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Catalogue of genera and their type species in the mite Suborder Uropodina (Acari: Mesostigmata)

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Abstract

This paper provides details of 300 genus-group names in the suborder Uropodina, including the superfamilies Microgynioidea, Thinozerconoidea, Uropodoidea, and Diarthrophalloidea. For each name, the information provided includes a reference to the original description of the genus, the type species and its method of designation, and details of nomenclatural and taxonomic anomalies where necessary. Twenty of these names are excluded from use because they are *nomina nuda*, junior homonyms, or objective junior synonyms. The remaining 280 available names appear to include a very high level of subjective synonymy, which will need to be resolved in a future comprehensive revision of the Uropodina.

Key words: Acari, Mesostigmata, Uropodina, generic names, type species

Introduction

Mites in the Suborder Uropodina are very abundant in forest litter, but can also be found in large numbers in moss, under stones, in ant nests, in the nests and burrows made by vertebrates, and in dung and carrion. Most appear to be predators that feed on nematodes or other small invertebrates, but others may feed on living and dead fungi and plant tissue (Lindquist *et al*., 2009). None are known to be of direct economic importance, except for a few species that contaminate earthworm cultures and stored food. The higher classification of the group is not stable, and the number of family names used by recent authors varies from 13 (Lindquist *et al*., 2009) to 35 (Beaulieu *et al*., 2011). Wiśniewski & Hirschmann (1993) catalogued over 2000 species, and the number of known species has increased significantly since then.

The Uropodina offer a series of significant challenges to the taxonomist. Many species demonstrate bizarre morphological specialisations that obscure their underlying taxonomic relationships. The life cycle of many species includes a specialised deutonymph that is phoretic on some insect or other host. These deutonymphs remain attached when their host is killed. They can often be found attached to insects preserved in collections, where they can easily be collected. The result is that many species are known only from the deutonymph, while others were described from the free-living adults, and relatively few are known from all stages of the life cycle. But most importantly, the taxonomist who tries to study these mites must confront the work of Werner Hirschmann and his colleagues, which dominated Uropodina systematics for almost 40 years.

Most of the work of Hirschmann and his school was privately published in *Acarologie, Schriftenreihe für Vergleichende Milbenkunde* (Hirschmann-Verlag, Fürth or Nürnberg, Germany, ISSN 0567-672X), which was issued in 40 volumes from 1957 to 1993. The papers in this journal, mostly under the general heading of Gangsystematik der Parasitiformes, are extraordinarily complicated and difficult to use. Information about a single taxon is often scattered over multiple papers. Several identification keys are often provided for the same set of taxa, each using a different set of characters. Cross-references from one paper to another are complex; and some of its bibliographic conventions are very difficult to follow.

Hirschmann developed his own distinctive style of taxonomy, using a technique that he called *Gangsystematik*, which may be translated as developmental systematics, or ontogenetic systematics. The term is derived from the

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German word *Gang*, which has several different meanings, but in this context it conveys the concept of sequential development from one state to another. The basis of the *Gangsystematik* method was described by Hirschmann (1963a, 1963b), and was reviewed in English by Hirschmann (1973i). It recognises that the different instars that an animal passes through during the course of its development are only different manifestations of the genotype of a single individual. A robust system of taxonomy (*Gangsystematik*) is one that uses information from all the developmental stages of an individual, in contrast to conventional classifications that depend on information from only one life cycle stage, typically the adult female.

In *Gangsystematik*, the characters used to construct a classification vary in value according to how well they sample the complete life cycle of a species. For example, a morphological character that can be recognised at all four post-embryonic stages of the life cycle of a mite (larva-protonymph-deutonymph-adult) is a *Gangmerkmal* (developmental character); a character that can be recognised in only two or three stages of the life cycle is a *Teilgangmerkmal* (partial developmental character); and a character that can only be recognised at one stage of the life cycle is a *Stadiummerkmal* (stage character). A genus that is based on characters from all stages of the life cycle is a *Ganggattung* (developmental genus); a genus that is based on characters from only two or three stages of the life cycle is a *Teilganggattung* (partial developmental genus); and a genus that is based on only one stage of the life cycle is a *Stadiengattung* (stage genus). Further, a genus that is based on a complete set of instars culminating in an adult male is a *Männchenganggattung* (male developmental genus), and a genus that is based on a complete set of instars culminating in an adult female is a *Weibchenganggattung* (female developmental genus).

