50.4"E, montane, 1800–1955 m (TL); Iringa Region, Mufindi distr., Udzungwa Mts, Mufindi, Kigogo Forest Reserve, 1900 m (Enghoff, 2014).

***Chaleponcus mwanihanensis* Enghoff, 2014 (E)**

Tanzanian records: Morogoro Region, Kilombero Distr., Udzungwa Mts, Mwanihana FR, 1800–1850 m, montane rain forest (TL); Morogoro Region, Kilombero Distr., Udzungwa Mts, Mwanihana FR, above Sanje, 1800 m (Enghoff, 2014).

***Chaleponcus nectarinia* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, New Dabaga/Ulangambi FR, 08°03'34.9"S, 35°54'41.9"E, montane, 1955 m (TL); same data, but 08°03–04'S, 35°54'E, 1930–1955 m (Enghoff, 2014).

***Chaleponcus netus* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, New Dabaga/Ulangambi FR, 08°00'26.6"S, 35°56'06.1"E, montane forest, 1910 m (TL); same data, but 08°00–05'S, 35°55–56'E, 1800–1910 m, montane forest and scrub/thicket/bush; Iringa Region, Iringa Distr., Udzungwa Mts, West Kilombero Scarp FR, 07°50'–08°04'S, 35°54'–38°04'E, 1390–1955 m (Enghoff, 2014).

***Chaleponcus nikolajsharffi* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Udzungwa Mts, Udzungwa Scarp FR, above Chita village, 1500 m (TL); same data, but 1400–1650 m; Iringa Region, Udzungwa Mts, Udzungwa Scarp FR, 11 km SE of Masisiwe village, Kihanga Stream, 1800 m, 08°22'05.7"S, 35°58'41.6"E; Iringa Region, Udzungwa Mts, Udzungwa Scarp FR, nr. Masisiwe, 08°20'32"S, 35°58'03"E (Enghoff, 2014).

***Chaleponcus parensis* Frederiksen, 2013a (E)**

Tanzanian records: Kilimanjaro Region, Mwanga Distr., Kiverenge FR, North Pare Mts, 03°58'25.2"S, 37°39'09.1"E, 1500 m (TL); Kilimanjaro Region, Mwanga Distr., Kive, North Pare Mts, 03°57'39"S, 37°41'58.1"E, 1459m (Frederiksen, 2013a).

***Chaleponcus quasimodo* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Mufindi Distr., Udzungwa Mts, Kigogo FR, 1700–1900 m, montane rain forest (TL).

***Chaleponcus scopus* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Mufindi Distr., Udzungwa Mts, Kigogo FR, 1700–1900 m, montane rain forest (TL).

***Chaleponcus teres* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, New Dabaga/Ulangambi FR, 08°04'05.7"S, 35°54'18.8"E, montane, 1930–1950 m (TL).

***Chaleponcus termini* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, New Dabaga/Ulangambi FR, 08°04'5.7"S, 35°54'18.8"E, montane, 1930–1950 m (TL); same data, but 08°04–06'S, 35°54–56'E (Enghoff, 2014).

***Chaleponcus tintin* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, Chervemba, Mufu Forest, Ndundulu Forest, Udekwa village, 2100 m, montane evergreen forest (TL).

***Chaleponcus vandenspiegeli* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., New Dabaga/Ulangambi FR, 08°05'34.5"S, 35°55'31.5"E, montane, 1800–1900 m (TL).

***Chaleponcus vilici* Enghoff, 2014 (E)**

Tanzanian records: Iringa Region, Iringa Distr., New Dabaga/Ulangambi FR, 08°04'05.7"S, 35°54'18.8"E, montane, 1930–1950 m (TL); same data, but 08°00–04'S, 35°54–56'E, 1908–1955 m (Enghoff 2014).

***Geotypodon* Enghoff, 2016*****Geotypodon dispersus* (Carl, 1909)**

*Odontopyge dispersa* Carl, 1909

*Geotypodon dispersus*: Enghoff (2016)

Tanzanian records: Kagera Region, Biharamulo Distr., Misoroti-Chiavitembe (Ost-Ussuwi) (Carl 1909)

Other records: RWANDA, Njarugenge-Niansa (C Rwanda). Selection of one of these sites as type locality requires designation of a lectotype for this name.

***Geotypodon intermedius* (Carl, 1909)**

*Odontopyge intermedia* Carl, 1909

*Geotypodon intermedius*: Enghoff (2016)

Tanzanian records: None, although the distribution was given as "NE. Tanganyika" by Kraus (1960); however, the localities given by Carl (1909) are in Rwanda.

New material: 2 specimens Shinyanga Region, Kahama Distr., Bulyanhulu Project, NW Kahana, 3°13'S, 32°29'E, 20.v.1977, K.M. Howell & C. Msuya *leg.* (VMNH).

***Geotypodon iringensis* Enghoff, 2016 (E)**

Tanzanian records: Iringa Region, 10 km east of Iringa City, 7°46'S, 35°42'E (TL).

***Geotypodon millemanus* Enghoff, 2016 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, West Kilombero Scarp FR, 07°50'38.4"S, 36°22'17.6"E, montane forest, 1390–1410 m (TL); Iringa Region, Iringa Distr., Udzungwa Mts., Kiranzi-Kitungulu FR, 08°09'S, 35°05'E., forest, 1500 m (Enghoff, in press).

***Geotypodon ollieri* (Silvestri, 1907)**

*Odontopyge ollieri* Silvestri, 1907b

*Haplothysanus ollieri*: Attems (1914a)

*Geotypodon ollieri*: Enghoff (2016)

Tanzanian records: Kagera Region, Biaramuli (Ost-Ussuwi) (probably Biharamulo Distr.); Kagera Region, Karagwe Distr., Kagera-Mabira (S Karagwe); Niakahanga in Karagwe (Carl, 1909).

Other records: UGANDA, Toro (TL); RWANDA, Kissaka (Carl, 1909); D.R. CONGO, Mongbwalu (Attems, 1953).

***Geotypodon specularis* (Attems, 1927)**

*Odontopyge specularis* Attems, 1927

*Geotypodon specularis*: Enghoff (2016)

Tanzanian records: "Bukoba bei Usambara" (Attems, 1927). This locality as stated by Attems does not make geographical sense; Bukoba is in Kagera Region, the Usambara mountains are in Tanga Region.

Other records: D.R. CONGO: NW coast of Lake Tanzania (Attems, 1927). Selection of one of these as type locality will depend on designation of a lectotype for this name.



***Geotypodon submontanus* Enghoff, 2016 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Udzungwa Mts, West Kilombero Scarp FR, 07°53'19.5"S, 36°23'11.6"E, submontane forest, 1145 m (TL).

***Haplothysanus Attems, 1909******Haplothysanus emini* (Carl, 1909) (E)**

*Odontopyge emini* Carl, 1909

*Haplothysanus emini*: Attems (1914a)

Tanzanian records: Kagera Region, Bukoba, in bushland and banana gardens (TL?); Sultanate Ihangiro. (It is assumed that "Sultanate Ihangiro" refers to a separate locality from Bukoba. If this is true, identification of the type locality will require the selection of a lectotype.)

***Haplothysanus polybothrus* Attems, 1909 (E)**

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro, Siha Distr., Kobong'oto ("Kibonoto"), rain forest, 2000–3000 m (TL, Attems, 1909).

***Haplothysanus socialis* (Carl, 1909)**

*Odontopyge socialis* Carl, 1909

*Haplothysanus socialis*: Attems (1914a)

Tanzanian records: Kagera Region, Biharamulo distr., bush from Kagera through S Karagwe to Mabira in O Ussuwi; Kagera Region, Karagwe Distr., Niakahanga (Carl, 1909).

Other Records: RWANDA: Njarugenje-Niansa (C Rwanda), Kissaka (SE Rwanda); UGANDA: Entebbe (Carl, 1909). Selection of one of the sites cited by Carl (1909) requires designation of a lectotype for this name. Kilembe (Demange, 1988). D.R. CONGO: Rutshuru (Attems, 1935); Goma at Lake Kivu; N'Zulu at Lake Kivu (Attems, 1937a); RWANDA: Gabiro (Attems, 1938); Ngarama at Gatsibu, 1350 m (Kraus, 1960).

***Harmomastix* Attems, 1909*****Harmomastix tetracanthus* Attems, 1909 (E)**

Tanzanian records: Mt. Kilimanjaro Region, Mt. Kilimanjaro, Siha Distr., Kobong'oto ("Kibonoto"), under decaying leaves and stones, steppe to cultural zone, 1300–1900 m; Arusha Region, Mt. Meru, valley at river Ngare na nyuki; selection of one of these sites requires designation of a lectotype for this name.

***Helicochetus* Attems, 1909*****Helicochetus digitarsus* Kraus, 1957**

Tanzanian records: none.

New material: several specimens Mara Region, Serengeti Distr., Seronera, Serengeti National Park, P. Senzota *leg.* (VMNH); 1 M Tabora Region, Nzega Distr., Nzega City, 16.xii.1982, S. Smith *leg.* (VMNH).

Other records: D.R. CONGO: Haut Katanga, territoire de Jadotville (TL).

***Helicochetus dimidiatus* (Peters, 1855)**

*Spirostreptus dimidiatus* Peters, 1855

*Odontopyge attemsi* Verhoeff, 1901

*Helicochetus dimidiatus*: Attems (1909)

Tanzanian records: "Insel Kwale" (Verhoeff, 1901—there are several islands named Kwale along the coast of Tanzania, and we cannot decide to which of these Verhoeff referred; Pwani Region, Rufiji Distr., Rufiji delta, Msala, in the undergrowth of a coconut plantation, low grass with scattered fields of higher and lower bushes (Kraus, 1958a).

New material: Dar es Salaam Region, Ilala Distr. Dar es Salaam, 2.viii.1981, M. Stoltze *leg.* (ZMUC).

Other records: MOZAMBIQUE: Imbahane (TL, Peters, 1855);

Notes: Reported as a pest on the island of Kwale. Verhoeff (1901) wrote (translated from German): "It comes from the island Kwale off the German East African coast and there destroys various crops, probably by destroying the roots. Apparently it occurs in great masses. Herr Dr. Busse (Berlin, imperial health office) writes "that the inhabitants of Kwale, as a consequence of the ravaging by these millipedes, can only conduct their agriculture on the continent and for this purpose have to travel 20 minutes through the surf".

***Helicochetus gregorii* (Pocock, 1896)**

*Odontopyge gregorii* Pocock, 1896

*Helicochetus gregorii*: Attems (1914a)

Tanzanian records: none.

New material: 1 M Tanga Region, Muheza Distr., Bamba FR, 4°58'S, 38°47'E, vii-ix.1995, Frontier Tanzania *leg.* (VMNH); 1 M, Tanga Region, Tanga, near Mkulumuzi (= Amboni) Caves, 12.iii.1986, J. Sachat *leg.* (VMNH).

Other records: KENYA: Mt. Kenya, Ngatana (TL).

***Helicochetus pococki* (Carl, 1909) (E)**

*Odontopyge pococki* Carl, 1909

*Helicochetus pococki*: Attems (1914a)

Tanzanian records: Kagera Region, Biaramuli (Ost-Ussuwi) (probably Biharamulo Distr.); Niakahanga (central Karagwe). Selection of one of these sites as type locality requires designation of a lectotype for this name.

***Hoffmanides Kraus***

***Hoffmanides dissutus* (Hoffman, 1963) (E)**

*Spinotarsus dissutus* Hoffman, 1963

*Hoffmanides dissutus*: Kraus (1966)

Tanzanian records: Morogoro Region, Morogoro (Hoffman 1963).

New material: 1 M Morogoro Region, Uluguru Mts, Morningside, 23.xii.1979, K.M. Howell *leg.* (VMNH).

***Lamelloramus Frederiksen, 2013***

***Lamelloramus rhombiformis* Frederiksen, 2013b (E)**

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Amani, 05°05–07'S, 38°34–38'E, 1000 m (TL).

***Lamelloramus triangularis* Frederiksen, 2013b (E)**

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Amani, 500–100 m (TL); Tanga Region, Muheza + Korogwe Distr., E Usambara Mts, Nilo FR, 04°53–57'S, 38°38'E (Frederiksen, 2013b).

***Plethocrossus* Attems, 1909**

***Plethocrossus nairobius* Attems, 1914**

Tanzanian records: none.

New material: 2 specimens Arusha Region, Longido Distr., Longido Mt, forest, v.1986, J. Kielland *leg.* (VMNH); 1 M Kilimanjaro Region, Mwanga Distr., N Pare Mts, Kifula, Ugwena, 22.xii.1986, C.A. Msuya *leg.* (VMNH).

Other records: KENYA: "Nairobi, Plaine Masa; Bansa, Taita" (Attems, 1914a). Uncertain which of these is to be regarded as TL.

***Plethocrossus octofoveatus* Attems, 1909 (E)**

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro, Siha Distr., Kobong'oto

(“Kibonoto”), under decaying leaves and stones; Arusha Region, Meru Valley, near the Ngare Nanyuki River (Attems 1909). Selection of one of these as type locality will depend on designation of a lectotype for this name. Kilimanjaro Region, Mt. Kilimanjaro, New Moschi, alt. 800 m (Brolemann, 1920).

New material: 3 specimens, Pwani Region, Handeni Distr., Genda Genda Forest, 5°23'S 38°38'E, semi-evergreen coastal forest, 100–500 m, x–xi.1991, Frontier Tanzania Group *leg.* (VMNH).

***Plethocrossus tardus* Attems, 1909**

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro, Siha Distr., Kobong'oto (“Kibonoto”), steppe to cultural zone, 1300–1900 m (TL).

New material: Morogoro Region, Morogoro Rural Distr., Uluguru Mts, Lupanga West, litter, 1.vii.1981, M. Stoltze & N. Scharff *leg.* (ZMUC).

Other records: KENYA: Suswa, 8.xi.1981, C.C. Kinze *leg.* (ZMUC).

Notes: Herewith recorded as new for Kenya. The newly recorded specimens agree with the original description, except for the absence of a distal small accessory spine of the solenomere (*Tfs* of Attems, 1909), and small differences in the shape of the post-torsional, “tibial” spine (*Td*).

***Prionopetalum* Attems, 1909**

***Prionopetalum bifidum* VandenSpiegel & Pierrard, 2009 (E)**

*Prionopetalum bifidus* VandenSpiegel & Pierrard, 2009

Tanzanian records: “Makamia”, 4°21'S, 37°49'E, road Segera-Moshi, 1000 m (TL), “Makamia” is most probably a misspelling of Makanya, see below.

New material: several specimens (topotypes?), Kilimanjaro Region, Same Distr., Makanya, 4°22'S, 37°49'E, 800 m, 18.i.1992, D. Moyer *leg.* (ZMUC).

Notes: the species epithet has been emended to agree in gender with the genus name.

***Prionopetalum dentigerum* Verhoeff, 1941 (E)**

Tanzanian records: Morogoro Region, Morogoro (Verhoeff, 1941); Pwani Region, Kisarawe Distr., Ruvu South FR (VandenSpiegel & Pierrard, 2009).

New material: Mbeya Region, dry scrub between Kimani and Igawa (SW Tanzania), at road A104, 1.ii.1996, M. Andersen, P. Gravlund & A. Jakobsen *leg.* (ZMUC).

***Prionopetalum fasciatum* (Attems, 1896) (E)**

*Odontopyge fasciata* Attems, 1896

*Prionopetalum fasciatum*: Attems (1914a)

Tanzanian records: Zanzibar (TL); Zanzibar; Pwani Region, Bagamoyo Distr., Vula Mountain, Pongwe (VandenSpiegel & Pierrard, 2009).

New material: Zanzibar, Kizimkazi, at foot of mango tree, 17.vi.1979, M. Stoltze *leg.* (ZMUC); Zanzibar, the sultan's palace, 16.vi.1979, M. Stoltze *leg.* (ZMUC).

***Prionopetalum frundsbergi* Attems, 1927**

*Prionopetalum serratum frundsbergi* Attems, 1927

*Prionopetalum frundsbergi*: Kraus (1960)

Tanzanian records: Dar es Salaam (TL).

New material. Tanga Region, Tanga, just outside Mkulumuzi (=Amboni) Cave, just N of Tanga), 7.viii.1974, I.B. & H. Enghoff *leg.* (ZMUC); Tanga Region, Tanga, 10.ii.1977, H. Enghoff, O. Lomholdt & O. Martin *leg.* (ZMUC); Tanga Region, Muheza Distr., Mgambo Proposed FR, 350 m, ix.1996, N. Cordeiro *leg.* (ZMUC). – KENYA: Mombasa, park, 19.vii.1974, I.B. & H. Enghoff *leg.* (ZMUC); Tiwi S of Mombasa, at coast, i.1977, H. Enghoff *leg.* (ZMUC); Bushwackers near Kibwezi, 30.xii.1982, C.C. Kinze *leg.* (ZMUC).