Hirschmann & Zirngiebl-Nicol (1969a) outlined the objectives of their *Gangsystematik* revision of the Uropodina, including the definition of a genus, taken from Bernhard (1963), which may be translated as "A genus unites all the species that share the largest number of features and at least one developmentally constant feature". One outcome of this approach is heavy dependence on a limited set of structures that can be observed at all stages of the life cycle. Hirschmann (1973i) showed that the most important characters of this type (*Gangmerkmal*) were to be found in the chelicerae and other structures of the gnathosoma. The unsatisfactory nature of the resulting classification has been pointed out by other authors (for example, Evans, 1972; Athias-Binche, 1983).

Further complications arise because the classification and names presented in the pages of *Acarologie* are not always consistent with the *International Code of Zoological Nomenclature*, especially in failing to comply with the Principle of Coordination (Article 36 for family-group names and Article 43 for genus-group names). However, Hirschmann and his co-authors described hundreds of species, genera, and families of Uropodina, and these names must be taken into account in revisions of the group.

These complexities together present a significant deterrent to the study of Uropodina systematics. Progress towards a stable classification of the group will depend on the development of clear taxonomic concepts of all the genera, which in turn will depend on access to their original descriptions. My purpose in this paper is therefore to catalogue the names of all genus-group taxa in the Suborder Uropodina, with bibliographic references to their descriptions, clarification of which of these names are available for nomenclatural purposes, and details of their type species. This information will provide the raw materials for construction of an improved classification of families and higher taxa.

Methods and conventions

The Suborder Uropodina as interpreted here includes the Superfamilies Microgynioidea, Thinozerconoidea, Uropodoidea, and Diarthrophalloidea, following Beaulieu *et al*. (2009) and Krantz & Walter (2009).

The information presented here is derived from a study of the literature, not from the examination of specimens. I searched for the names of genera and subgenera of Uropodina in the major works by Berlese (1917), Vitzthum (1929; 1940–1943), Oudemans (1936), Radford (1950), Baker & Wharton (1952), Evans (1972), Ainscough (1981), Karg (1986, 1989), Krantz & Ainscough (1990), Farrier & Hennessey (1993), Mašán (2001), and Krantz & Walter (2009). I searched all 40 volumes of *Acarologie. Schriftenreihe für Vergleichende Milbenkunde*, from Volume 1 (1957) to Volume 40 (1993). I searched more than 400 other taxonomic and faunistic papers on Uropodina published since 1970, to locate further genus-group names. I also used several less formal sources of information, including Anonymous (2012, 2013), Hallan (2005), various other internet sites, and a series of unpublished Uropodina databases created by Hans Klompen, of Ohio State University.

It is sometimes difficult to convert Hirschmann's *Gangsystematik* categories into a more familiar taxonomic hierarchy. Some authors have interpreted the *Gangsystematik* categories *Ganggattung* as genus and *Stadiengruppen* as species group. However, Hirschmann himself (1979b) compared his classification based on *Gangsystematik* with a more conventional classification, which he called *Stadiensystematik*. In this comparison, the *Gangsystematik* categories *Ganggattung* and *Teilganggattung* became the equivalent of families. These taxa are listed under the headings *Ganggattung* and *Teilganggattung* in the left column on Hirschmann's pages 57–68, and appear as families in the Table on his pages 69 and 70. For example, the *Teilganggattung* listed as *Rotundabaloghia* Hirschmann, 1975 on page 61 becomes the family Rotundabaloghiidae Hirschmann, 1979 on page 69. Its constituent *Stadiengruppen*, the *Angulogynella*-Gruppe and the *Baloghi*-Gruppe, become the genera *Angulobaloghia* and *Rotundabaloghia*. The taxa listed as *Stadiengattungen* in the right column of Hirschmann (1979b), pages 57–68, are therefore listed here as genera.

Genera and subgenera are listed below as equal in rank, but that does not imply any taxonomic decision about their status; classification above the genus level is ignored; and all genus-group names are arranged in a single alphabetical sequence. Information about synonymy is included only where it actually or potentially affects the names of genera or their type species, especially in the case of objective synonyms. Many of the genus-group names listed here will be found to be subjective synonyms when their taxonomy is critically re-examined, but that is not the purpose of the present study.

The information presented for each name is the genus-group name with its author and date in bold face; then the name in its original form, with author, bibliographic reference, and the number of the page on which the description begins; the name of the type species in its original form, with its author, date, and page number; a statement of how the type species of the genus or subgenus was designated; and a section headed *Notes*, where any unusual or complicated circumstances are explained. The *Notes* section often includes examples of the incorrect subsequent spelling of names, but that information is certainly not comprehensive. I have ignored large numbers of simple typographical errors in the use of names, such as *Cillfba* for *Cilliba*, *Apinosieus* for *Apionoseius*, *Trichuropoda* for *Trichouropoda*, and *Urolpitella* for *Uroplitella*, among many others.

Some genera described before 1930 did not have a designated type species when they were first described, but they were designated by some later author. I have tried to find the first type species designation in each of these cases, but it is possible that an earlier type species designation may sometimes exist.

The dates of publications by Antonio Berlese follow the 1979 facsimile reprint of his collected works edited by Leendert Van der Hammen and published by Junk, Amsterdam. Dates of publications by A. C. Oudemans follow the bibliography by Van Eyndhoven (1943). With only two exceptions (De Geer, 1768; Nicol, 1955), I have personally examined all the publications in the list of references. The literature survey was closed on 31 December 2014.

New names and nomenclatural actions that were proposed in theses are usually not available for nomenclatural purposes, because theses usually do not meet the criteria for publication as defined by the *International Code of Zoological Nomenclature*, Article 8.1. For example, the genera described by Nicol (1955) are not included here.

Results

***Abrotarsala* Schuster & Summers, 1978**

Abrotarsala Schuster & Summers, 1978: 323.

Type species *Abrotarsala rimatoris* Schuster & Summers, 1978: 325, by original designation.

***Acaridryas* Schuster & Summers, 1978**

Acaridryas Schuster & Summers, 1978: 301.

Type species *Diarthrophallus miyatakei* Ishikawa, 1968: 197, by original designation.

***Acroseius* Błoszyk *et al*., 2005**

Acroseius Błoszyk, Halliday & Dylewska, 2005: 41.

Type species *Polyaspinus tuberculatus* Womersley, 1961b: 116, by original designation.

***Aegyptus* El-Bishlawy & Allam, 2007**

Aegyptus El-Bishlawy & Allam, 2007: 422.

Type species *Aegyptus rhynchophorus* El-Bishlawy & Allam, 2007: 422, by original designation.

***Afrodinychus* Kontschán & Starý, 2013**

Afrodinychus Kontschán & Starý, 2013: 274.

Type species *Afrodinychus africanus* Kontschán & Starý, 2013: 275, by original designation.

***Afrotrachytes* Kontschán, 2006**

Afrotrachytes Kontschán, 2006a: 2.

Type species *Afrotrachytes seticaudatus* Kontschán, 2006a: 2, by original designation.

***Allocircocylliba* Marais & Loots, 1981**

Allocircocylliba Marais & Loots, 1981b: 139.

Type species *Allocircocylliba machadoi* Marais & Loots, 1981b: 141, by original designation.

***Allodinychus* Trägårdh, 1943**

Allodinychus Trägårdh, 1943: 18.

Type species *Dinychus flagelliger* Berlese, 1910b: 378, by original designation.

***Amerorotunda* Kontschán, 2010**

Depressorotunda (*Amerorotunda*) Kontschán, 2010b: 105.

Type species *Depressorotunda* (*Amerorotunda*) *ecuadorica* Kontschán, 2010b: 105, by original designation.

***Angulobaloghia* Hirschmann, 1979**

Angulobaloghia Hirschmann, 1979b: 61.

Type species *Rotundabaloghia angulogynella* Hirschmann, 1975c: 30, by original designation.

***Antennequesoma* Sellnick, 1926**

Antennequesoma Sellnick, 1926: 51.

Type species *Antennequesoma reichenspergeri* Sellnick, 1926: 51, by original designation.

Notes. The genus name has been incorrectly spelled as *Antennoquesoma* by some authors.

***Apionoseius* Berlese, 1904**

Apionoseius Berlese, 1904b: 21.

Type species *Trachytes* ? *lagenaeformis* Berlese, 1904b: 21, by monotypy.

***Appendiculobovella* Hirschmann, 1979**

Appendiculobovella Hirschmann, 1979b: 63.

Type species *Dinychus appendiculatus* Berlese, 1910a: 245, by original designation.

***Arculatatrachys* Hirschmann, 1979**

Arculatatrachys Hirschmann, 1979b: 67.

Type species *Trachyuropoda arculata* Hirschmann, 1975j: 102, by original designation.

***Armaturopoda* Athias-Binche, 1981**

Armaturopoda Athias-Binche, 1981a: 169 (*nomen nudum*)

Notes. Athias-Binche (1981a: 169; 1989: 313, and elsewhere) referred to a species "*Armaturopoda coriacea* Athias-Binche, 1981" without providing any description of the genus or species. This appears to refer to a genus and species that were described in an unpublished thesis, so these names are not available from that source. Hirschmann (1989: 164) described the same species as *Uroobovella coriacea* Hirschmann, 1989, but the genus name *Armaturopoda* remains unavailable.

***Atrema* Schuster & Summers, 1978**

Atrema Schuster & Summers, 1978: 335.