Other records: KENYA, Tsavo West; Malindi; Mt. Kasigau (VandenSpiegel & Pierrard, 2009).

Notes: Many of the samples listed as “new material” were seen by VandenSpiegel & Pierrard (2009) who referred to them as “Nombreux ♂ et ♀ de Tanzanie et Kenya”.

***Prionopetalum kraepelini* (Attems, 1896) (E)**

*Odontopyge kraepelini* Attems, 1896

*Prionopetalum kraepelini*: Attems (1914a)

Tanzanian records: Morogoro Region, Mhonda (Nguru) (TL).

***Prionopetalum lindi* VandenSpiegel & Pierrard, 2009 (E)**

Tanzanian records: Lindi Region, Kilwa distr., Tong'omba FR, 8°25'S, 39°01'E, 150–550 m (TL).

***Prionopetalum serratum* Attems, 1909**

*Prionopetalum serratum* Attems, 1909

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro, Siha Distr., Kobong'oto (“Kibonoto”), steppe to cultural zone, 1300–1900 m, in banana plantations, agriculture, under decaying leaves and under stones; under stones in the Massai steppe; Arusha Region, Meru valley; Tanga Region, Usambara, Mombo (Attems, 1909). Selection of one of these sites as type locality requires designation of a lectotype for this name. Arusha Region, Karatu Distr., Oldeani (Kraus, 1966); Arusha Region, Arusha (VandenSpiegel & Pierrard, 2009).

Other records: KENYA: Kaijado (VandenSpiegel & Pierrard, 2009).

***Prionopetalum stuhlmanni* Attems, 1914 (E)**

*Odontopyge pardalis*: Attems (1896), non *pardalis* Gerstaecker, 1873

*Prionopetalum pardalis*: Attems (1909)

*Prionopetalum stuhlmanni* Attems, 1914a

Tanzanian records: Tanga Region, Lushoto Distr. Usambara Mts, Lewa (Attems, 1896) (TL); Arusha Region, Arusha; Dar es Salaam (VandenSpiegel & Pierrard, 2009).

***Prionopetalum suave* (Gerstaecker, 1873) (E)**

*Spirostreptus suavis* Gerstaecker, 1873

*Odontopyge suavis*: Attems (1896)

*Prionopetalum suavis*: Attems (1909)

*Prionopetalum suave*: Attems (1914a)

Tanzanian records: Zanzibar Coast (TL); Zanzibar, (Nasi Moga, Kibueni); Mhonda (Nguru) (Attems, 1896).

***Prionopetalum tanganjikum* Verhoeff, 1941 (E)**

Tanzanian records: “Rinyanya” at Lake Tanganyika (TL); Kilimanjaro Region, Moshi Distr., Moshi town, (VandenSpiegel & Pierrard, 2009).

***Prionopetalum urbicolium* (Carl, 1909)**

*Odontopyge urbicola* Carl, 1909

*Prionopetalum leviceps* Attems, 1910

*Prionopetalum urbicola*: Attems (1914a)

*Prionopetalum urbicolium*: Kraus (1958a)

Tanzanian records: Dar es Salaam (TL); N Pemba, Pemba, Chake Chake, Fundu Island (Attems 1910); Uzaramo Distr., Dar es Salaam (Kraus 1958a); Zanzibar; Dar-es-Salam (VandenSpiegel & Pierrard, 2009).

New material. Dar es Salaam, several samples, (ZMUC); Zanzibar, several samples (Zanzibar City, Kizimkazi, Jozani Forest) (ZMUC); KENYA (SE), Shimoni, 11–13.ii.1985, M. Andersen, S.J. Horsted & T.G. Nielsen *leg.* (ZMUC); same loc.,

11.ii.1985; Aruba Lodge, 14.ii.1985, S.J. Horsted & T.G. Nielsen *leg.* (ZMUC). Many of these samples were seen by VandenSpiegel & Pierrard (2009) who referred to them as “Nombreux ♂ et ♀”.

Notes: Herewith recorded as new for Kenya.

***Prionopetalum xerophilum* (Carl, 1909)**

*Odontopyge xerophila* Carl, 1909

*Prionopetalum xerophilum*: Attems (1914a)

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro, Marangu, SE slope 03°04'S, 37°22'E (VandenSpiegel & Pierrard, 2009).

New material: Shinyanga Region, Kaha Distr., Bulyuanhulu Mine Site, 16.v.1991, K.M. Howell, C. Msuyu & P. Kihale *leg.* (VMNH).

Other records: RWANDA: Njarugenje; between Kagera and Mohasisee (Carl, 1909), uncertain which of these is TL. Uinka, Nyalaguka P.; Gabiro (VandenSpiegel & Pierrard, 2009).

***Raduliverpa Frederiksen & Enghoff, 2015***

***Raduliverpa mitis* Frederiksen & Enghoff, 2015**

Tanzanian records: Kilimanjaro Region, Same Distr., North Pare Mts, 03°57'39”S, 37°41'58”E (TL).

***Raduliverpa serpentispina* Frederiksen & Enghoff, 2014**

Tanzanian records: Kilimanjaro Region, Same Distr., South Pare Mts, Vumari FR (TL); Kilimanjaro Region, Moshi vijijini (rural) Distr., Mt. Kilimanjaro, coffee plantation, 1305 m; Kilimanjaro Region, Rombo Distr., Mt. Kilimanjaro, coffee plantation, 1648m; Kilimanjaro Region, Mt. Kilimanjaro, grassland, 1400 m (Frederiksen & Enghoff, 2015). Other records: KENYA: Mt. Kasigao, Rukanga Vil.; Mt. Kasigao, Jora Vil.; Taita Hills, Ngangao Forest (Frederiksen & Enghoff, 2015).

***Rhamphidarpina* Kraus, 1960**

***Rhamphidarpina dorsosulcata* (Carl, 1909) (E)**

*Odontopyge dorsosulcatus* Carl, 1909

*Rhamphidarpe dorsosulcata*: Attems (1914a)

*Rhamphidarpina dorsosulcata*: Kraus (1960)

*Rhamphidarpe dorsosulcata*: Demange (1988)

Tanzanian records: Kagera Region, Bukoba; Kagera Region, Biamuli (Ost-Ussuwi) (probably Biharamulo Distr.); Kagera Region, Karagwe Distr., through S Karagwe towards Mabia (Carl, 1909). Selection of one of these as type locality will depend on designation of a lectotype for this name.

Other records: UGANDA: Maracha (Arua) (Demange, 1988).

***Rhamphidarpoides* Kraus, 1960**

***Rhamphidarpoides kilimandjarona* (Attems, 1909)**

*Odontopyge kilimandjarona* Attems, 1909

*Rhamphidarpoides kilimandjarona*: Frederiksen & Enghoff (2015).

Tanzanian records: Kilimanjaro Region, Siha Distr., Mt. Kilimanjaro, Kobong'oto (“Kibonoto”), steppe-cultural zone 1300–1900 m, rain forest 2000–3000 m, mixed forest-cultural zone; “Massai steppe”, in farms under decaying leaves and wood. Fixation of the TL will require the designation of a lectotype. Kilimanjaro Region, Moshi Vijijini (rural) Distr., Mt. Kilimanjaro, 16–23–1788 m; Kilimanjaro Region, Hai Distr., Mt. Kilimanjaro, 1306–1692 m. (Frederiksen & Enghoff, 2015).

New material: 1 M, Kilimanjaro Region, slope of Mt. Kilimanjaro N of Marangu, 24–25.vii.1957, P. Basilewsky & N. Leleup *leg.* (VMNH). KENYA, Nairobi, Westlands, 28.vi.1977, H. Gønget *leg.*, D. VandenSpiegel det. (ZMUC).

Other records: KENYA, Nairobi, 1800 m, garden (Frederiksen & Enghoff, 2015).

***Rhamphidarpoidea regina* (Carl, 1909) (E)**

*Rhamphidarpe regina*: Attems (1938)

*Rhamphidarpoidea regina*: Kraus (1960)

Tanzanian records: Kagera Region, Kagera to Mabira (S Karagwe); Kagera Region, Biaramuli to Chiavitembe (Ost-Ussuwi) (probably Biharamulo Distr.) (Carl, 1909).

*Odontopyge regina* Carl, 1909

***Syndesmogenus* Attems, 1909**

***Syndesmogenus gracilis* Attems, 1909 (E)**

Tanzanian records: Kilimanjaro Region, Siha Distr., Mt. Kilimanjaro, Kobong'oto (“Kibonoto”), cultural zone, 1000–1900 m, in walls of termite mound, orchard steppe (TL).

***Syndesmogenus laticollis* (Carl, 1909)**

*Odontopyge laticollis* Carl, 1909

*Spinotarsus laticollis*: Attems (1914a)

*Syndesmogenus laticollis*: Kraus (1960)

Tanzanian records: Kagera Region, Biaramuli (Ost-Ussuwi) (probably Biharamulo Distr.) (TL).

Other records: D.R. CONGO, Kivu, Tscibinda (Attems, 1938); Kivu, Kabare, SE Kahuzi; Kivu, Kabare, Lwiro; Kivu, Kabare, *Hagenia* forest; RWANDA: Rugege Forest (Kraus, 1960).

***Syndesmogenus spiralis* (Carl, 1909)**

*Odontopyge spiralis* Carl, 1909

*Haplothysanus spiralis*: Attems (1914a)

*Syndesmogenus spiralis*: Kraus (1960)

Tanzanian records: Kagera Region, Biaramuli (E Ussuvi) (probably Biharamulo Distr.); Kagera Region, Bukoba (Carl, 1909).

Other records: RWANDA, Njarugenje-Niansa; Kirehe (Carl, 1909). Selection of one of the sites cited by Carl (1909) requires designation of a lectotype for this name. RWANDA, Astrida (now: Butare) (Kraus, 1960).

***Syndesmogenus xanthonotus* Attems, 1910 (E)**

Tanzanian records: Pemba Island, Chake Chake, N Pemba, Fundu Isl. Selection of one of these sites requires designation of a lectotype for this name.

***Xystopyge***

***Xystopyge corolla* VandenSpiegel & Pierrard, 2004 (E)**

Tanzanian records: Pwani Region, Bagamoyo Distr., Kiono Forest, 6°7'S, 38°24'E, Makange FR ca. 50 km NW Bagamoyo (TL); Tanga Region, Pangani Distri., Mkwaja Ranch 5°46'S, 39°01'E (VandenSpiegel & Pierrard, 2004).

***Xystopyge enghoffi* VandenSpiegel & Pierrard, 2004 (E)**

Tanzanian records: Tanga Region, Muheza Distr., Kwamgumi 4°57'S, 38°44'E (TL); Tanga Region, Muheza Distr., E Usambara Mts, Amani 5°57'S, 38°38'E; Mtai FR, 4°27'S, 38°14'E (VandenSpiegel & Pierrard, 2004).

New material: 1 M, Tanga Region, Muheza Distr., Nilo FR, 1240 m, submontane forest, 27.ii.2001, Frontier Tanzania *leg.* (ZMUC).

***Xystopyge frontieri* Frederiksen & Enghoff, 2012 (E)**

Tanzanian records: Tanga Region, Muheza + Korogwe Distr., Nilo FR, 04°57'53,1"S 38°38'28,6"E (TL).

***Xystopyge hoffmani* VandenSpiegel & Pierrard, 2004 (E)**

*Xystopyge robusta hoffmani* VandenSpiegel & Pierrard, 2004

*Xystopyge hoffmani*: Frederiksen & Enghoff (2012).

Tanzanian records: Pwani Region, Bagamoyo Distr., Pande Forest 5°49'S, 38°36'E (TL).

***Xystopyge lamella* VandenSpiegel & Pierrard, 2004 (E)**

Tanzanian records: Tanga Region, Muheza Distr., Kwamgumi 4°57'S, 38°44'E (TL); Tanga Region, Muheza Distr., E Usambara Mts Kihuhwi Forest 5°13'S, 38°45'E, (VandenSpiegel & Pierrard, 2004); Tanga Region, Muheza Distr., E Usambara Mts, Nilo FR; Tanga Region, Muheza Distr., E Usambara Mts, Amani, 1000 m (Frederiksen & Enghoff, 2012).

***Xystopyge lineata* Attems, 1909 (E)**

Tanzanian records: Arusha Region, Meru valley, Ngare Nanyuki river, 3°08'S, 36°52'E (TL).

***Xystopyge longibifida* VandenSpiegel & Pierrard, 2004 (E)**

Tanzanian records: Pwani Region, Kisarawe distr., 5°36'S, 38°26'E (TL).

***Xystopyge lunula* VandenSpiegel & Pierrard, 2004**

Tanzanian records: Tanga Region, Muheza Distr., Mungu FR 5°02'S, 38°47'E (VandenSpiegel & Pierrard, 2004).

Other records: KENYA, Taita Discovery Center, 3°25'S, 38°46'E (TL).

***Xystopyge martella* VandenSpiegel & Pierrard, 2004 (E)**

Tanzanian records: Tanga Region, Lushoto distr., Shume Magamba FR, W. Usambara Mts, N of Lushoto (TL); Tanga Region, Lushoto Distr., W Usambara Mts, Mazumbai, 1600 m (Frederiksen & Enghoff, 2012).

New material: 1 M, Tanga Region, Lushoto distr., W Usambara Mts, Mazumbai FR, 4°49'S, 38°29'E, vii.1995, L.L. Sørensen *leg.* (ZMUC).

***Xystopyge pelecys* Frederiksen & Enghoff, 2012 (E)**

Tanzanian records: Tanga Region, Muheza Distr., Nilo FR, 04°54'16"S, 38°39'45"E (TL); Tanga Region, Muheza Distr., E Usambara Mts, Amani, 1000 m (Frederiksen & Enghoff, 2012).

***Xystopyge proplicatus* Frederiksen & Enghoff, 2012 (E)**

Tanzanian records: Morogoro Region, Morogoro Rural Distr., Uluguru Mts, Kimboza Forest (TL).

***Xystopyge robusta* Attems, 1910 (E)**

Tanzanian records: Pemba Island, Chake-Chake; Mafia Island (Attems 1910). Selection of one of these sites requires designation of a lectotype for this name. Morogoro Region, Morogoro, 6°30'S, 37°1'E, alt. 526 m; Morogoro Region, Kilosa Distr., Ilonga 6°46'S, 37°02'E, alt. 500 m; Arusha Region, Tarangire National Park, 3°47'S, 36°05'E (VandenSpiegel & Pierrard, 2004).

***Xystopyge zanzibarensis* Frederiksen & Enghoff, 2012 (E)**

Tanzanian records: Zanzibar, Jozani Forest (TL).

**Spirostreptidae**

Krabbe (1982) gave a comprehensive review of this family.

***Anastreptus* Cook, 1896c*****Anastreptus scalatus* (Karsch, 1881)**

*Glyphijulus scalatus* Karsch, 1881

*Anastreptus scalatus*: Cook (1896c)

Tanzanian records: Pwani Region, Kisarawe Distr., Ruvu South FR (Mwabvu & VandenSpiegel, 2009).

New material: 1 M, Dar es Salaam, UDSM campus, 1981, D. Griffiths *leg.* (VMNH).

Other records: KENYA: Mombasa (TL); Taita Hills; Sokoke Forest ca. 20 km S of Malindi; Ngong Hills; Bushwackers near Kibwesi (Mwabvu & VandenSpiegel, 2009).

***Archispirostreptus* Silvestri, 1895**

This genus was revised by Mwabvu *et al.* (2010)

***Archispirostreptus gigas* (Peters, 1855)**

*Spirostreptus gigas* Peters, 1855

*Spirostreptus procerus* Gerstaecker, 1873

*Spirostreptus plumaceus* Voges, 1878

*Spirostreptus opistheuryis* Attems, 1896

*Spirostreptus semicylindrus* Voges, 1898

*Graphidostreptus gigas*: Attems (1914a)

*Aethiopiostreptus attemsi* Verhoeff, 1938

*Spirostreptus msalaensis* Kraus, 1958a

*Archispirostreptus gigas*: Silvestri (1895)

Tanzanian records: Zanzibar (Gerstaecker, 1873; Attems, 1896; Voges, 1898), Pemba (Attems, 1914a), Lindi Region, Lindi Distr., Lindi (Verhoeff, 1938); Pwani Region, Rufiji Distr., Rufiji delta at Msala (TL of *Spirostreptus msalaensis*); Tanga Region, Muheza Distr., E Usambara Mts, Amani (Enghoff & Enghoff, 1976; Krabbe, 1982).

Other records: MOZAMBIQUE: Tete, Rios de Sena (TL). Also known from SOUTH AFRICA, KENYA, and SOMALIA (Krabbe, 1982; Mwabvu *et al.*, 2010).

Notes: This species is widely distributed in East Africa, dominantly in the coastal plain but ascending to 1000 m in the E Usambara Mountains.