Type species *Atrema parvula* Schuster & Summers, 1978: 335, by original designation.

***Australiuropoda* Hirschmann, 1979**

Australiuropoda Hirschmann, 1979b: 59.

Type species *Uropoda* (*Phaulodinychus*) *australiensis* Hiramatsu & Hirschmann, 1978b: 102, by original designation.

***Australocilliba* Athias-Binche & Błoszyk, 1988**

Australocilliba Athias-Binche & Błoszyk, 1988: 1.

Type species *Australocilliba kuchtaorum* Athias-Binche & Błoszyk, 1988: 2, by original designation.

***Austrodinychus* Trägårdh, 1952**

Austrodinychus Trägårdh, 1952: 85.

Type species *Austrodinychus micronychus* Trägårdh, 1952: 86, by original designation.

***Austruropoda* Womersley, 1955**

Austruropoda Womersley, 1955: 427.

Type species *Austruropoda tasmanica* Womersley, 1955: 427, by original designation.

***Baloghiatrigon* Hirschmann, 1979**

Baloghiatrigon Hirschmann, 1979b: 61.

Type species *Trigonuropoda cubabaloghia* Hirschmann, 1975g: 66, by original designation.

***Baloghibrasiluropoda* Hirschmann, 1973**

Baloghibrasiluropoda Hirschmann, 1973a: 100.

Type species *Baloghibrasiluropoda foveatoides* Hirschmann, 1973a: 101, by original designation.

***Baloghicyllibula* Hirschmann, 1977**

Cyllibula (*Baloghicyllibula*) Hirschmann & Huțu, 1974: 16 (*nomen nudum*)

Cyllibula (*Baloghicyllibula*) Zirngiebl-Nicol & Hirschmann, 1977: 114 (*nomen nudum*)

Cyllibula (*Baloghicyllibula*) Hirschmann, 1977b: 85.

Type species *Cyllibula* (*Baloghicyllibula*) *baloghi* Zirngiebl-Nicol & Hirschmann, 1977: 122, by original designation.

Notes. Hirschmann & Huțu (1974: 16) and Zirngiebl-Nicol & Hirschmann (1977: 114) used the name *Cyllibula* (*Baloghicyllibula*), but did not provide any description to make this name available. The genus name has been incorrectly spelled as *Baloghcyllibula* by some authors.

***Baloghjkaszabia* Hirschmann, 1973**

Baloghjkaszabia Hirschmann, 1973b: 103.

Type species *Baloghjkaszabia baloghi* Hirschmann, 1973c: 105, by original designation.

Notes. The descriptions of the genus *Baloghjkaszabia* and its type species were published in two different papers, with the genus described before its type species. However, since these papers were bound together and published simultaneously, I consider both to be validly published and available.

***Baloghmacrodinychus* Hirschmann, 1979**

Baloghmacrodinychus Hirschmann, 1979b: 65.
Type species *Macrodinychus* (*Monomacrodinychus*) *baloghi* Hirschmann, 1975e: 39; 1975f: 43, by original designation.

Notes. *Baloghmacrodinychus* Hirschmann, 1979 is an objective synonym of *Monomacrodinychus* Hirschmann, 1975, since both have the same type species.

***Baloghurella* Hirschmann, 1979**

Baloghurella Hirschmann, 1979b: 59.
Type species *Discourella baloghi* Hirschmann & Zirngiebl-Nicol, 1969c: 32, by original designation.

***Berleseoplitis* Hirschmann, 1979**

Berleseoplitis Hirschmann, 1979b: 68.
Type species *Uroplitella minutissima* Berlese, 1903: 250, by original designation.

***Bloszykiella* Kontschán, 2010**

Bloszykiella Kontschán, 2010a: 63.
Type species *Bloszykiella africana* Kontschán, 2010a: 64, by original designation.

***Boerihemia* Haitlinger, 1995**

Boerihemia Haitlinger, 1995: 91.
Type species *Boerihemia ajzoni* Haitlinger, 1995: 91, by original designation.

***Bostocktrachys* Hirschmann, 1979**

Bostocktrachys Hirschmann, 1979b: 67.
Type species *Glyphopsis bostocki* Michael, 1894: 301, by original designation.

***Brachytremella* Trägårdh, 1946**

Brachytremella Trägårdh, 1946: 384.
Type species *Brachytremella spinosa* Trägårdh, 1946: 385, by original designation.

***Brachytremelloides* Womersley, 1961**

Brachytremelloides Womersley, 1961c: 24.
Type species *Brachytremelloides striata* Womersley, 1961c: 24, by original designation.

***Brasiluropoda* Hirschmann, 1979**

Brasiluropoda Hirschmann & Zirngiebl-Nicol, 1964: 2 (*nomen nudum*).
Brasiluropoda Hirschmann, 1979b: 66.
Type species *Brasiluropoda willmanni* Hirschmann & Zirngiebl-Nicol, 1969f: 50, by original designation.

Notes. The name *Brasiluropoda* Hirschmann & Zirngiebl-Nicol, 1964 is not available because the genus did not include a validly described type species.

***Bregetovamacrodinychus* Hirschmann, 1979**

Bregetovamacrodinychus Hirschmann, 1979b: 65.

Type species *Macrodinychus* (*Monomacrodinychus*) *bregetovaae* Hirschmann, 1975f: 40, by original designation.

***Calotrachytes* Berlese, 1916**

Polyaspis (*Calotrachytes*) Berlese, 1916a: 28.

Type species *Trachynotus sclerophyllus* Michael, 1908: 145, by original designation.

Notes. Vitzthum (1942: 790) stated that the type species of *Calotrachytes* is *Trachynotus fimbriatus* Michael, 1908, but that appears to be an error.

***Calurodiscus* Radford, 1950**

Calurodiscus Radford, 1950: 50.

Type species *Urodiscus obesus* Berlese, 1916b: 138, by original designation.

Notes. *Calurodiscus* Radford, 1950 is a replacement name for *Urodiscus* Berlese, 1916, which is a junior homonym of *Urodiscus* Sclater, 1860 (Aves).

***Caluropoda* Berlese, 1916**

Uropoda (*Caluropoda*) Berlese, 1916b: 142.

Type species *Uropoda* (*Caluropoda*) *pergibba* Berlese, 1905: 157, by original designation.

Notes. The genus name has been incorrectly spelled as *Calouropoda* by some authors.

***Caminella* Krantz & Ainscough, 1960**

Caminella Krantz & Ainscough, 1960: 27.

Type species *Caminella peraphora* Krantz & Ainscough, 1960: 28, by monotypy.

***Capitodiscus* Vitzthum, 1931**

Capitodiscus Vitzthum, 1931: 144.

Type species *Discopoma venusta* Berlese, 1884: 5, by monotypy of *Discopoma* (*Cephalodiscus*) Berlese, 1917: 12.

Notes. *Cephalodiscus* Berlese, 1917 is a junior homonym of *Cephalodiscus* M'Intosh, 1882 (Pterobranchia), and was replaced by *Capitodiscus* Vitzthum, 1931.

***Cariboplitis* Sellnick, 1963**

Cariboplitis Sellnick, 1963: 42.

Type species *Cariboplitis testigosensis* Sellnick, 1963: 42, by original designation.

***Castrichovella* Wiśniewski & Hirschmann, 1990**

Castrichovella Wiśniewski & Hirschmann, 1990: 113.

Type species *Castrichovella mesoafricana* Wiśniewski & Hirschmann, 1990: 114, by original designation.

***Castriidinychus* Hirschmann, 1973**

Castriidinychus Hirschmann, 1973f: 158.
Type species *Uroobovella castrii* Hirschmann, 1972a: 11, by original designation.

***Castriimonaspis* Hirschmann, 1984**

Castriimonaspis Hirschmann, 1984d: 141.
Type species *Urodiaspis castrii* Hirschmann, 1972b: 14, by original designation.

***Castrinenteria* Hirschmann, 1979**

Castrinenteria Hirschmann, 1979b: 65.
Type species *Nenteria castrii* Hirschmann, 1972f: 17, by original designation.

***Castritrachys* Hirschmann, 1979**

Castritrachys Hirschmann, 1979b: 67.
Type species *Trachyuropoda castrii* Hirschmann, 1975j: 102, by original designation.

***Centrouropoda* Berlese, 1916**

Uropoda (*Centrouropoda*) Berlese, 1916b: 142.
Type species *Uropoda rhombogyna* Berlese, 1910b: 379, by original designation.

***Cephalodiscus* Berlese, 1917**

Discopoma (*Cephalodiscus*) Berlese, 1917: 12.
Type species *Discopoma* (*Cephalodiscus*) *venusta* Berlese, 1884: 5, by monotypy.

Notes. *Cephalodiscus* Berlese, 1917 is a junior homonym of *Cephalodiscus* M'Intosh, 1882 (Pterobranchia), and was replaced by *Capitodiscus* Vitzthum, 1931.

***Cephalojanetia* Willmann, 1951**

Cephalojanetia Willmann, 1951: 122.
Type species *Cephalojanetia multituberosa* Willmann, 1951: 122, by original designation.