***Archispirostreptus tumuliporus* (Karsch, 1881)**

*Spirostreptus tumuliporus* Karsch, 1881

*Archispirostreptus tunuliporus*: Hoffman (1965b)

Tanzanian records: Singida-Dodoma Region, Suna-Singida, frontier area between Ugogo and Turu (Krabbe, 1982).

New material: 3 M, Manyara Region, Mbulu Distr., Lake Manyara National Park, 03°25'S, 35°45'E, 13, vi, 1986, K.M. Howell & wildlife ecology students *leg.* (VMNH).

Other records: Numerous records from D.R. CONGO, GHANA, SIERRA LEONE, CHAD, CAMEROON, BENIN, SUDAN, MALI, UGANDA, MALAWI and ZIMBABWE (Mwabvu *et al.*, 2010).

Notes: The gonopods of a specimen from Lake Manyara National Park do not entirely fit the description in Mwabvu *et al.* (2010) and in some respects more resemble some of the other species recognized by these authors. The taxonomy of *Archispirostreptus* obviously still cannot be regarded as fully resolved.

***Attemsostreptus* Verhoeff, 1941*****Attemsostreptus costatus* Verhoeff, 1941 (E)**

Tanzanian records: Mountains near Morogoro (TL).



New material: 3 M, Morogoro Regon, Morogoro Distr., Uluguru Mts, Morningside, 1980–4000 ft, 27.iv.1980, K.M. Howell *leg.* (VMNH).

Notes: Verhoeff (1941) gave the TL as “Gebirge bei Morogoro am Tanganyika-See” but Morogoro is far from Lake Tanganyika.

***Attemsostreptus orobius* (Kraus, 1958) (E)**

*Lophostreptus orobius* Kraus, 1958a

*Attemsostreptus orobius*: Krabbe (1982)

Tanzanian records: Morogoro Region, Morogoro Rural Distr., Uluguru Mts, M. Lukwangule (TL)

Notes: maybe a synonym of *A. costatus* (Krabbe, 1982).

***Bucinogonus Demange & Mauriès, 1975***

***Bucinogonus kandti* (Carl, 1909)**

*Lophostreptus kandti* Carl, 1909

*Bucinogonus kandti*: Demange & Mauriès (1975)

Tanzanian records: Kagera Region, Kagera-S Karagwe-Ost Ussuwi (Carl, 1909). Kagera Region, Biaramuli, E Ussuwi (probably Biharamulo Distr.) (Krabbe, 1982, as Biobomuli).

Other records: RWANDA: Njaugenje-Niansa; Kissaka. UGANDA, Entebbe (Carl, 1909).

Note: It is uncertain which one of Carl's localities is the TL.

***Calostreptus Cook, 1896c***

***Calostreptus chelys* Cook, 1896c**

Tanzanian records: Dodoma Region, Mpwapwa Distr., Mpapua [=Mpwapwa] (TL).

Other records: KENYA: Taita Hills (Mwabvu & VandenSpiegel, 2009). Krabbe (1982) recorded *Calostreptus* cf. *chelys* from D.R. Congo, Parc National Upemba.

***Charactopygus Saussure & Zehntner, 1902***

***Charactopygus lucifugus* Brolemann, 1920 (E)**

Tanzanian records: Tanga Region, Tanga Distr., Mkulumuzi (“Kulumuzi”) cave; Zanzibar, Mkotoni Distr., Mangapwani Cave (Brolemann, 1920).

Notes: It is uncertain which of the sites should be considered the TL.

***Charactopygus voeltzkowi* (Attems, 1910)**

*Spirostreptus voeltzkowi maior* Attems, 1910

*Charactopygus voeltzkowi*: Attems (1914a)

Tanzanian records: Pemba Isl., Chake Chake (Attems, 1910).

New material: several specimens, Pemba Island, Ngezi Forest, lowland rain forest, 04°54'S, 39°42'E, 0.5 m, 4–5.xii.1983, W.A. Rodgers & J.B. Hall *leg.* (VMNH).

Other records: COMOROS (Attems, 1910; VandenSpiegel & Golovatch, 2007).

Note: It is uncertain which of the two localities given by Attems (1910) is the TL.

***Dendrostreptus Hoffman & Howell, 1983***

***Dendrostreptus macracanthus* (Attems, 1914) (E)**

*Spirostreptus macracanthus* Attems, 1914a

*Dendrostreptus macracanthus*: Hoffman & Howell (1983)

Tanzanian records: Tanga Region, Usambara Mts, Nguelo (TL), the location of Nguelo is uncertain; Tanga Region, Muheza Distr., E Usambara Mts, Amani (Enghoff & Enghoff, 1976; Krabbe, 2002); Pwani Region, Kisarawe Distr., Pugu FR; Morogoro Region, Kilombero Distr., Magombero Forest in Selous Game Reserve; Zanzibar, Jozani Forest (Hoffman & Howell, 1983).

New material: Morogoro Region, Rubeho Mts, forest 5 km SW Madizini, 900 m,

10–24.ix.1983, M. Andersen *leg.* (ZMUC); Morogoro Region, Kilombero Distr., Udzungwa Mts, Mwanihana FR, intermediate rain forest, 10–24.ix.1984, N. Scharff *leg.* (ZMUC); Morogoro Region, Morogoro distr., Mkungwe FR, lowland submontane forest, 06°51'–06°54'S, 37°51'–37°56'E, 400–1000 m, viii.2000, N. Doggart *leg.* (ZMUC).

Notes: An arboreal species (Enghoff & Enghoff, 1976).

***Doratogonus Attems, 1914***

This genus was revised by Hamer (2000).

***Doratogonus flavifilis* (Peters, 1855)**

*Spirostreptus flavifilis* Peters, 1855

*Doratogonus flavifilis*: Attems (1914)

*Doratogonus flavifilis armatus* Attems, 1928

Tanzanian records: Lindi Region, Lindi Distr., Nyangao, 60 km SW Lindi, (TL of *D. f. armatus*).

New material. 1 M “*Doratogonus flavifilis* subsp.nov” Kigoma Region, Mulungu, 1992–1993, J. Kielland *leg.* (VMNH); 1 M “*Doratogonus flavifilis* subsp.nov” Kigoma Region, Kigoma distr., Mahale Mts, Mt Bagula, above Bilenge, J. Kielland *leg.* (VMNH).

Other records: MOZAMBIQUE: Cabaceira (TL). Numerous records from the eastern half of southern Africa (Hamer, 2000).

***Doratogonus hamifer* (Attems, 1950)**

*Alloporus hamifer* Attems, 1950

*Doratogonus hamifer*: Hamer (1998)

Tanzanian records: Matengo highlands, Ugano (TL)

New material: several specimens, Rukwa Region, Sumbawanga Distr., Tatanda, 11.xi.1981, D. Moyer *leg.* (VMNH); several specimens Lindi Region, Rondo Plateau, ii.1987, J. Kielland *leg.* (VMNH); several specimens Rukwa Region, Sumbawanga Distr., Mbisi Forest, NE Sumbawanga, 3.xii.1981, D. Moyer *leg.* (VMNH).

***Elkestreptus Hoffman & Howell, 1996***

***Elkestreptus bulbiferans* (Krabbe, 1982) (E)**

*Brevitibius bulbiferans* Krabbe, 1982

*Elkestreptus bulbiferans*: Hoffman & Howell (1996)

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Amani (TL); Korogwe-Muheza Distr., Amani West FR; Tanga Region, Lushoto Distr., W Usambara Mts, Mazumbai (Hoffman & Howell, 1996).

***Epistreptus Silvestri, 1897***

***Epistreptus austerus* Attems, 1950 (E)**

Tanzanian records: Tanga Region, Muheza Distr E Usambara Mts, Amani (TL). Also recorded from Amani by Enghoff & Enghoff (1976) and Krabbe (1982).

New material: several additional specimens from Amani (ZMUC, VMNH); several specimens, Tanga Region, Muheza + Korogwe distr., Nilo FR, 820–1230 m, 2000–2001, Frontier Tanzania *leg.* (ZMUC); 1 M 1 F Morogoro Region, Kanga Mts, Kanga FR, 400–500 m, lowland rain forest, 22–25.xi.1984, N. Scharff *leg.* (ZMUC).

Note: *Epistreptus* is regarded a purely Neotropical genus (Krabbe, 1982), and the assignment of *austerus* to *Epistreptus* is absolutely provisional.

***Haplogonopus Verhoeff, 1941***

This genus was revised by Hoffman (2011b).

***Haplogonopus inflatannulus* Verhoeff, 1941 (E)**

*Spirostreptus nebularius* Kraus, 1958a

Tanzanian records: Mountains near Morogoro (TL); Morogoro Distr., Uluguru Mts, Mt

Lukwangule (TL of *Spirostreptus nebularius*); Morogoro Region, Morogoro Rural Distr., N Uluguru Mts, Lupanga Peak West, north slope of Lupanga; Morogoro Region, Morningside; Morogoro Region, S Uluguru Mts, Hululu Falls, Mgeta River valley south of Bunduki; Morogoro Region, Bondwa Mountain, Uluguru FR (Hoffman, 2011b).

New material: numerous specimens, Morogoro Region, Uluguru Mts, Uluguru South FR, forest above Ukwama village, 07°11'S, 36°42'E, 1450–1860 m, x. 1993, L. Sørensen *leg.* & det. (ZMUC); 1 M Morogoro Region, Uluguru Mts, Uluguru South FR, forest above Lenzi village, 07°06'S, 36°40'E, xi.1993, The Uluguru Biodiversity Survey *leg.*, L. Sørensen det. (ZMUC); several specimens Iringa Region, Udzungwa Mts, Ndundulu Forest, 07°46'S, 36°29'E, 1880 m, semi-evergreen tropical, montane, virgin forest, 1–22.ii.2007, J. Mdanga. L.A. Hansen and local assistants *leg.* (ZMUC); several specimens, same data, but 1550 m, tropical semi-evergreen forest, xii. 2006 – i. 2007, L. A. Hansen and local assistants *leg.* (ZMUC).

Notes: Verhoeff (1941) gave the TL as “Gebirge bei Morogoro am Tanganyika-See” but Morogoro is far from Lake Tanganyika.

***Haplogonopus cingulatus* Hoffman, 2011b (E)**

Tanzanian records: Lindi Region, Rondo Plateau (TL).

***Limnostreptus* Hoffman, 2008**

This genus was revised by Hoffman (2008).

***Limnostreptus caroli* Hoffman, 2008 (E)**

Tanzanian records: Kigoma Region, Kigoma Distr., Helembe (TL); Kigoma Region, Kasoje Forest (Hoffman, 2008).

***Limnostreptus livingstonei* Hoffman, 2008 (E)**

Tanzanian records: Rukwa Region, Sumbawanga Distr.: Tatanda (TL).

New material: Rukwa Region, Sumbawanga Distr., Mbizi FR, 07°52'S, 31°43'E, 2300 m, i–ii.1997, L.L. Sørensen *leg.* (ZMUC).

***Limnostreptus lykophorus* (Attems, 1935)**

*Doratogonus lykophorus* Attems, 1935

*Limnostreptus lykophorus*: Hoffman (2008)

Tanzanian records: Iringa Region, Mufindi Distr., Sao Hill grassland, near Ngwasi Lake (Hoffman, 2008).

Other records: D.R. CONGO: Elizabethville (= Lubumbashi), Katanga (TL); Stanleyville (= Kisangani) (see Hoffman, 2008).

***Limnostreptus solitarius* (Carl, 1909) (E)**

*Spirostreptus solitarius* Carl, 1909

*Limnostreptus solitarius*: Hoffman (2008)

Tanzanian records: Kagera Region, West Lake Distr., Rubja (Ihangiro), in bushland at River Ngonu (TL).

***Lophostreptus* Cook, 1895**

***Lophostreptus armatus* Pocock, 1896**

Tanzanian records: Arusha Region, Babati Distr., E Ufiomi (Krabbe, 1982)

Other records: KENYA: Mt. Kenya, Massai country, Ngatana (TL); Between Dimé and Lake Rudolf (= Lake Turkana) (Silvestri 1898, as *L. bottegii* Silvestri, 1898); D.R. CONGO, Parque National Upemba, Kaswabilenga (Krabbe, 1982).

***Lophostreptus bicolor* Carl, 1909**

Tanzanian records: none.

New material: 1 M, Rukwa Region, Rukwa valley, 6.xii.1981, D. Moyer *leg.* (VMNH); 1 M, Rukwa Region, Ufipa Distr., Mbisi Forest, highland grassland, 3.xii.1981 (VMNH)

Other records: RWANDA: Kissaka; Njarugenje to Niansa (Carl, 1909), uncertain which of these is TL.

***Lophostreptus poriger* Verhoeff, 1941 (E)**

Tanzanian records: Morogoro Region, Morogoro (TL).

Notes: Verhoeff gave the locality as “Morogoro am Tanganyika-See” but Morogoro is far from Lake Tanganyika.

***Lophostreptus ptilostreptoides* Carl, 1909**

*Lophostreptus regularis* Attems, 1909

*Lophostreptus malleolus* Kraus, 1958a

Tanzanian records: Kagera Region, Karagwe Distr., bushland between Kagera and the Mabira camp in S Karagwe (TL); Kilimanjaro Region, Siha Distr., Mt. Kilimanjaro, Kobong'oto (“Kibonoto”), “Massai steppe”; Tanga Region, Tanga town (Attems, 1909). Uzaramo distr., Dar es Salaam (TL of *Lophostreptus malleolus*).

New material: Morogoro Region, Morogoro Distr., Kimboza FR, 37°48'E, 07°01'S, i.–iii.1994, Frontier Tanzania leg. (ZMUC); Arusha Region, ca. 10 km E Arusha, 19.i.1977, H. Enghoff, O. Lomholdt & O. Martin leg. (ZMUC); 1 M (labeled *Ptilostreptus tarsus* cf. Notes) Dodoma Region, Mpapwa Distr., Wota FR, iv.1984, J. Kielland leg. (VMHN). KENYA: Mombasa, xii.1975, L. & T. Nielsen leg. (ZMUC).

Other records: KENYA: Salanka, Wassi (Krabbe 1982); Voi at the base of Taita Hills (Brolemann, 1920); Taita Hills (Mwabvu & VandenSpiegel, 2009).

Notes: *Ptilostreptus tersus* Cook, 1896, is a potential senior synonym, cf. Krabbe (1982).

***Macrolenostreptus* Attems, 1914**

This genus was revised by Hoffman & Howell (1996)

***Macrolenostreptus brachycerus* (Gerstaecker, 1873) (E)**

Figure 2B

*Spirostreptus brachycerus* Gerstaecker, 1873

*Ornithogonopus armatus* Verhoeff, 1941

*Macrolenostreptus brachycerus*: Hoffman & Howell (1996)

Tanzanian records: Zanzibar (TL); Tanga (Krabbe, 1982). Several sites in Tanga, Dar es Salaam, Coast (Pwani) and Lindi Regions, and Zanzibar (Hoffman & Howell, 1996).

Notes: Hoffman & Howell (1996) summarized the distribution of *M. brachycerus*: “Coastal Plain of Tanzania from vicinity of Tanga southward nearly to Kilwa, islands of Zanzibar and Mafia”.

***Macrolenostreptus orestes* Hoffman & Howell, 1996 (E)**

Tanzanian records: Morogoro Region, Kilombero Distr., Mwanihana FR, above Sanje (TL); Iringa Region, Udzungwa Scarp FR above Chita village; Iringa Region, Mufindii Distr., Uhafiwa village, Luhega (“Lubega”) Forest (Hoffman & Howell, 1996)

***Mardonius* Attems, 1914**

***Mardonius sculpturatus* Attems, 1914a (E)**

Tanzanian records: Kibwezi, Ukamba.

Notes: It is uncertain whether Kibwezi and Ukamba are different localities, and it is even doubtful that they are in Tanzania at all. There is a Tanzanian locality named Kibwesi in Arusha Region, at 3°21'S, 36°44'E and one named Ukamba in Singida Region at 3°56'S, 32°35'E, but there is also a place called Kibwezi in Kenya. “Ukamba” may also refer to “Ukambani”, the area where the waKamba people live.

***Microtrullius* Attems, 1950**

***Microtrullius uncinatus* (Attems, 1950) (E)**

*Epistreptus uncinatus* Attems, 1950

*Microtrullius uncinatus*: Krabbe (1982)

Tanzanian records: Iringa Region, Iringa Distr., Ruaha River Camp, Mwanyagi, 80 km W Iringa; Iringa Region, near Msembe; Iringa Region, Iringa Distr., Lukose River (Hoffman & Howell, 1995).

New material: 1 M, Iringa Region, Iringa Distr., Mt Image, 800 m riverine forest, 5.v.1990, T.C.E. Congdon *leg.* (VMNH); 1 M Iringa Region, Iringa Distr., Kitonga Gorge, Mahenge Village, 600 m, 12.iv.1982, J. Kielland *leg.* (VMNH); 1 M, Morogoro Region, Kilosa Distr., Ruaha Gorge, 236 km from Ngwasi along Mikami-Iringa road, 17.vi.1986, K.M. Howell *leg.* (VMNH); 1 M, KMH 2499 Tabora Region, Mahale Mt, Bilenge, halfway from Lake Tanganyika to Mt Pasagulu, D.A. Collins *leg.* (VMNH); 1 M, Singida Region, Kilimatinde, 22.iv.1984, C. Elliott *leg.* (VMNH).