***Cephalouropoda* Berlese, 1903**

Cephalouropoda Berlese, 1903: 248.
Type species *Uropoda berlesiana* Berlese, 1887: 4, by original designation.

Notes. The genus name has been incorrectly spelled as *Cephaluropoda* by some authors.

***Cerodinychus* Berlese, 1917**

Notes. Karg (1989) lists *Cerodinychus* Berlese, 1917 as a synonym of *Trichouropoda*, but this seems to be a *nomen nudum*. It may be an even more obscure variant spelling of *Cerolinychus* Berlese, 1917, which is also a *nomen nudum*.

***Cerolinychus* Berlese, 1917**

Notes. Wiśniewski (2005) listed the genus name *Cerolinychus* Berlese, 1917 among the synonyms of *Trichouropoda* Berlese, 1916. The name *Cerolinychus* Berlese, 1917 also appears in a number of other internet databases. However, *Cerolinychus* Berlese, 1917 is not listed in the catalogues of Wiśniewski

(1993a, 1993b, 1993c), Wiśniewski & Hirschmann (1993) and Hirschmann (1993). I have been unable to find any description of this genus in Berlese (1917) or any other publication by any author, and I have not found any other reference to it in hundreds of books and papers on Uropodina. I consider it to be a *nomen nudum* until a description can be found.

***Ceyloniphorus* Hirschmann, 1979**

Ceyloniphorus Hirschmann, 1979b: 62.
Type species *Deriaophorus ceylonicus* Hirschmann, 1973g: 67, by original designation.

***Chelonuropoda* Sellnick, 1954**

Chelonuropoda Sellnick, 1954: 195.
Type species *Chelonuropoda bispirata* Sellnick, 1954: 196, by original designation.

***Chiropturopoda* Sellnick, 1958**

Uroactinia (*Chiropturopoda*) Sellnick, 1958: 274.
Type species *Uroactinia* (*Chiropturopoda*) *coprophila* Sellnick, 1958: 275, by original designation.

Notes. The genus name has been incorrectly spelled as *Chyropturopoda* or *Quiropturopoda* by some authors.

***Cilliba* von Heyden, 1826**

Cilliba von Heyden, 1826: 613.
Cillibano.—Gervais, 1844: 151 (incorrect subsequent spelling).
Type species *Notaspis cassideus* Hermann, 1804: 93, by original designation.

Notes. The genus name *Cilliba* has been incorrectly spelled as *Cylliba* by some authors. The name *Cillibano* in Gervais (1844) and later publications appears to be a misreading of the badly-printed name "*Cilliba* nob." in von Heyden (1826). The genus name *Cillibano* has also been spelled as *Cillibaeno* and *Cyllibano* by some authors, but none of these names is available (see also Michael, 1894; Hull, 1925).

***Circobaloghia* Kontschán, 2010**

Rotundabaloghia (*Circobaloghia*) Kontschán, 2010b: 33.
Type species *Rotundabaloghia ecuadorensis* Hirschmann, 1992: 91, by original designation.

***Circocylliba* Sellnick, 1926**

Circocylliba Sellnick, 1926: 40.
Type species *Circocylliba camerata* Sellnick, 1926: 40, by original designation.

Notes. Wiśniewski & Hirschmann (1993: 96) and Wiśniewski (1993b: 375) refer to a genus *Circocyllibanus* Krantz (1970, Fig. 45-3). However, Krantz (1970) did not use that name. Wiśniewski & Hirschmann (1993) and Wiśniewski (1993b) appear to be using an incorrect spelling of *Circocylliba* Sellnick, 1926.

***Clausiadinychus* Sellnick, 1930**

Clausiadinychus Sellnick, 1930: 168.
Type species *Clausiadinychus cristatus* Sellnick, 1930: 168, by original designation.

***Clivosurella* Hirschmann, 1979**

Clivosurella Hirschmann, 1979b: 59.

Type species *Discourella clivosa* Hirschmann, 1972c: 34, by original designation.

***Comydinychus* Berlese, 1917**

Comydinychus Berlese, 1917: 11.

Type species *Uropoda caputmedusae* Berlese in Berlese & Leonardi, 1901: 14, by original designation.

Notes. The genus name has been incorrectly spelled as *Comidinychus* by some authors.

***Congouropoda* Hirschmann & Hiramatsu, 1977**

Congouropoda Hirschmann & Hiramatsu, 1977a: 29.

Type species *Congouropoda johnstoni* Hirschmann & Hiramatsu, 1977a: 29, by original designation.

***Corbidinychus* Womersley, 1961**

Corbidinychus Womersley, 1961a: 107.

Type species *Corbidinychus corbicularis* Womersley, 1961a: 108, by monotypy.

***Cosmogynurella* Hirschmann, 1979**

Cosmogynurella Hirschmann, 1979b: 59.

Type species *Trachyuropoda* (*Discourella*) *cosmogyna* Berlese, 1910b: 378, by original designation.

***Coxequesoma* Sellnick, 1926**

Coxequesoma Sellnick, 1926: 47.

Type species *Coxequesoma collegianorum* Sellnick, 1926: 47, by original designation.

***Crinitodiscus* Sellnick, 1931**

Discopoma (*Crinitodiscus*) Sellnick, 1931: 721.

Type species *Discopoma* (*Crinitodiscus*) *beieri* Sellnick, 1931: 722, by original designation.

***Cristicepstrachys* Hirschmann, 1979**

Cristicepstrachys Hirschmann, 1979b: 67.

Type species *Uropoda cristiceps* Canestrini, 1884a: 702, by original designation.

***Cryptouropoda* Błoszyk, 1984**

Cryptouropoda Błoszyk, 1984: 70 (*nomen nudum*)

Notes. Błoszyk (1984) referred to a species "*Cryptouropoda baloghi* (Hirschmann & Z.-Nicol)", without providing any description of the genus or species. Wiśniewski (1993b: 375) correctly listed *Cryptouropoda* Błoszyk, 1984 as a *nomen nudum*, and identified the species as *Discourella baloghi* Hirschmann & Zirngiebl-Nicol, 1969c. Wiśniewski & Hirschmann (1993: 22) referred to this species as *Discourella baloghi* Hirschmann & Zirngiebl-Nicol, 1969, but the name *Cryptouropoda* has never been made available.

***Cyclacarus* Ewing, 1933**

Cyclacarus Ewing, 1933: 13.

Type species *Cyclacarus aberrans* Ewing, 1933: 14, by original designation.

***Cyclothura* Hull, 1925**

Urodinychus (*Cyclothura*) Hull, 1925: 203.

Type species not specified.

Notes. Hull (1925) included three species in his new subgenus *Urodinychus* (*Cyclothura*) but did not designate a type species.

***Cyllibula* Berlese, 1916**

Cillibano (*Cyllibula*) Berlese, 1916a: 23.
Type species *Cillibano* (*Cyllibula*) *infumata* Berlese, 1916a: 23, by original designation.

***Dendrouropoda* Willmann, 1959**

Dendrouropoda Willmann, 1959: 100.
Type species *Dendrouropoda schulzi* Willmann, 1959: 102, by original designation.

***Dentatadinychus* Hirschmann, 1979**

Dentatadinychus Hirschmann, 1979b: 61.
Type species *Uroobovella dentata* Hirschmann, 1972a: 11, by original designation.

***Dentibaiulus* Hirschmann, 1979**

Dentibaiulus Schuster, 1962: 407 (*nomen nudum*).
Dentibaiulus Hirschmann, 1979b: 61.
Type species *Deraiophorus adriaticus* Hirschmann & Zirngiebl-Nicol, 1972a: 15, by original designation.

Notes. Schuster (1962) used the name "*Dentibaiulus adriaticus* (mihi, i. litt.)", but the descriptions of this genus and species were apparently never published. Hirschmann & Zirngiebl-Nicol (1972a) listed the name *Dentibaiulus adriaticus* Schuster, 1962 as a *nomen nudum*, and described Schuster's species as *Deriaophorus adriaticus* Hirschmann & Zirngiebl-Nicol, 1972. Hirschmann (1979b) then made the name *Dentibaiulus* available for the first time.

***Dentidinychus* Sellnick, 1926**

Dentidinychus Sellnick, 1926: 30.
Type species *Dentidinychus zikani* Sellnick, 1926: 31, by original designation.

***Depressorotunda* Kontschán, 2010**

Depressorotunda Kontschán, 2010c: 1462.
Type species *Depressorotunda malayana* Kontschán, 2010c: 1462, by original designation.

***Deraiophorus* Canestrini, 1897**

Deraiophorus Canestrini, 1897: 471.
Type species *Deraiophorus chyzeri* Canestrini, 1897: 471, designated by Vitzthum, 1942.

Notes. The genus name has been incorrectly spelled as *Doraiophorus* or *Doralophorus* by some authors. The name of the type species has been incorrectly spelled as *chyceri* by some authors.

Diarthrophallina Trägårdh, 1946

Notes. Hirschmann (1979b, page 70) included a taxon Diarthrophallina Trägårdh, 1946 in his list of *Stadiengattungen*, in the same style and format as other *Stadiengattungen* (= genera). It could therefore be mistaken for the name of a genus. However, this is not the name of a genus, but of a taxon above the superfamily level.