Notes: The TL was given as Africa without further specification.

***Obelostreptus* Attems, 1909**

This genus was revised by Mwabvu & VandenSpiegel (2015).

***Obelostreptus proximospinosus* Krabbe, 1982 (E)**

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Amani (TL), see also Mwabvu & VandenSpiegel (2015).

New material: numerous specimens from E Usambara (Amani), Tanga Region, Lushoto Distr., W Usambara Mts (Mazumbai FR), and Uluguru Mts (Kimboza Forest, Lupanga East, Lupanga West, Mkungwe FR, Uluguru South FR) (ZMUC).

Notes: The genus *Obelostreptus* was originally referred to the family Spirostreptidae, was transferred to Harpagophoridae by Krabbe (1982) and back to the Spirostreptidae by Mwabvu & VandenSpiegel (2015).

***Odontostreptus* Attems, 1914*****Odontostreptus sjoestedti* (Porat, 1894)**

*Spirostreptus sjoestedti* Porat, 1894

*Odontostreptus sjoestedti*: Krabbe (1982)

Tanzanian records: Kagera Region, between Bukoba and Kahigis Dorf (Carl, 1909), “Kahigis Dorf” is in Uganda (Krabbe, 1982).

New material: 1 M, UGANDA: Budongo, 11.iv.1968, Schiøtz *leg.* (ZMUC).

Other records: CAMEROON: Itaki, Na N'Galo (TL). According to <http://www.diplopoda.de/html/species/odonto03/odonto03.php>, a website dedicated to millipedes and especially the keeping of millipedes, the species is distributed in Uganda, Cameroon, D.R. Congo and Rwanda.

***Otostreptus* Attems, 1910**

The species here referred to *Otostreptus* were treated under *Alloporus* Porat, 1872, by Krabbe (1982). Hoffman (1987b) revalidated *Doratogonus* Attems, 1914, for the majority of the species treated under *Alloporus* by Krabbe. *Doratogonus* was reviewed by Hamer (2000) who excluded *gilvitarisus* and *stylifer*, here treated under *Otostreptus* (type species *Spirostreptus stylifer*), as well as '*Spirostreptus*' *multiannulatus*, see below.

***Otostreptus gilvitarisus* (Attems, 1914)**

*Doratogonus gilvitarisus* Attems, 1914a

*Otostreptus gilvitarisus*: Hoffman (2000)

Tanzanian records: Zanzibar (TL).

New material: KENYA: 1 M, Tiwi S of Mombasa, 24.vi.1970, F. Rasmussen *leg.* (ZMUC); several specimens Sokoke Forest ca. 20 km S Malindi, 1979–1980, N. Scharff, F. Pagh Jensen & E. Wederkinch *leg.* (ZMUC). New for Kenya!

Notes: *Spirostreptus xanthodactylus* Gerstaecker, 1873 (TL: “Sansibar-Küste”), is a

possible senior synonym, but this remains to be established.

***Otostreptus stylifer* (Peters, 1855)**

*Spirostreptus stylifer* Peters, 1855

*Spirostreptus macrotis* Gerstaecker, 1873

*Spirostreptus cephalotes* Voges, 1878

*Spirostreptus fasciatus* Voges, 1878

*Otostreptus stylifer*: Schubart (1966)

Tanzanian records: Zanzibar (Gerstaecker 1873, Voges 1878).

New material: 3 M Pwani Region, Kisarawe Distr., Ruvu South FR, 06°57'27"S, 38°50'51"E. 240 m, 1.v.2001, Frontier Tanzania *leg.* (ZMUC); several specimens, same locality, ii. 1991, Frontier Tanzania *leg.* (VMNH); 1 M, Pwani Region, Bagamoyo Distr., Kiono Forest, Makange FR, ca. 50 km N Bagamoyo, iii.1990, Frontier Tanzania *leg.* (VMNH); 1 specimen, Pwani Region, Bagamoyo Distr., Pande FR between Kibaha and Bagamoyo, 27.xi.1989, Frontier Tanzania *leg.* (VMNH); 2 specimens, Pwani Region, Handeni Distr., Genda-Genda South Forest, 20 km SSE Segera, 29.vii. – 18.ix.1991, Frontier Tanzania *leg.* (VMNH); 2 specimens, Pwani Region, Kisarawe Distr., Kisiju-Dendana Forest, 7°21'40"S, 39°21'30"E, 2–10 m, dry evergreen forest, 19–25.xi.1992, Frontier Tanzania *leg.* (VMNH); 2 specimens, Pwani Region, Kisarawe Distr., Kazimbumbwe FR, 6°57'S, 39°03'E, i–ii.1991, Frontier Tanzania *leg.* (VMNH); 1 specimen, Pwani Region, Utete Distr., Matumbi uplands, Kiwengoma FR (8°19'–8°22'S, 38°54'–38°58'E), J.J. Kingdon *leg.* (VMNH); several specimens, Zanzibar Isl., Chuini village, iv.1979, D. Emmrich *leg.* (VMNH); 1 M, Dar es Salaam, Maze Hill, 10.xii.1970, K.M. Howell *leg.* (VMNH); 2 specimens, Pwani Region, Rufiji Distr., Mafia Island, near Mrera Village, evergreen forest on coral, 19–20.ii.1983, J.B. Hall & W.A. Rodgers *leg.* (VMNH); 1 M, Pwani Region, Kifuru Railway Station of Tazara Railway, 10.i.1978, K.M. Howell *leg.* (VMNH); 1 M, Morogoro Region, Selous Game Reserve, Kingupira, 24.iii.–30.iv.1986, C. Mlingwa *leg.* (VMNH).

Other records: MOZAMBIQUE: Matondo, Rios de Sena (TL).

***Plagiotaphrus* Attems, 1914**

***Plagiotaphrus sulcifer* Attems, 1914a**

Tanzanian records: Recorded as Tanzanian by Hoffman (2000) but without specific locality data. This record may be based on the sample mentioned under "New material".

New material: 2 M, Mtwara Region, Newala Distr., Mnyambe, in bushland, vi.1984, F. Omari *leg.* (VMNH).

Other records: EAST AFRICA: Chire (probably Shire in MALAWI) (TL); ZIMBABWE: Makuvatsine Secondary School, Guruve, 16°14'S, 30°38'E; Cirad Camp, Mushumbi, 16°S, 30°E; Mahuwe, Guruve, 16°39'S, 30°42'E (Mwabvu *et al.*, 2009b).

***Pseudotibiozus* Demange, 1970**

***Pseudotibiozus cerasopus* (Attems, 1914) (E)**

*Mardonius cerasopus* Attems, 1914a

*Pseudotibiozus cerasopus*: Demange (1970)

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Amani (Enghoff & Enghoff, 1976).

New material: 1 M, 1 j.M, Morogoro Region, Kilombero Distr., Udzungwa Mts, Mwanihana Forest above Sanje, 1000–1400 m, 1.15.viii.1982, M. Stoltze & N. Scharff *leg.* (ZMUC); 1 F Morogoro Region, Kanga Mts, Kanga FR, 400–500 m, lowland rain forest, 22–25.xi.1984, N. Scharff *leg.* (ZMUC); 1 M, Morogoro Region, Kanga Mts, 400 m, 23.xi.1984, M. Stoltze *leg.* (ZMUC).

Notes: Attems (1914a) gave the TL as East Africa without further specification.

***Rhaphidostreptus* Silvestri, 1910**

***Rhaphidostreptus bukobanus* (Attems, 1927)**

*Skytostreptus bukobanus* Attems, 1927

*Rhaphidostreptus bukobanus*: Demange (1971)

Tanzanian records: "Bukoba bei Usambara" (TL). This locality as stated by Attems does not make geographical sense; Bukoba is in Kagera Region, the Usambara Mountains are in Tanga Region.

Other records: D.R. CONGO: Bembi at the confluence of Uelé and Bomokandi rivers (Chamberlin, 1949), as *Zantekius weberi* Chamberlin, 1949, *cf.* Krabbe, 1982).

***Rhaphidostreptus virgator* (Silvestri, 1907)**

*Archispirostreptus virgator* Silvestri, 1907b

*Spirostreptus virgator*: Carl (1909)

*Rhaphidostreptus virgator*: Silvestri (1910a)

Tanzanian records: Kagera Region, Bukoba Distr., Bukoba, Ost-Ussuwi (Carl, 1909).

New material: 1 M, Kagera Region, Bukoba Distr., Bukoba, vii.1987, K.M. Howell *leg.* (VMNH); several specimens Kagera Region, Bukoba Distr., Bugabo 9 miles NE Bukoba, banana cultivation, viii.1982, M. Kalamera *leg.* (VMNH).

Other records: UGANDA: Ibanda, Entebbe, Toro, Fort Portal, Mikiana (Silvestri, 1907b, uncertain which of these is TL); several sites (Silvestri, 1910a); Budongo (Krabbe, 1982). RWANDA: E coast of Lake Kivu (Attems, 1910); D.R. CONGO: Kissenye, Haute Ituri (Attems, 1910); several sites (Attems, 1937a, 1953); Lwiro at Bukavu (Krabbe, 1982).

***Rondostreptus* Hoffman, 2011**

***Rondostreptus kiellandi* Hoffman, 2011a (E)**

Tanzanian records: Lindi Region, Lindi, Distr., Rondo Plateau (TL); Rondo FR.

***Sagmatostreptus* Hoffman & Enghoff, 2011**

***Sagmatostreptus strongylopygus* (Attems, 1950)**

*Spirostreptus strongylopygus* Attems, 1950

*Sagmatostreptus strongylopygus*: Hoffman & Enghoff (2011)

Tanzanian records: Tanga Region, W. Usambara Mts (TL); Tanga Region, Muheza Distr, E Usambara Mts, Amani (Enghoff & Enghoff, 1976; Krabbe, 1982); Tanga Region, E Usambara Mts, several sites; Morogoro Region, Morogoro Distr., Kasanga FR; South Uluguru Mountains, SW of Matombo; Morogoro Region, Morogoro Distr., Nguru Mountains; Morogoro Region, Mvomero Distr., Kanga Mt.; Pwani Region, Kisarawe Distr., Pugu FR (Hoffman & Enghoff, 2011).

Other records: KENYA, Shimba Hills (Krabbe, 1982).

***Sechelleptus* Mauriès, 1980**

Krabbe (1982) presented a modern concept of this genus under the name of *Rubanostreptus* Krabbe, 1982, a junior synonym of *Sechelleptus* (Golovatch & Korsós, 1992). One of the four following species has not previously been formally combined with *Sechelleptus*.

***Sechelleptus anulatus* (Attems, 1914)**

*Scaphiostreptus anulatus* Attems, 1914a

*Sechelleptus anulatus*: Enghoff (2003).

Tanzania records: Zanzibar (TL)

Other records: A subspecies *S. angulatus nanus* Attems, 1914a, has been described from MADAGASCAR, Tiherena.

***Sechelleptus argus* (Attems, 1896)**

*Spirostreptus argus* Attems, 1896

*Sechelleptus argus*: Enghoff (2003)

Tanzanian records: Zanzibar (TL)

Other records: MADAGASCAR, Prov. Imerina, Sikora (Saussure & Zehntner, 1902, as *Spirostreptus ambulator* Saussure & Zehntner, 1902); Sahana (Attems, 1914a, as *Scaphiostreptus argus*).

***Sechelleptus piesthopygus* (Attems, 1914), n. comb. (E)**

*Scaphiostreptus piesthopygus* Attems, 1914a

Tanzanian records: Zanzibar (TL).

Note: The holotype bears a label "Madagascar", casting doubt over the origin of the specimen (Krabbe, 1982).

***Sechelleptus pyrhozonus* (Gerstaecker, 1873)**

*Spirostreptus pyrhozonus* Gerstaecker, 1873

*Sechelleptus pyrhozonus*: Enghoff (2003)

Tanzanian records: Zanzibar (TL).

Other records: MADAGASCAR: Nossi Bé; NW and W Madagascar (several authors, see Krabbe, 1983).

**'*Spirostreptus*' sensu auctorum**

Hoffman *et al.* (2001) clarified the status of the genus name *Spirostreptus* Brandt, 1833 which correctly can be applied only to a handful of S. African species (Mwabvu *et al.*, 2009a). A large number of species which have been assigned to *Spirostreptus* are currently left orphaned, there being no other available genus name for them.

**'*Spirostreptus*' hamatus Demange, 1977 (E)**

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Amani (TL). Also recorded from Amani by Krabbe (1982).

New material: numerous samples from E Usambara, W Usambara, Ulugurus and Udzungwa Mts (ZMUC, VMNH).

**'*Spirostreptus*' multiannulatus Carl, 1909**

Tanzanian records: Kagera Region, Bukoba/Karagwe Distr., bushland between Kagera and the Mabira camp in S Karagwe (TL).

New material: 3 specimens Mbeya Region, Chianje, Tukuju, 850 m, 30.iii.1987, T.C.E. Congdon *leg.* (VMNH); 3 specimens Mwanza Region, Saa Nane Island Game Reserve, Lake Victoria, v.1980, C. Make *leg.* (VMNH).

Other records: D.R. CONGO, Katanga, Esschen, Kapalowe (Attems 1934).

Notes: This species has been referred to the S. American nominal genus *Pemptoporus* Attems, 1914a (Demange, 1970) and to *Doratogonus* in several papers by Attems, but it was excluded from the latter genus by Hamer (2000) and is currently orphaned.

**'*Spirostreptus*' semilunaris Peters, 1855**

Tanzanian records: Tanga Region, Lushoto Distr. Usambara Mts, Lewa (Attems 1896, as *Spirostreptus macrotis* Gerstaecker, 1873); Arusha Region, Arusha area, N'tuwangeri S of Umbugwe; Arusha (Krabbe 1982).

New material: 1 M, Pwani Region, Rufiji Distr., Kiwengoma FR, Matumbi Hills, S of Utete, >1000 ft, ii.1990, Frontier Tanzania *leg.* (VMNH); 1 M, Morogoro Region, Kilombero Distr., Magombera FR, iii.1980, J. Kielland *leg.* (VMNH); 1 M, Iringa Distr., Ruaha River Camp, 28.xii.1982, V. Baker & K.M. Howell *leg.* (VMNH); 1 M, Lindi Region, Lindi Distr., Rondo Plateau, 800 m, thick forest, J. Kielland *leg.* (VMNH).



Other records: MOCAMBIQUE, Tete, Rios de Sena (TL); Quelimane, N Zambezi (Attems, 1896, as *Spirostreptus macrotis* Gerstaecker, 1873).

***Thiangetastreptus* Mwabvu & VandenSpiegel, 2005**

***Thiangetastreptus montanus* (Attems, 1909)**

*Spirostreptus montanus* Attems, 1909

*Thiangetastreptus montanus*: Mwabvu & VandenSpiegel (2005)

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro, Siha Distr., Kobong'oto ("Kibonoto"), (TL).

Other records: KENYA: Ngaia Forest, 0°27'S, 37°80'E, 1415 m (Mwabvu & VandenSpiegel, 2005).

**POLYDESMIDA**

**Ammodesmidae**

***Elassystemma* Hoffman & Howell, 1981**

Several Tanzanian samples of *Elassystemma* are available but it is uncertain how many species are involved. VandenSpiegel & Golvoatch (2004) described three species of *Elassystemma* from the Taita Hills in Kenya (one of these was also recorded from Malawi), and there is no reason to believe that the genus is less diverse in the Tanzanian mountains.

***Elassystemma pongwe* Hoffman & Howell, 1981b (E)**

Tanzanian records: Pwani Region, Bagamoyo Distr., Pongwe Mountain (TL)

**Chelodesmidae**

***Callistocilla* Hoffman, 1977**

***Callistocilla cingulata* Hoffman, 2005b (E)**

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Kwamgumi FR, 38°44'E, 4°57'S (TL). Tanga Region, Muheza Distr., Amani-Sigi FR, 5°07'S, 39°39'E (Hoffman, 2005b).

***Callistocilla dolorotrix* Hoffman, 2005b (E)**

Tanzanian records: Morogoro Region, Kilombero Distr., Udzungwa Mts, Mwanihana FR above Sanje (TL).

Note: Hoffman recorded a female *C. cf. dolorotrix* from Pwani Region, Kisarawe Distr., Pugu FR.

***Morphotelus* Chamberlin, 1952**

***Morphotelus mareesi* (Carl, 1909) (E)**

*Cordyloporus mareesi* Carl, 1909

*Morphotelus mareesi*: Chamberlin (1952).

Tanzanian records: Kagera Region, Karagwe and Biharamulo Distr., from Kagera through the southern coner of Karagwe to Mabira; Mabira-Njarowungu in Ussuwi. Selection of one of these sites as type locality requires designation of a lectotype for this name.

***Mesodesmus* Carl, 1909**

***Mesodesmus roccati* (Silvestri, 1907)**

*Scaptodesmus Roccati* Silvestri, 1907a

*Mesodesmus roccati*: Carl (1909)

Tanzanian records: Kagera Region, Bukoba to Biharamulo Distr., Bukoba; between Bukoba and Kahigis (Carl, 1909).

Other records: UGANDA: Toro (TL)

***Mesodesmus rugifer* (Silvestri, 1907)**

*Scaptodesmus rugifer* Silvestri, 1907a

*Mesodesmus rugifer*: Carl (1909)

Tanzanian records: Kagera Region, Mabira to Njarowungo (Ussuwi) (Carl, 1909).

Other records: UGANDA: Cotende (TL).

***Morogorius Verhoef*, 1941**

***Morogorius pallidus* Verhoeff, 1941 (E)**

Tanzanian records: Morogoro Region, Morogoro (TL).

Verhoeff (1941) gave the TL as “Bei Morogoro am Tanganyika-See” but Morogoro is far from Lake Tanganyika.

***Tanzaniella Hoffman*, 1977**

***Tanzaniella howelli* Hoffman, 1977 (E)**

Tanzanian records: Pwani Region, Kisarawe Distr., Pugu Forest Reserve near Dar es Salaam, 39°05'E, 6°53'S (TL).

Notes: details of the locality added by KMH who collected the holotype.

**Cryptodesmidae**

***Elythesmus Hoffman*, 1978**

***Elythesmus enghoffi* Hoffman, 1978a (E)**

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Amani, Monga (TL).

New material: several samples of this and/or closely related species from E Usambara, W Usambara, Ulugurus, Udzungwa and Kanga Mts, various collectors (ZMUC).

**Gomphodesmidae**

Figure 1C

This endemic Afrotropical family was monographed recently (Hoffman 2005a). The Tanzanian gomphodesmid fauna is far better known than any other within the range of this strictly African taxon, with 64 species dispersed through 28 genera, 18 of them endemic to the country.

***Agrophogomphus Hoffman*, 2005**

***Agrophogomphus harrisi* (Verhoeff, 1941) (E)**

*Gomphodesmus harrisi* Verhoeff, 1941

*Agrophogomphus harrisi*: Hoffman (2005a)

Tanzanian records: Morogoro Region, Mountains near Morogoro (TL).

Notes: Verhoeff (1941) gave the TL as “Gebirge bei Morogoro am Tanganyika-See” but Morogoro is far from Lake Tanganyika.

***Agrophogomphus kiellandi* Hoffman, 2005a (E)**

Tanzanian records: Iringa Region, Mahenge Distr., Udzungwa Mts, ca. 70 km E of Iringa, Mt. Nyumbenito, 2000 m (TL).

***Agrophogomphus mwanihana* Hoffman, 2005a (E)**

Tanzanian records: Morogoro Region, Kilombero Distr., Udzungwa Mts, Mwanihana FR, Sanje River valley (TL).

***Agrophogomphus mangalisa* Hoffman, 2005a (E)**

Tanzanian records: Dodoma Region, Mpwapwa Distr., Rubeho Mts, ca. 48 km W of Kilosa, Mangalisa Peak, 2100 m (TL).

***Agrophogomphus tridens* Hoffman, 2005a (E)**

Tanzanian records: Morogoro Region, Morogoro Distr., Mindu Mt. ca. 12 km N of Morogoro, 200 m (TL).

***Astrodesmus* Cook, 1896b (E)*****Astrodesmus hirsutipes* Verhoeff, 1941**

Tanzanian records: "Lake Tanganyika" (= "Tanganyikasee") (TL). The locality as given by Verhoeff is probably erroneous (Hoffman, 2005a).

***Astrodesmus laxus* (Gerstaecker, 1873)**

*Eurydesmus laxus* Gerstaecker, 1873

*Astrodesmus laxus*: Cook (1899)

Tanzanian records: Numerous records from NE Tanzania, south to Dodoma Region (Hoffman, 2005a).

Other records: KENYA: Mombasa (TL). Tiwi Beach S of Mombasa (Hoffman, 2005a).

Notes: Hoffman (2005a) recognized six subspecies of *A. laxus*, all of which occur in Tanzania, viz., *A. laxus laxus*, *A. l. horticulus* (Kraus, 1958a), *A. l. kiellandi* Hoffman, 2005, *A. l. mikumi* Hoffman, 2005, *A. l. petilus* Cook, 1899, and *A. l. tanga* Cook, 1899.

***Astrodesmus noduliger* Verhoeff, 1941 (E)**

Tanzanian records: Morogoro Region, Mountains near Morogoro (TL).

Notes: Verhoeff (1941) gave the TL as "Gebirge bei Morogoro am Tanganyika-See" but Morogoro is far from Lake Tanganyika.

***Astrodesmus stellifer* Cook, 1896b**

Tanzanian records: Kilimandjaro Region, Pare Distr., Mkomazi Game Reserve (Hoffman, 2005a: questionable record).

Other records: KENYA: Coast Province, Tana River, between the coast and Hameye (TL); Mombasa; Voi (Hoffman, 2005a).

***Astrodesmus ussagaranus* Attems, 1912b (E)**

Tanzanian records: Morogoro Region, Kilosa Distr., SW Ussagara (TL).

***Aulodesmus* Cook, 1896b*****Aulodesmus eminens* (Attems, 1929)**

*Gomphodesmus eminens* Attems, 1929

*Aulodesmus eminens*: Hoffman (1966)

Tanzanian records: Mbeya Region, Chunya distr., 1 mile NW Chunya; Mbeya Region, Mbeya Rural Distr., W of Mt. Mbeya (Hoffman, 1984).

Other records: D.R. CONGO: Katanga Prov., Lukonzolwa (TL); Mwera (Elisabethville); 8 miles SE Pweto; ZAMBIA: 17 miles SW of Muyombe (Hoffman, 1984).

***Aulodesmus mossambicus* (Peters, 1855)**

*Polydesmus mossambicus* Peters, 1855

*Aulodesmus mossambicus*: Cook, 1896b

*Aulodesmus laticollis* Attems, 1928: Manfredi (1949)

Tanzanian records: Mtwara Region, Masasi Distr., near Masasi (Manfredi, 1949); Lindi Region, Lindi distr., Tendaguru fossil beds (Hoffman, 1984); Mtwara Region, Masasi Distr., Halfway between Masasi and Tundurua, at highway A-19 (Hoffman, 2005a).

Other records: MOZAMBIQUE: Mozambique island (TL). Several sites in Mozambique, Zimbabwe, and Malawi (Hoffman, 1984).

***Aulodesmus perarmatus* Hoffman, 1966**

Tanzanian records: Lindi Region, Lindi Distr., Tendaguru fossil beds; Mtwara Region, Mtwara Distr., Mikindani (Hoffman, 1984).

Other records: MOZAMBIQUE, Cabo Delgado Prov., Nangororo Farm near Porto Amelia (TL); near Moçimba da Praia; ZIMBABWE: Burma Valley, Umtali (Hoffman, 1984).

***Clastrotylus* Hoffman, 2005**

***Clastrotylus luridus* (Karsch, 1881)**

*Eurydesmus luridus* Karsch, 1881

*Clastrotylus luridus*: Hoffman (2005a)

Tanzanian records: Tanga Region, Handeni Distr., Segera (?) (Hoffman, 2005a).

Other records: KENYA: Mombasa (TL); Kajiado, SSW of Nairobi; Athi, Athi Plains; 22 miles S of Kajiado (Hoffman, 2005a).

***Clastrotylus sjoestedti* Hoffman, 2005a (E)**

*Sphenodesmus rugulosus*: Attems (1909)

Tanzanian records: Kilimanjaro Region, Mwangi Distr., N Pare Mts, Mkomazi Game Reserve, Iyaya Camp (TL); Kilimanjaro Region, Mt. Kilimanjaro, Siha Distr., Kobong'oto ("Kibonoto"), 1000–1900 m (Attems, 1909).

***Elaphogonus* Attems, 1909**

***Elaphogonus carneus* Attems, 1909 (E)**

Tanzanian records: Arusha Region, Meru Valley, on W side of the mountain (NE of Arusha) (TL).

***Elaphogonus crenulatus* Hoffman, 2005a (E)**

Tanzanian records: Kilimanjaro Region, Mwangi Distr., N Pare Mts, Mlamba, 1400 m (TL).

***Emphysemastix* Hoffman, 1966**

***Emphysemastix congdoni* Hoffman, 2005a (E)**

Tanzanian records: Iringa Region, Njombe Distr., Ndumbi River Gorge ca. 8 km NW of Njombe (TL).

***Emphysemastix flavosignatus* (Carl, 1909) (E)**

*Euryzonus flavosignatus* Carl, 1909

*Emphysemastix flavosignatus*: Hoffman (1966)

Tanzanian records: Kagera Region, "West Lake Distr.", between Kagera and Nyarabungo (TL). Several sites in West Lake, Mwanza, Mara, Kigoma, Rukwa, Taboa and Shinyanga "Regions" (Hoffman, 2005a).

***Emphysemastix image* Hoffman, 2005a (E)**

Tanzanian records: Iringa Region, Image Mt. ca. 50 km SE of Iringa (TL); Iringa Region, Iringa rural distr., Mazombe, 20 miles W of Iringa (Hoffman, 2005a).

***Emphysemastix magnifrater* Hoffman, 2005a (E)**

Tanzanian records: Iringa Region, Image Mt. ca. 50 km SE of Iringa (TL).

***Emphysemastix trepidans* (Attems, 1931) (E)**

*Aulodesmus trepidans* Attems, 1931

*Emphysemastix trepidans*: Hoffman 1966

Tanzanian records: Arusha Region, Babati Distr., Ufiomi (near Tarangire N.P., ca. 100 km SW Arusha) (TL); Iringa Region, Ruaha Rover Camp, 7°50'S, 34°55'E (Hoffman, 2005a).

***Emplectomastix* Hoffman, 2005**

***Emplectomastix mirabilis* Hoffman, 2005a (E)**

Tanzanian records: Pwani Region, Utete Distr., Matumbi uplands, Kiwengoma FR (8°19'–8°22'S, 38°54'–38°58'E) (TL).

***Endecaporus* Brolemann, 1920**

***Endecaporus seclusus* Brolemann 1920 (E)**

Tanzanian records: Zanzibar, Mwera Distr., Haitajwa (TL).

***Endecaporus howelli* (Hoffman, 1983) (E)**

*Schalidogomphus howelli* Hoffman, 1983

*Endecaporus howelli*: Hoffman (2005a)

Tanzanian records: Dar es Salaam (TL).

***Erythranassa* Hoffman & Howell, 1987*****Erythranassa saucra* Hoffman & Howell, 1987 (E)**

Tanzanian records: Pwani Region, Kisarawe Distr., Kisarawe, Pugu FR (TL); several sites from Dar es Salaam south to about 8°25'S, including Mafia Island (Hoffman & Howell, 1987; Hoffman, 2005a).

***Euporogomphus* Hoffman, 2005*****Euporogomphus iboma* Hoffman, 2005a (E)**

Tanzanian records: Iringa Region, Njombe Distr., Iboma Forest, 2000 m (TL).

***Eochopyge* Hoffman, 2005*****Eochopyge phoenicia* Hoffman, 2005a (E)**

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Kwamgumi FR (38°44'E, 4°57'S) (TL); Tanga Region, Muheza Distr., E Usambara Mts, Amani; Tanga Region, Muheza Distr., E Usambara Mts, Mtai FR (Hoffman, 2005a).

New material: numerous specimens, Tanga Region, Muheza Distr., Nilo FR, 800–1230 m, 2000–2001, Frontier Tanzania *leg.* (ZMUC).

***Eochopyge spatulata* Hoffman, 2005a (E)**

Tanzanian records: Tanga Region, Muheza Distr., Amani-Sigi FR (TL); Tanga Region, Muheza Distr., Magrotto Estate (5°07'S, 38°45'E); Tanga Region, Muheza Distr., Sigi River near Amani (Hoffman, 2005a).

***Gomphodesmus* Cook, 1896b*****Gomphodesmus castaneus* Cook, 1896b (E)**

Tanzanian records: “Tanga, Usambara” (TL); Tanga Region, Muheza Distr., E Usambara Mts, Amani; Tanga Region, Muheza Distr., Amani-Zigi FR (Hoffman, 2005a).

New material: 1 M, Tanga Region, Muheza Distr., Nilo FR, 1060 m, 2000, Frontier Tanzania *leg.* (ZMUC).

***Hapsidodesmus* Hoffman, 2005*****Hapsidodesmus atriclavius* Hoffman, 2005a (E)**

Tanzanian records: Tanga Region, Lushoto Distr., Mazumbai Estate *ca.* 16 km E Lushoto (TL).

***Hapsidodesmus kambai* Hoffman, 2005a (E)**

Tanzanian records: Tanga Region, Muheza Distr., Kambai FR (4°59'S, 38°41'E) (TL).

***Hapsidodesmus rutilatus* Hoffman, 2005a (E)**

Tanzanian records: Tanga Region, Muheza Distr., Amani, 1000 m (TL).

New material: numerous specimens, Tanga Region, Muheza Distr., Nilo FR, 820–1240 m, 2000–2001, Frontier Tanzania *leg.* (ZMUC).

***Ionidesmus* Hoffman, 2005*****Ionidesmus extortus* Hoffman, 2005a (E)**

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts, Munga FR (5°02'S, 38°49'E) (TL); Tanga Region, Muheza Distr., E Usambara Mts, Kambai FR (4°59'S, 38°41'E) (Hoffman, 2005a).

***Kilimagomphus* Hoffman, 2005*****Kilimagomphus massaiensis* (Attems, 1938) (E)**

*Harmodesmus massaiensis* Attems, 1938

*Kilimagomphus massaiensis*: Hoffman, 2005a

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro, Siha Distr., Kobong'oto ("Kibonoto"), (TL).

***Masaigomphus* Hoffman, 2005**

***Masaigomphus karenae* Hoffman, 2005a**

Tanzanian records: Arusha Region, Munduli Distr., Mt. Longido, 1700 m (Hoffman, 2005a).

Other records: KENYA: Ngong Hills SW of Nairobi (TL); Athi River; Namanga; Kaijado, 22 miles S of Kaijado (Hoffman, 2005a).

***Merodesmus* Cook, 1897a**

***Merodesmus compactilis* (Gerstaecker, 1873)**

*Eurydesmus compactilis* Gerstaecker, 1893

*Astrodesmus compactilis*: Brolemann (1920)

*Merodesmus compactilis*: Cook (1897a)

Tanzanian records: Tanga Region, Tanga (Brolemann, 1920); Kilimanjaro Region, Mt. Kilimanjaro (Hoffman, 1987a); Kilimanjaro Region, Same Distr., Mkomazi Game Reserve (Hoffman, 2005a).

Other records: KENYA: Zanzibar, Mombasa (TL) (see "Material and methods" concerning problems with the locality name "Zanzibar"); Tsavo N. P.; Teita Distr., 11 miles S of Maktau; 3 miles E of Maktau; Kwale Distr., 11 km W of Kinango (Hoffman, 1987); Taru 65 km NW of Mombasa (Hoffman, 2005a).

***Mitumbagomphus* Hoffman, 2005**

***Mitumbagomphus ferus* (Attems, 1929)**

*Gomphodesmus ferus* Attems, 1929

*Mitumbagomphus ferus* Hoffman (2005a)

Tanzanian records: Kigoma Region, Kigoma Distr., near Mufumbosi River, 10 km S of Uvinza (Hoffman, 2005a).

Other records: D.R. CONGO: Katanga Province, Lukonzolwa and Luanza (TL); Katanga Province, 10 miles S of Kapona (Hoffman, 2005a).

***Mitumbagomphus katavi* Hoffman, 2005a (E)**

Tanzanian records: Rukwa Region, Mranda Distr., Usevia (ca. 7°09'E, 37°25'E) (TL).

***Mitumbagomphus terreus* (Attems, 1929)**

*Aulodesmus terreus* Attems, 1929

*Mitumbagomphus terreus*: Hoffman (2005a)

Tanzanian records: Rukwa Region, 48 miles SW of Sumbawanga; Kigoma Region, Kigoma Distr., near Mufumbosi River, 10 km S of Uvinza (Hoffman, 2005a).

Other records: D.R. CONGO, Katanga Province, Kinda (TL); Katanga Province, Luashi; several sites in Upemba NP (Kraus, 1958b).

***Ngurubates* Hoffman, 2005**

***Ngurubates emmrichi* Hoffman, 2005a (E)**

Tanzanian records: Morogoro Region, Morogoro Distr., Nguru Mts, Dirue River gorge (TL).

***Ngurubates kanga* Hoffman, 2005a (E)**

Tanzanian records: Morogoro Region, Kanga Mts, Kanga FR 400–500 m (TL).

***Pogoro* Hoffman, 2005**

***Pogoro scharffi* Hoffman, 2005a (E)**

Tanzanian records: Iringa Region, Mufindi Distr., Udzungwa Scarp Forest Reserve above Chita (TL).

***Protastrodesmus* Hoffman, 2005*****Protastrodesmus planus* Hoffman, 2005a (E)**

Tanzanian records: Tanga Region, along Uмба River (TL).

***Protilygmagon* Hoffman, 2005*****Protilygmagon cantabrigia* Hoffman, 2005a (E)**

Tanzanian records: Morogoro Region, Kilosa Distr., Ukaguru Mts, 1500 m (TL).

***Protilygmagon kanga* Hoffman, 2005a (E)**

Tanzanian records: Morogoro Region, Morogoro Distr., Kanga Mts, Kanga FR (ca. 6°00'S, 37°40'E) (TL).

***Schizogomphodesmus* Brolemann, 1920*****Schizogomphodesmus longispina* Brolemann, 1920**

Tanzanian records: Arusha Region, Arusha Distr., Longida Mt. (Hoffman, 2005a)

Other records: KENYA, Naivasha (TL). Nairobi (Hoffman, 2005a).

***Sphenodesmus* Cook, 1896b*****Sphenodesmus kingdoni* Hoffman, 2005a (E)**

Tanzanian records: Lindi Region, Kilwa Distr., Kipatimu (8°29'S, 38°56'E) (TL).

***Stenotylogma* Hoffman, 2005*****Stenotylogma nasmodes* Hoffman, 2005a (E)**

Tanzanian records: Dodoma Region, Mpwapwa Distr., Rubeho Mts, 5 km S of Mpwapwa (TL).

***Tycodesmus* Cook, 1896b*****Tycodesmus macropus* Hoffman, 2005a (E)**

Tanzanian records: Dodoma Region, Mpwapwa Distr., Rubeho Mts, Kumusi, 1300 m (TL); Dodoma Region, Dodoma Distr., Rubeho Mts, Chugu Mountain, 1750 m (Hoffman, 2005a).

***Tycodesmus medius* Cook, 1896b (E)**

Tanzanian records: Dodoma Region, Mpwapwa Distr., Mpwapwa (= "Mpapua") (TL).

***Tycodesmus parvulus* Hoffman, 2005a (E)**

Tanzanian records: Dodoma Region, Hanang distr., 2 miles SW Katesh on Rte B143 (TL).

***Uluguria* Hoffman, 1964*****Uluguria frontilecta* Hoffman, 2005a (E)**

Tanzanian records: Tanga Region, Muheza Distr., Magrotto Hill (TL), 5°07'S, 38°45'E.

***Uluguria neglecta* Hoffman, 1964 (E)**

Tanzanian records: Morogoro Region, Morogoro Distr., Uluguru Mts, near Morogoro (TL); Pwani Region, Bagamoyo Distr., Kiono FR (Hoffman, 2005a).

***Uluguria paucipora* Hoffman, 2005a (E)**

Tanzanian records: Pwani Region, Kisarawe Distr., Kazimzumbwi FR, 6°57'S, 39°03'E (TL).

***Usambaranus* Hoffman & Howell, 1984*****Usambaranus stuarti* Hoffman & Howell, 1984 (E)**

Tanzanian records: Tanga Region, Lushoto Distr., Mahezungulu FR (4°56'S, 38°30'E) (TL); Tanga Region, Korogwe Distr., Ambangulu Estate; Tanga Region, Lushoto Distr., Balangai FR (Hoffman & Howell, 1984; Hoffman, 2005a).

**Haplodesmidae*****Cylindrodesmus* Pocock, 1889*****Cylindrodesmus hirsutus* Pocock, 1899*****Cylindrodesmus laniger* Schubart, 1944: Enghoff (1978)**

Tanzanian records: Tanga Region, Muheza Distr., E Usambara Mts: Amani (Enghoff, 1978)

Other records: Mostly known from tropical islands: Christmas Isl., Palmyra Isl., Hawaii, New Caledonia, Amboina, Java, Sumba, Cape Verde Islands, Seychelles. Continental records other than that from Tanzania, include Singapore, Panama and Surinam (Golovatch *et al.* 2001). Also known from European greenhouses (Golovatch *et al.*, 2000).

Notes: *C. laniger* was synonymized with *C. hirsutus* by Golovatch *et al.* (2001). Its wide distribution is certainly due to anthropochory. Some populations are parthenogenetic (Enghoff, 1978; Golovatch *et al.*, 2000).

***Prosopodesmus Silvestri, 1910***

***Prosopodesmus jacobsoni Silvestri, 1910b***

*Prosopodesmus jacobsoni hilaris* Brolemann, 1920

Tanzanian records: Zanzibar, Mkokotoni Distr., Mangapwani Cave (TL of ssp. *hilaris* Brolemann 1920).

Other records: JAVA (TL). *P. jacobsoni* is a widespread tropical 'tramp' species which has been recorded from Brazil (Schubart, 1947), the Cape Verde Islands (S. Antão and Santiago Isl., Enghoff, 1993), S. India, USA (Hawaii, Florida, Louisiana), Haiti, Puerto Rico, Jamaica, St. Eustatius, Panama, Ecuador (Galapagos Islands) (Hoffman, 1999; Shelley & Golovatch, 2000), Taiwan (Golovatch *et al.*, 2011), Fiji, W. Samoa, Solomon Islands (Nendo Isl.), Barbados (HE unpublished, material in ZMUC).

**Oxydesmidae**

Figure 1D, 1E

This family was revised more than two decades ago (Hoffman, 1990), and since that time only a few additions to the known Tanzanian fauna have been made. Hoffman (1993) presented a table showing the distribution of oxydesmid species among Tanzanian mountain massifs. The evolution of genera specific to certain mountain ranges is a noteworthy aspect of the family.

***Allocotoproctus Hoffman, 1990***

***Allocotoproctus stoltzei Hoffman, 1990 (E)***

Tanzanian records: Morogoro Region, Morogoro Rural Distr., Uluguru Mts, Lupunga East FR, 1600 m (TL).

***Allocotoproctus svendseni Sørensen, 1997 (E)***

Tanzanian records: Morogoro Region, Morogoro Distr., Uluguru Mts, between Lanzi (7°05'S, 37°41'E) and the northern part of the Lukwangula Plateau (TL).

***Ceratodesmus Cook, 1896***

***Ceratodesmus ansatus Cook, 1896a***

*Ceratodesmus ansatus ansatus*: Hoffman (1990)

*Ceratodesmus ansatus hesperus* Hoffman, 1990

*Ceratodesmus ansatus nguruensis* Hoffman, 1990

Tanzanian records: "Tanga, Usambara" (TL); Bumbuli; Tanga Region, Muheza Distr., Amani (Hoffman, 1967); Tanga Region, Lushoto Distr., W Usambara Mts, Mazumbai Natural FR (Hoffman, 1976); Tanga Region, Muheza Distr., E Usambara Mts, Amani (Enghoff & Enghoff, 1976; Hoffman, 1990); Tanga Region, Korogwe Distr., W Usambara Mts, Ambangulu Estate (TL of *C. ansatus hesperus*); Morogoro Region, Morogoro Distr., Nguru Mts, near Maskati (8°19'–8°22'S, 38°54'–38°58'E), 1200 m (TL of *C. ansatus nguruensis*).

New material: several specimens Morogoro Region, Kanga Mts, Kanga FR, 400–500 m, lowland rain forest, 22–25.xi.1994, N. Scharff *leg.* (ZMUC); 1 M, Tanga Region, Muheza Distr., Nilo FR, 1240 m, 2001, Frontier Tanzania *leg.* (ZMUC).



Other records: KENYA: “Mweru” (Hoffman, 1976); this record was regarded dubious by Hoffman & Howell (1980) and Hoffman (1990).

Notes: The specimens from Kanga Mts would probably qualify for a separate, new subspecies (but *cf.* Jorgensen *et al.*, 2012).

***Ceratodesmus coriarius* Hoffman & Howell, 1980 (E)**

*Ceratodesmus coriarius coriarius*: Hoffman (1990)

*Ceratodesmus coriarius angusticlavius* Hoffman, 1990

Tanzanian records: Tanga Region, Lushoto Distr., W Usambara Mts, Mazumbai FR (TL); Lushoto distr., W Usambara Mts, Shume-Magamba FR NW Lushoto, 7200 ft (TL of *C. coriarius angusticlavius*).

***Ceratodesmus cristatus* (Cook, 1896)**

*Phobodesmus cristatus* Cook, 1896a, Hoffman (1965a), Demange (1977)

*Orodesmus cristatus*: Attems (1909), Brolemann (1920)

*Ceratodesmus cristatus*: Hoffman (1967)

Tanzanian records: “Tanga, Usambara”, Darema (TL); Tanga Region, Mkulumuzi/Kulumuzi Caves (Attems, 1909; Brolemann, 1920); Tanga Region, Korogwe Distr., Usambara Mts, Lutindi (Hoffman, 1965a); Tanga Region, Muheza Distr., Amani (Hoffman, 1967); Tanga Region, Muheza Distr., E Usambara Mts, Amani (Enghoff & Enghoff, 1976; Demange, 1977); Pwani Region, Bagamoyo Distr., Pongwe FR (Hoffman & Howell, 1980).

New material: 3 M 3 F, Tanga Region, Muheza Distr., Kwamgumi FR, 4°57'S, 38°44'E, 170–220 m, vii.1995, L. Sørensen *leg.* (ZMUC); several specimens Morogoro Region, Kanga Mts, Kanga FR, 400–500 m, lowland rain forest, 22–25.xi.1994, N. Scharff *leg.* (ZMUC); several specimens, Tanga Region, Muheza Distr., Nilo FR, 820–1230 m, 2000–2001, Frontier Tanzania *leg.* (ZMUC).

Other records: KENYA, Kwale Distr., Kwale (Hoffman, 1967); Shimba Hills (Enghoff & Enghoff, 1976).

Notes: The record from Lutindi (Hoffman, 1965a) is erroneous (Hoffman, 1990).

***Ceratodesmus eburatus* Hoffman, 1990 (E)**

Tanzanian records: Pwani Region, Bagamoyo Distr., Pongwe FR, *ca.* 6°18'S, 38°14'E, 16 km W Msata, (TL).

***Ceratodesmus fraterculus* Hoffman & Howell, 1980 (E)**

Tanzanian records: Tanga Region, Lushoto Distr., W Usambara Mts, Mazumbai FR, 6300 ft (TL); Lushoto Distr., Balangai FR *ca.* 23 km NNW Korogwe (Hoffman, 1990).

***Ceratodesmus gracilior* Hoffman, 1990 (E)**

Tanzanian records: Morogoro Region, Kilosa Distr., Nguru Mts, Mkombola, 1200 m (TL).

***Ceratodesmus magamba* Hoffman, 1990 (E)**

Tanzanian records: Lushoto Distr., Shume-Magamba FR, 7000 ft (TL).

***Ceratodesmus mazumbai* Hoffman, 1976 (E)**

Tanzanian records: Tanga Region, Lushoto Distr., W Usambara Mts, Mazumbai FR (TL).

***Ceratodesmus msuyai* Hoffman, 1990 (E)**

Tanzanian records: Tanga Region, Korogwe Distr., Ambangulu Estate 10, *ca.* 05°03'S, 38°25'E, 10 km NW Korogwe (TL).

***Ctenodesmus* Cook, 1896a**

***Ctenodesmus basilewskyi* Hoffman, 1990 (E)**

Tanzanian records: Kilimanjaro Region, Moshi distr., Mt. Kilimanjaro, Marangu, SE slope, 1800–2200 m (TL).

***Ctenodesmus kibonotanus* (Attems, 1909) (E)**

*Nodorodesmus kibonotanus* Attems, 1909

*Ctenodesmus kibonotanus*: Hoffman (1965a)

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro, Siha Distr., Kobong'oto ("Kibonoto"), (TL).

***Ctenodesmus pectinatus* (Karsch, 1881)**

*Polydesmus pectinatus* Karsch, 1881

*Ctenodesmus pectinatus*: Cook (1896a)

*Orodesmus pectinatus*: Attems (1899), Brolemann (1920)

*Orodesmus pectinatus* var. *octocentrus* Brolemann, 1920

*Ctenoiulus octocentrus*: Hoffman (1965a)

Tanzanian records: Tanga Region, Tanga (TL of var. *octocentrus*); Tanga Region, Mkulumuzi (=Amboni) Caves near Tanga (Hoffman, 1976).

New material: 1 F, Tanga Region, Muheza Distr., Kwamgumi FR, 4°57'S, 38°44'E, 170–220 m, 15. vii.1995, L. Sørensen *leg.* (ZMUC); KENYA, Taita Hills, Bura, 17.vi.1968, Schiøtz *leg.* (ZMUC).

Other records: KENYA: Witu (TL); Taita (Attems, 1899); Kwale; Teita Distr., 17.6 km S Maktau (Hoffman, 1967); Wajir (Hoffman, 1990).

***Gonepacra* Hoffman, 1990*****Gonepacra eos* Hoffman, 1990 (E)**

Tanzanian records: Morogoro Region, Uluguru Mts, near Morningside, on road through forest to Bondwa (TL).

New material: numerous specimens Morogoro Region, Morogoro Rural Distr., Uluguru Mts, Lupanga East, 1300–1600 m, vii–viii.1981, M. Stoltze & N. Scharff *leg.*, R.L. Hoffman det. (ZMUC); several specimens, Morogoro Region, Nguru Mts, Nguru South FR, 6°07'S, 37°32'E, 1600–1800 m, 24–29.xi.1991, K.M. Howell & I. Hamsi *leg.* (VMNH).

Note: The specimens from Lupanga East are labeled by RLH as "*Gonepacra* cf. *eos* Hoffman (variant or subspecies?)".

***Gonepacra kiellandi* Hoffman, 1990 (E)**

Tanzanian records: Dodoma Region, Mpwapwa Distr., Rubeho Mts, Mt. Chugu, 2000 m (TL).

***Gonepacra lescurei* (Demange, 1977) (E)**

*Morogorodesmus lescurei* Demange, 1977

*Gonepacra lescurei*: Hoffman (1990)

Tanzanian records: Morogoro Region, Uluguru Mts, Morningside (TL); Morogoro Region, Morogoro Rural Distr., Uluguru Mts, Lupanga, 1300 m; Morogoro Region, Uluguru Mts, Vitori (Hoffman, 1990).

New material: several specimens, Morogoro Region, Morogoro Distr., Uluguru Mts, Mkungwe FR, 6°51–54'S, 37°51–56'E, 400–1000 m, lowland submontane forest, viii.2000, N. Doggart *leg.* (ZMUC).

***Gonepacra massagati* Hoffman, 1990 (E)**

Tanzanian records: Morogoro Region, Kilombero Distr., Masagati F.R. near Ifakara, 450 m (TL).

New material: several specimens Morogoro Region, Kilombero Distr., Kihanzi River gorge, ca. 20 km N Mlimba, 24.vi.1994, K.M. Howell *leg.* (VMNH).

***Gonepacra mufindi* Hoffman, 1990 (E)**

Tanzanian records: Iringa Region, Mufindi Distr., Kigogo FR at Mufindi, 1830 m (TL).

***Gonepacra muhulu* Hoffman, 1990 (E)**

Tanzanian records: Morogoro Region, Ulanga Distr., Muhulu Forest, ca. 20 km SSW Mahenga, 1100 m (TL).

***Gonepacra scharffi* Hoffman, 1990 (E)**

Tanzanian records: Morogoro Region, Kilombero Distr., Udzungwa Mts, Mwanihana Forest above Sanje, 1000 m (TL).

New material: 5 specimens, Iringa Region, Kilolo distr., Udzungwa Mts, Kitungulu FR, 8°09'S, 36°05'E, 1500 m, i. 1996, M. Andersen, P. Gravlund & A. Jakobsen *leg.* (ZMUC); 3 specimens, Morogoro Region, Kilombero Distr., Udzungwa Mts, Njokamoni River, 11–14.xii.1995 (VMNH).

***Iringius* Hoffman, 1967*****Iringius enghoffi* Hoffman, 1990 (E)**

Tanzanian records: Morogoro Region, Kilombero Distr., Udzungwa Mts, Mwanihana FR, 2000 ft, above Sanje (TL).

***Iringius minimus* Hoffman, 1990 (E)**

Tanzanian records: Iringa Region, Iringa Region, Mufindi Distr., Udzungwa Mts, Kigogo FR, 1830, near Mufindi (TL).

***Iringius orestes* Hoffman, 1990 (E)**

Tanzanian records: Iringa Region, Mahenge Distr., Udzungwa Mts, Mt. Nyumbenito, 2000 m, ca. 70 km E Iringa (TL).

New material: several specimens, Iringa Region, Udzungwa Mts, Ndundulu Forest, 7°46'S, 36°29'E, 1880 m, semi-evergreen tropical, montane virgin forest, ii–iii.2007, J. Madanga, L.A. Hansen and local assistants *leg.* (ZMUC); 1 M 1 F (topotypes), Iringa Region, Mahenge Distr., Udzungwa Mts, W Kilombero Scarp FR, Nyumbanito Mt, S Udekwa village, 7°48'S, 36°21'E, 1700 m, xii.1993, L.A. Hansen & J.O. Svendsen *leg.* (ZMUC).

***Iringius rossi* Hoffman, 1967 (E)**

*Iringius kisawarensis* Hoffman & Howell, 1980

*Iringius rossi rossi*: Hoffman (1990)

*Iringius rossi kisawarensis*: Hoffman (1990)

Tanzanian records: Iringa Region, 91 miles NE Iringa (TL); Pwani Region, Kisarawe Distr., Pugu Hills FR near Kisarawe (TL of *I. kisawarensis*); Pwani Region, Rufiji distr., Mafia Island. Mrora village (Hoffman, 1990).

***Iringius rungwe* Hoffman, 1990 (E)**

Tanzanian records: Mbeya Region, Mt Rungwe, 1800 m (TL).

***Lyodesmus* Cook, 1896a**

Figure 1E

***Lyodesmus condylostethus* Hoffman, 1990 (E)**

*Lyodesmus condylostethus condylostethus* Hoffman, 1990

*Lyodesmus condylostethus montanus* Hoffman, 1990

Tanzanian records: Iringa Region, Iringa Distr., Lukosi River along Hy A7 near Mahenge (7°40'S, 36°15'E), 2500 ft (TL for ssp. *condylostethus*); Dodoma Region, Mpwapwa Distr., Rubeho Mts, Kumusi, 1300 m (TL for ssp. *montanus*).

***Lyodesmus coriaceus* (Attems, 1944) (E)**

*Scolopopleura coriaceus* Attems, 1944

*Lyodesmus coriaceus*: Hoffman (1965a)

Tanzanian records: Ruvuma Region, Mbinga Distr., Metengo Highlands between Lake Nyassa and Songea (TL).

***Lyodesmus dentatus* (Cook, 1896a) (E)***Oxydesmus dentatus* Cook, 1896a*Lyodesmus dentatus*: Hoffman (1982)

Tanzanian records: Morogoro Region, Mikumi National Park (TL as restricted by Hoffman, 1990); Morogoro Region, Matambwe, 20 miles E Kidaki Station (7.30°S, 37.43°E); Morogoro Region, Mikumi National Park, 500 m; Morogoro Region, Ilonga Agricultural Research Institute (Hoffman, 1990).

New material: 2 specimens, Pwani Region, Rufiji Distr., Mafia Island, Mlola, evergreen coastal thicket, x–xi.1990, Frontier Tanzania *leg.* (VMNH).

***Lyodesmus dollfusi* (Cook, 1896) (E)***Oxydesmus dollfussi* Cook, 1896a*Lyodesmus dollfusi*: Hoffman (1982)

Tanzanian records: Iringa Region, Udzungwa Mts E Iringa (TL, as restricted by Hoffman, 1990); Morogoro Region, Kilombero Distr., Udzungwa Mts, Mwanihana FR, above Sanje, 1000–2000 m (7°47'S, 36°54'E); Iringa Region, Kilosa distr., Udzungwa Mts, Kitonnga Gorge, Highwau A7, 65 km NE Iringa, 1000 m; Morogoro Region, Kilombero Distr., Udzungwa Mts, Massagati FR near Ifakara, 450 m; Morogoro Region, Ulanga Distr., Udzungwa Mts, Muhulu Forest, 80 km S Ifakara (Hoffman, 1990).

New material: several specimens, Iringa Region, Matundu FR, 8°05'S, 36°25'E, 400 m, iii–iv.1996, L. Sørensen *leg.* (ZMUC); 1 M, Iringa Region, Iringa Distr., West Kilombero Scarp FR, 7°53'19.5"S, 36°23'11.6"E, 1145 m, submontane forest, xi.2000, Frontier Tanzania *leg.* (ZMUC); several specimens, Morogoro Region, Kilombero Distr., Kihanzi River gorge, *ca.* 20 km N Mlimba, 24.vi.1994, K.M. Howell *leg.* (VMNH); 3 specimens Iringa Region, Kilombero Distr., Udzungwa Mts, Njokamoni River, 11–14.xii.1995 (VMNH) 4 specimens, Udzungwa National Park, 2–6.xii.1995 (VMNH).

***Lyodesmus episemus* (Attems, 1899) (E)***Oxydesmus episemus* Attems, 1899*Lyodesmus episemus*: Hoffman (1978b)

Tanzanian records: “Tanganyika” (TL); Tabora Region, Mpanda Distr., 59 miles S Mpanda; “Kinyambolo, Lake Tanganyika” (Hoffman 1978b).

New material: 3 specimens, Kigoma Region, Kigoma, 1986–1987, J. Kielland *leg.* (VMNH); 1 F, Kigoma Region, Kigoma Distr., near Mufombesi River, *ca.* 10 km W Uvinza, x–xi.1988, J. Moore *leg.* (VMNH).

***Lyodesmus fischeri* (Karsch, 1885) (E)***Polydesmus fischeri* Karsch, 1885*Oxydesmus xanthomelas* Cook, 1896a*Lyodesmus fischeri*: Cook (1896a)*Metaphoricus kraepelini* Attems, 1899: Attems (1909)*Lyodesmus fischeri*: Hoffman (1978b).

Tanzanian records: “Massai-Land” (TL); Kilimanjaro Region, Mt. Kilimanjaro (Cook, 1896a, TL of *O. xanthomelas*); Kilimanjaro Region, Mt. Kilimanjaro, Siha Distr., Kobong'oto (“Kibonoto”), (Attems, 1909); Kilimanjaro Region, Mt. Kilimanjaro, Marongu, 1500 m (Hoffman, 1978b); Kilimanjaro Region, Mwanga Distr., N Pare Mts, ±40 km SE Moshi (Hoffman, 1990).

Note: Hoffman (1990) interpreted the TL as “probably Region north of Arusha”.

***Lyodesmus kimboza* Hoffman, 1990 (E)**

Tanzanian records: Morogoro Region, Morogoro distr., Kimboza FR S Morogoro (TL).

***Lyodesmus nesiotetes* Hoffman, 1990 (E)**

Tanzanian records: Zanzibar, Jozania FR *ca.* 35 km SE Zanzibar city (TL).

***Lyodesmus ornaticollis* Hoffman, 1990 (E)**

Tanzanian records: Dodoma Region, Mpwapwa distr., Rubeho Mts, base of Mt. Chugu, 1250 m, on road to Mafwemiro (TL).

***Lyodesmus rodgersi* Hoffman, 1990 (E)**

Tanzanian records: Iringa distr., Mahenge distr., Udzungwa Mts, Nyumbenito Mt 70 km E Iringa, 2000–2300 m (TL).

New material: 2 M, Iringa Region, Iringa Distr., New Dabaga / Ulangambi FR, 8°00–04'S, 35°54–56'E, 1915 m, 18–27.x.2000, Frontier Tanzania *leg.* (ZMUC); numerous specimens, Iringa Region, Udzungwa Mts, Ndundulu Forest, 07°46'S, 36°29'E, 1550–2160 m, semi-evergreen tropical, forest, i.–iii.2007, J. Mdanga. L.A. Hansen and local assistants *leg.* (ZMUC); 5 specimens Iringa Region, Mahenge Distr., W Kilombero Scarp FR, Ndundulu Mt ESE Udekwa village, 07°47'S, 36°29'E, viii. 1993, L. Sørensen *leg.* (ZMUC); 3 specimens, Iringa Region, Mahenge Distr., Udzungwa Mts, West Kilombero Scarp FR, Nyumbenito Mt, S Udekwa village, 7°48'S, 36°21'E, 1500–1700 m, xii.1993, L.A. Hansen & J.O. Svendsen *leg.* (ZMUC).

***Lyodesmus rubidopsis* (Kraus, 1958) (E)**

*Metaphoricus rubidopsis* Kraus, 1958a

*Lyodesmus rubidopsis*: Hoffman (1978b)

Tanzanian records: Morogoro Distr., Morogoro distr., Uluguru Mts, between Kimboza and Kibungu, 500 m (TL); Morogoro Distr., Matombo, 300 m, at River Mjzigo (Kraus, 1958a). Morogoro Region, Uluguru Mts, Bunduki (Hoffman, 1990).

New material: 5 specimens, Morogoro Region, Morogoro Distr., Kimboza FR, 7°01'S, 37°48'E, i–iii.1994, Frontier Tanzania *leg.* (ZMUC); 2 specimens Morogoro Region, Morogoro Distr., Chamanyani FR, Mvuhu, 7°08–13'S, 37°47–51'E, 140–400 m, lowland forest, ix.2000, N. Doggart *leg.* (ZMUC); 5 specimens, Morogoro Region, Morogoro Distr., Ruvu FR, 7°00'S, 37°51'E, 200 m, 2000, N. Doggart *leg.* (ZMUC); 4 specimens, Morogoro Region, Morogoro Distr., Kasanga FR, 7°10'S, 37°45'E, 140–400 m, leaf litter and rotting logs, 27.vii–2.viii.2000, N. Doggart *leg.* (ZMUC); 1 M, Uluguru Mts, Mgeta, x.1974, I. Jakobsen *leg.* (ZMUC).

***Lyodesmus silvanus* Hoffman, 1978b**

Tanzanian records: Mbeya Region, Rungwe distr., Mt Rungwe, 1900 m (Hoffman, 1990).

Othr records: MALAWI, Nyika Plateau, 6000–7000 ft, ±10.40°S, 33.50°E (TL).

New material: 2 specimens, Mt. Rungwe, forest above Rungwe Mission Station, 9°10'S, 33°35'E, 1600–1800 m, i. 1996, M. Andersen *leg.* (ZMUC).

***Lyodesmus tatanda* Hoffman, 1990 (E)**

Tanzanian records: Rukwa Region, Sumbawanga Distr., Tatanda (TL).

***Lyodesmus zoster* Cook, 1896a (E)**

Tanzanian records: Rukwa Region, former Kawende Distr., ±75–125 km W Mpanda (TL).

Note: The type locality is here given as interpreted by Hoffman (1990). The original wording is “Kawende, East Africa”.

***Morogorodesmus* Hoffman, 1967*****Morogorodesmus restans* Hoffman, 1967 (E)**

Tanzanian records: N Ulugurus Mts, Bunduki, 1200 m, near Morogoro (TL).

New material: 4 specimens, Morogoro Region, Uluguru S FR, forest above Ukwama Village, 7°11'S, 36°42'E, 1450–1840 m, x.1993, L. Sørensen *leg.* & det. (ZMUC).

***Oreiadessa* Hoffman, 1990*****Oreiadessa diana* Hoffman, 1990**

Tanzanian records: none.

New material: several specimens Mwanza Region, Geita Distr., Rubondo Island, Lake Victoria, 100 km S Bukoba, 29.i.1991, A. Bjørnstadt & J. Kiture *leg.* (VMNH); 1 specimen, Kagera Region, Biharamulo Distr., Biharamulo Game Reserve, 1991–1992, J. Kielland *leg.* VMNH).

Other records: UGANDA: Ruwenzori, slope of Kilembe, 1800 m (TL).

***Orodesminus* Hoffman, 1965a*****Orodesminus erectus* (Brolemann, 1920)**

*Oxydesmus erectus* Brolemann, 1920

*Orodesminus erectus*: Hoffman (1965a)

Tanzanian records: Kilimanjaro Region, 19 km E Moshi (Hoffman, 1976)

Other records: KENYA: Voi (TL); Teita Distr., 11 km S Maktau; Kwale Distr., 49 miles W Mombasa (Hoffman, 1967); Tsavo National Park, Kitani Lodge (Hoffman, 1976); Northeast Province, Wajir (Hoffman, 1982); UGANDA: Msisi River (Attems, 1929, as *O. polymastus* Attems, 1929).

***Orodesminus macrolophus* (Attems, 1931)**

*Orodesmus macrolophus* Attems, 1931

*Orodesminus macrolophus*: Hoffman (1967)

*Orodesminus macrolophus macrolophus*: Hoffman (1982)

Tanzanian records: Lindi Region, Lindi Distr., Tendaguru ±100 km W Lindi; Kipatimu (Hoffman, 1982).

Other records: MOZAMBIQUE: Mecutine area *ca.* 70 W of the coast (TL); 16 km W Vila Machado; Nangororo Farm near Porto Amelia (=Pemba) (Hoffman, 1967); Manica e Sofala, Amatonga Forest near Vila Pery (= Chimoio); Zambezia, Lulua River; Garuso; ZIMBABWE, Chirinda Forest near Mt. Selinda; Honde Valley, Inyanga (Hoffman, 1976).

Notes: Specimens from central Mozambique and Zimbabwe are referred to a separate subspecies, *O. macrolophus broadleyi* Hoffman, 1982.

***Orodesmus* Cook, 1896b*****Orodesmus camelus* Cook, 1896a (E)**

Tanzanian records: “Tanga, Usambara” (TL).

Notes: The type locality is probably in or around the E Usambara Mts (Hoffman, 1990).

***Rhododesmus* Cook, 1896a*****Rhododesmus mastophorus* (Gerstaecker, 1873)**

*Polydesmus mastophorus* Gerstaecker, 1873

*Rhododesmus mastophorus*: Cook (1896a), Hoffman (1976)

*Rhododesmus priodus* Cook, 1896a

*Orodesmus mastophorus*: Attems (1909), Brolemann (1920)

*Rhododesmus mastophorus priodus*: Hoffman (1990).

Tanzanian records: Dar es Salaam (TL of *Rhododesmus priodus*); Tanga Region, Tanga, in the Mkulumusi caves; Mombo (Attems, 1909); Tanga (Brolemann (1920); Dar es Salaam; Mkulumuzi (= Amboni) caves N Tanga (Hoffman, 1976); Zanzibar, Jozani Forest (Hoffman, 1990).

New material: several specimens, Morogoro Region, Kanga Mts, Kanga FR, 400–500 m, lowland rain forest, 22–25.xi.1994, N. Scharff *leg.* (ZMUC); 1 specimen, Tanga Region, Muheza Distr., Kwamgumi FR, 4°57'S, 38°44'E, 6.xii.1996, Frontier Tanzania *leg.*

(VMNH); several specimens, Tanga Region, Muheza Distr., Manga FR, 5°02'S, 38°47'E, x-xii.1994 and 28.viii.1998, Frontier Tanzania *leg.* (VMNH); 2 specimens, Tanga Region, Handeni Distr., Genda Genda Forest, 5°32'S, 38°38'E, 100–500 m, semievergreen forest, x-xii.1991, Frontier Tanzania *leg.* (VMNH); 2 specimens, Tanga Region, Pangani Distr., Mkwaga Ranch, 5°51'S, 38°47'E, riverine forest, 19.viii.–18.ix.1991, Frontier Tanzania *leg.* (VMNH); 2 specimens, Pwani Region, Bagamoyo Distr., Wami River Valley, 6°21'S, 38°10'E, 18.v.1978, K.M. Howell *leg.* (VMNH); 1 specimen, Pwani Region, Kisarawe Distr., Pugu FR 6.xii.1981, C. Wollman *leg.* (VMNH); 2 M 1 F, KENYA (SE), Shimoni, 1985, T.G. Nielsen *leg.* (ZMUC).

Other records: KENYA: Mombasa (TL); Taita Region, Bura, W Voi, 1050 m; Prov. Seyidié, cave A at Shimoni (Brolemann, 1920); Teita Distr., 14.4 km E Taveta (Hoffman, 1967); Gede ruins 19 km S Malindi (Hoffman, 1976).

***Rhododesmus planus* (Kraus, 1958) (E)**

*Orodesmus planus* Kraus, 1958a

*Rhododesmus planus*: Hoffman (1965a)

*Rhododesmus planus planus*: Hoffman (1990)

*Rhododesmus planus pongwe* Hoffman, 1990

*Rhododesmus planus krausi* Hoffman, 1990

Tanzanian records: Morogoro Region, Morogoro Distr., Uluguru Mts, between Kimboza and Kibungu (TL); Morogoro Distr., Uluguru Mts at Bunduki (Hoffman, 1967); Pwani Region, Bagamoyo Distr., Mt Pongwe, 16 km NW Msata (TL of *R. planus pongwe*); Morogoro Region, Kilombero Distr., Udzungwa Mts, Mwanihana FR, ca. 7°47'S, 36°54'E (TL of *R. planus krausi*); Udzungwa Mts, Sanje (Hoffman, 1990).

New material: 3 specimens, Iringa Region, Iringa Distr., West Kilombero FR, 7°53'19.5"S, 36°23'11.6"E, 1100–1300 m, montane forest, 30.xi.2000, Frontier Tanzania *leg.* (ZMUC); several specimens, Morogoro Region, Morogoro Distr., Kimboza FR, 7°01'S, 37°48'E, i-iii.1994, Frontier Tanzania *leg.* (ZMUC); 1 M, Morogoro Region, Morogoro Distr., Ruvu FR, 7°00'S, 37°51'E, 200 m, 2000, N. Doggart *leg.* (ZMUC); several specimens, Morogoro Region, Morogoro Distr., Mindu Mt., 6°48'S, 37°35'E, 1200 m, 24.xii.1983, J. Kielland *leg.* (VMNH); several specimens, Morogoro Region, Morogoro Distr., Uluguru Mts, forest near Morningside, 23.xii.1979, K.M. Howell, N. Sewell, D. Cappitt & G. Norton *leg.* (VMNH); 1 specimen, Iringa Region, Iringa Distr., Udzungwa National Park, Njokamone Rover, 1100 m, 9.xii.1995 (VMNH).

**Paradoxosomatidae**

This very large family was recently catalogued by Nguyen & Sierwald (2013).

***Aklerobunus* Attems, 1931**

***Aklerobunus massai* (Cook, 1896d) (E)**

*Habrodesmus massai* Cook, 1896d

*Aklerobunus massai*: Hoffman (1968)

Tanzanian records: M'Karamo on the Pangani River, Massai Nycka (TL, Cook, 1898); "Nycka" probably is a misspelling of (Massai) Nyika.

New material: 1 specimen, Tanga Region, Muheza Distr., Bamba FR, 4°58'S, 38°47'E, vii-ix.1995, Frontier Tanzania *leg.* (VMNH); 2 specimens Tanga Region, Muheza Distr., Manga FR, 5°02'S, 38°47'E, x-xii.1994, Frontier Tanzania *leg.* (VMNH); 1 specimen, Tanga, Masiwani, Ngatunga, 18.v.1980 (VMNH).

***Aklerobunus sphinx* (Verhoeff, 1941) (E)**

*Morogosoma sphinx* Verhoeff, 1941

*Aklerobunus sphinx*: Hoffman (1968)

Tanzanian records: Morogoro (TL).

Note: Verhoeff (1941) gave the TL as “Tanganjikasee bei Morogoro” but Morogoro is far from Lake Tanganyika (*cf.* Hoffman, 1968).

***Aklerobunus uganonus* (Attems, 1944) (E)**

*Dysthymus uganonus* Attems, 1944

*Aklerobunus uganonus uganonus*: Hoffman (1968)

*Aklerobunus uganonus*: Jeekel (1968)

Tanzanian records: Ugano (TL).

Notes: Hoffman (1968) couldn't locate Ugano but thought that the TL might be Umgano at (7°47'S, 36°54'E) at the southern end of the Kipengere Range

***Chondromorpha* Silvestri, 1897*****Chondromorpha xanthotricha* (Attems, 1898)**

*Prionopeltis xanthotrichus* Attems, 1898

*Chondromorpha xanthotricha*: Attems (1936)

Tanzanian records: none.

New material: 1 F, Zanzibar, Zanzibar City, Botanical Garden, compost heap, 11.vi.1979, M. Stoltze *leg.* (ZMUC).

Other records: A sub-cosmopolitan species (Korsós, 2012).

Notes: Although *C. xanthotricha* has been very widely dispersed, certainly through anthropochory, this seems to be the first record of the species from the Afrotropical region.

***Dysthymus* Attems, 1929*****Dysthymus debilis* (Attems, 1931) (E)**

*Aklerobunus debilis* Attems, 1931

*Dysthymus debilis*: Attems (1937b)

Tanzanian records: “Mkotea Suna, Grenzgebiet zwischen den Landschaften Ugogo und Turu” (TL).

Note: Hoffman (1953) placed the TL, with doubt, in Congo.

***Ectodesmus* Cook, 1898*****Ectodesmus extortus* Cook, 1898 (E)**

Tanzanian records: “Lindi, and island near Wito, British East Africa” (TL).

***Eoseviulisoma* Brolemann, 1920*****Eoseviulisoma julinum* (Attems, 1909) (E)**

*Strongylosoma julinum* Attems, 1909

*Eviulisoma (Eoseviuliosoma) julinum*: Brolemann (1920)

*Eoseviulisoma julinum*: Hoffman (1953)

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro, Siha Distr., Kobong'oto (“Kibonoto”), rain forest, 2000–3000 m (TL); Kilimanjaro Region, Mt. Kilimanjaro, upper limit of forest near Bismarckshügel, 2700–2800 m; Kilimanjaro Region, Moshi, at base of S slope of Mt. Kilimanjaro, 800 m (Brolemann, 1920).

***Eviulisoma* Silvestri, 1910*****Eviulisoma dabagaense* Kraus, 1958a (E)**

Tanzanian records: Iringa Region, Iringa Distr., Kwabuni Estate near Iringa, 2100 m (TL).

New material: several specimens Iringa Region, Iringa Distr., Kalimbazi Mountain, 10 km S Mazombe, 2000–2100 m, i.1984, J. Kielland *leg.* (VMNH).



***Eviulisoma fossiger* (Carl, 1909) (E)**

*Strongylosoma fossiger* var. *typica* Carl, 1909

*Eviulisoma fossiger*: Attems (1914b)

Tanzanian records: Kagera Region, "Sultanat Ihangiro", banana plantations; Kagera Region, Bukoba (Carl, 1909). Selection of one of these sites as type locality requires designation of a lectotype for this name.

***Eviulisoma insulare* Brölemann, 1920 (E)**

Tanzanian records: Zanzibar Island, Haitajwa (TL).

New material: 1 M, Zanzibar Island, Jozani Forest, xi.1980, F. Omari *leg.* (VMNH).

***Eviulisoma iuloideum* (Verhoeff, 1941) (E)**

*Himatiopus iuloideus* Verhoeff, 1941

*Eviulisoma iuloides* [sic]: Jeekel (1968)

*Eviulisoma iuloideus*: Jeekel (2003)

Tanzanian records: Iringa Region, Mufindi distr., Mufindi (TL).

Note: Verhoeff (1941) gave the TL as "Tanganjika-See bei Mufundi-Iringa", but Mufindi and Iringa are far from Lake Tanganyika.

***Eviulisoma kwabuniense* Kraus, 1958a (E)**

Tanzanian records: Iringa Region, Iringa Distr., Kwabuni Estate near Iringa, 2100 m (TL).

***Eviulisoma silvestre* (Carl, 1909)**

*Strongylosoma fossiger* var. *silvestre* Carl, 1909

*Eviulisoma silvestre*: Hoffman (1953)

Tanzanian records: Kagera Region, Bukoba Distr., Bukoba (TL).

Other records: KENYA: Likhanda Hills, Kakamega Forest, 00°13'S, 34°54'E (VandenSpiegel & Golovatch, 2014).

***Eviulisoma ussuwiense* (Carl, 1909) (E)**

*Strongylosoma fossiger* var. *ussuwiense* Carl, 1909

*Eviulisoma ussuwiense*: Hoffman (1953)

Tanzanian records: Kagera Region, "Sultanat Ost-Ussuwi im S"den der Residentur Bukoba" (TL).

***Habrodesmus* Cook, 1896*****Habrodesmus sansibaricus* (DeSaussure & Zehntner, 1901) (E)**

*Strongylosoma sansibaricum* DeSaussure & Zehntner, 1901

*Habrodesmus sansibaricus*: Brolemann (1920)

Tanzanian records: Zanzibar, Kokotomi (TL); Zanzibar island, Haitajwa; Zanzibar island, Mkotoni Distr., Mangapwani cave (Brolemann, 1920).

***Nasmodesosoma* Hoffman & Howell, 1985*****Nasmodesosoma phantasmogon* Hoffman & Howell, 1985 (E)**

Tanzanian records: Iringa Region, Iringa Distr., Kalimbazi Mt., 2000–2100 m, *ca.* 10 km S Mazombe (TL).

***Phaeodesmus* Cook, 1898*****Phaeodesmus flavocinctus* (Pocock, 1896)**

*Tetracentrosternus flavocinctus* Pocock, 1896

*Phaeodesmus flavocinctus*: Jeekel (1968)

Tanzania records: Pwani Region, Rufiji Distr., Mafia Island, near Mrora Village, evergreen forest on coral (Hoffman, 2004).

New material: 1 M, Lindi Region, Kilwa Distr., Tong'omba FR, 8°25'S, 39°01'E, 150–550 m, viii–ix. 1992, Frontier Tanzania *leg.* (VMNH); 2 specimens Pwani Region, Rufiji Distr., Matumbi Forest, >1700 ft, ii.1990, Frontier Tanzania *leg.* (VMNH).

Other records: KENYA: Mt. Kenya, Leikipia and Ngatana (TL).

***Suohelisoma* Hoffman, 1964**

***Suohelisoma ulugurensis* Hoffman, 1964 (E)**

Tanzanian records: Morogoro Region, Uluguru Mts at Morogoro (TL).

***Xanthodesmus* Cook, 1896d**

***Xanthodesmus vagans* (Carl, 1909)**

*Strongylosoma vagans* Carl, 1909

*Xanthodesmus vagans*: Jeekel (1968)

Tanzanian records: Kagera Region, from Kagera through the southern corner of Karagwe to Ost-Ussuwi and from here northward towards Rubja in "Residentur Bukoba" (Carl 1909). Fixing the TL will require the selection of a lectotype. A tube in VMNH is labeled "*Strongylosoma vagans* Carl ♂ & ♀ Paratypes. Biaramuti, Ost-Ussuwi, Carl *leg.*, ex Mus. Geneve".

New material: 3 specimens, Iringa Region Southern Highlands, Ndembera River, 24.xi.1995, T.C.E. Congdon *leg.* (VMNH); 1 M, Mwanza Region, Mwanza Distr., Mwanza, 14.xi.1977, G. Kukowski *leg.* (VMNH); 3 specimens, Kigoma Region, Kigoma Distr., near Mufombosi River, ca. 10 km S Uvinza, x-xi.1988, J. Moore *leg.* (VMNH); 1 M, Kigoma Region, Kibondo Distr., Kibondo, 11-12.xi.1981, S. Smith *leg.* (VMNH); 1 M, Mbeya Region, Mbeya Distr., Pangaluna, Mbeya Range, 1450 m, rocky hillside in *Brachystegia* woodland, 17.xii.1989, T.C.E. Congdon *leg.* (VMNH); 3 specimens, Tabora Region, Mpanda Distr., 59 miles S Mpanda, 1200 m, 18.xi.1967, E.S. Ross & A.R. Stephen *leg.* (VMNH); 1 M, Kashozo, Bukoba, swamp forest, 20.xi.1979, J. Kielland *leg.* (VMNH).

Other records: UGANDA: Bussu-Busoga; Sessé archipelago (Victoria Nyanza) (Silvestri 1910a, as *Habrodesmus vagans*). D.R. CONGO and BURUNDI: numerous records under several synonymic names, see Jeekel (2004).

**Pyrgodesmidae**

The classification of this family is highly provisional, and assignment of species to genera is mostly to be regarded as preliminary.

***Lophodesmus* Pocock, 1894**

***Lophodesmus cristulifera* Brolemann, 1920 (E)**

Tanzanian records: Zanzibar Island, Mkokotoni distr., Mangapwani cave (TL).

***Procoptodesmus* Brolemann, 1920**

***Procoptodesmus diffusus* Brolemann, 1920**

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro, upper limit of forest near Bismarckshügel, 2700-2800 m (TL).

Other records: KENYA: Taita Hills, several sites (Golovatch & VandenSpiegel, 2014).

**Trichopolydesmidae**

The African fauna of this large family of micro-polydesmidans was reviewed by Mauriès & Heymer (1996).

***Sphaeroparia* Attems, 1909**

***Sphaeroparia attenuata* Brolemann, 1920 (E)**

*Sphaeroparia minuta* ssp. *attenuatua* Brolemann, 1920

*Sphaeroparia attenuata*: Mauriès & Heymer (1996).

Tanzanian records: Kilimanjaro Region, Mt. Kilimanjaro, several stations from 800 to 2800 m (TL).

***Sphaeroparia minuta* Attems, 1909 (E)**

Tanzanian records: Arusha Region, Mt. Meru, 3500 m (TL)

**SPECIES EXCLUDED FROM THE TANZANIAN LIST****Odontopygidae*****Prionopetalum fryeri* (Turk, 1956)**

*Helicochetus fryeri* Turk, 1956

*Prionopetalum fryeri*: Kraus (1960)

The type locality “Nyasaland” was listed by Kraus (1960) as lying in the Tanganyika Territory but Nyasaland is now in the Republic of Malawi.

***Prionopetalum tricuspis* Brölemann, 1920**

The type locality, Kikuyu country, Fort-Hall, 1330 m was listed by Kraus (1960) as lying in the Tanganyika Territory but Kikuyu country and Fort-Hall are in Kenya. VandenSpiegel & Pierrard (2009) gave further records of the species from Kenya.

***Rhamphidaroides aberdarei* (Brölemann, 1920)**

*Odontopyge Aloysii-Sabaudiae aberdarei* Brolemann, 1920

*Rhamphidarpe aberdarei*: Attems (1938)

*Rhamphidaroides aberdarei*: Kraus (1960)

Distribution given as Tanganyika Territory by Kraus (1960), but the type locality, Aberdare Mts, is in Kenya.

***Rhamphidaroides alticolus* (Brölemann, 1920)**

*Odontopyge Aloysii-Sabaudiae alticolus* Brolemann, 1920

*Rhamphidarpe alticola*: Attems (1938)

*Rhamphidaroides aberdarei*: Kraus (1960)

Distribution given as Tanganyika Territory by Kraus (1960), but the type locality is in Kenya.

***Rhamphidaroides kenyanus* (Brölemann, 1920)**

*Odontopyge kenyanum* Brolemann, 1920

*Rhamphidarpe kenyanus*: Attems (1938)

*Rhamphidaroides kenyanus*: Kraus (1960)

Distribution given as Tanganyika Territory by Kraus (1960), but the type locality is in Kenya.

***Tibiomus auritus* (Attems, 1927)**

*Odontopyge aurita* Attems, 1927

*Odontopygiba aurita*: Kraus (1960)

*Tibiomus auritus*: Kraus (1966)

Distribution given as Tanganyika by Kraus (1960, 1966) but the type locality: Primary forest behind the fringing mountains on the NW coast of Lake Tanganyika, is in Congo.

**Gomphodesmidae*****Aulodesmus oxygonus* (Peters, 1982)**

Hoffman (2005a) included “Southeastern Tanzania” in his description of the distribution of this species, but there is no symbol for *A. oxygonus* on the pertinent map (Hoffman 2005a: map 9, p. 185), nor is there any mention of Tanzania in Hoffman (1984), nor is there any Tanzanian sample of this species in VMNH.

**Paradoxosomatidae*****Eviulisoma graueri* Attems, 1944 (E)**

The type locality “Hinter den Randbergen des Nordwestufers des Tanganjika” translates into “behind the fringing mountains at the NW coast of Lake Tanganyika”. This is in D.R. Congo, and the species was listed as Congolese by Jeekel (1968, 2003), but it was recorded as Tanzanian by Nguyen & Sierwald (2013).

## DISCUSSION

The vast majority of the species recorded from Tanzania are currently known only from this country. No doubt very many of these are indeed endemic, and often very narrowly endemic, *e.g.* to a single mountain. However, several species—and not only widespread 'tramp' species—have been collected in other countries, sometimes at a considerable distance from the Tanzanian localities, *e.g.* *Calyptomastix kakandae* which was reported by Hoffman & Howell (2012) *ca.* 600 km from the type locality in D.R. Congo. It is to be expected that additional species currently known only from Tanzania will be discovered elsewhere, but on the other hand, numerous additional endemic species remain to be described. ZMUC and VMNH contain large numbers of undescribed Tanzanian species, and still more are undoubtedly leading a quiet “shelf life” (Fontaine *et al.*, 2012) in other collections. Add to these the innumerable species which still have not been collected, consider that the vast majority of the known species are medium-sized to large, whereas 'micropolydesmidans' and other tiny species less than a centimeter long are strongly underrepresented, and a sober estimate of the number of Tanzanian millipede species will probably require four figures.

### **The future of millipede collecting in Tanzania**

With the death of RLH, a museum-based specialist, an era of millipede study in Africa has ended. It would seem unlikely that a single individual will have the inclination, commitment, ability and/or opportunity to access millipede collections in Europe and to make collections in Africa to the extent that would be needed to address the many complex issues of millipede taxonomy and biosystematics.

As museums face cut-backs in finances and funding for basic ecological work becomes more difficult in Africa and elsewhere, it is important to re-establish (and in some cases, to establish) links between millipede specialists within and outside of Africa. This may well involve sensitising individuals and governments on the importance of millipedes in ecology, and of their usefulness in helping to place values on biodiversity. It will be important that individuals and institutions within and outside of Africa be involved.

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