***Diarthrophallus* Trägårdh, 1946**

Diarthrophallus Trägårdh, 1946: 370.

Type species *Uroseius quercus* Pearse & Wharton in Pearse *et al*., 1936: 478, by original designation.

***Dicornutophorus* Hirschmann, 1979**

Dicornutophorus Hirschmann, 1979b: 62.

Type species *Deriaophorus dicornutosimilis* Hirschmann, 1973g: 63, by original designation.

***Didepressorotunda* Kontschán, 2010**

Didepressorotunda Kontschán, 2010b: 102.

Type species *Rotundabaloghia auriculata* Hirschmann in Hirschmann & Hiramatsu, 1992: 11, by original designation.

***Dinychella* Berlese, 1888**

Dinychella Berlese, 1888c: 9.

Type species *Dinychella asperata* Berlese, 1888c: 9, by monotypy.

***Dinychopsis* Berlese, 1916**

Phaulodinychus (*Dinychopsis*) Berlese, 1916b: 137.

Type species *Dinychopsis fractus* Berlese, 1916b: 137, by original designation.

***Dinychura* Berlese, 1913**

Trachyuropoda (*Dinychura*) Berlese, 1913: 85.

Type species *Trachyuropoda* (*Urojanetia*) *rectangula* Berlese, 1913: 85, by monotypy.

***Dinychus* Kramer, 1886**

Dinychus Kramer, 1886: 255.

Type species *Dinychus perforatus* Kramer, 1886: 255, by original designation.

Notes. The genus name has been incorrectly spelled as *Dynichus* by some authors. Some authors have stated that *D. perforatus* was described by Kramer (1882), but that appears to be an error.

***Diphaulocylliba* Vitzthum, 1925**

Diphaulocylliba Vitzthum, 1925a: 50.

Type species *Phaulocylliba amplior* Berlese, 1923: 50, by original designation.

***Diploaspis* sensu Błoszyk, 1999**

Notes. Błoszyk (1999, pages 130 and 240) used the name *Polyaspis* (*Diploaspis*) *sansonei* for a species of Uropodina. This appears to be an error for *Polyaspis* (*Dipolyaspis*) *sansonei*. *Diploaspis* is a genus of fossil Arachnida.

***Dipolyaspis* Berlese, 1916**

Dipolyaspis Berlese, 1916c: 294.

Type species *Polyaspis* (*Dipolyaspis*) *sansonei* Berlese, 1916c: 294, by original designation.

***Discopoma* G & R Canestrini, 1882**

Discopoma G & R Canestrini, 1882a: 925.

Type species *Discopoma clypeata* G & R Canestrini, 1882a: 925, by original designation.

***Discotrachytes* Berlese, 1916**

Eutrachytes (*Discotrachytes*) Berlese, 1916a: 28.
Type species *Discotrachytes splendidiformis* Berlese, 1916a: 28, by original designation.

***Discourella* Berlese, 1910**

Trachyuropoda (*Discourella*) Berlese, 1910b: 378.
Type species *Trachyuropoda* (*Discourella*) *discopomoides* Berlese, 1910b: 378, by original designation.

Notes. *Trachyuropoda* (*Discourella*) *discopomoides* Berlese, 1910 has been considered as a synonym of *Discopoma venusta* Berlese, 1884: 5 (by Baker & Wharton, 1952), and *Celaeno modesta* Leonardi, 1899: 924 (by Radford, 1950). Vitzthum (1942: 789) listed *C*. *modesta* as the type species of *Discourella*, apparently on the basis of this synonymy. The genus name has been incorrectly spelled as *Discurella* by some authors.

***Dithinozercon* Berlese, 1916**

Thinozercon (*Dithinozercon*) Berlese, 1916c: 295.
Type species *Thinozercon* (*Dithinozercon*) *halberti* Berlese, 1916c: 295, by original designation.

Notes. According to Hirschmann & Zirngiebl-Nicol (1967), *Thinozercon* (*Dithinozercon*) *halberti* Berlese, 1916 is a synonym of *Celaeno infirma* Berlese, 1888a: 5 and *Apionoseius dubiosus* Vitzthum, 1924b: 12.

***Diurodinychus* Berlese, 1916**

Urodinychus (*Diurodinychus*) Berlese, 1916a: 27.
Type species *Urodiaspis* (*Diurodinychus*) *rectangulovatus* Berlese, 1916a: 27, by original designation.

***Dobrogensisnenteria* Hirschmann, 1985**

Dobrogensisnenteria Hirschmann, 1985a: 10.
Type species *Nenteria dobrogensis* Feider & Hutu, 1971: 335, by original designation.

***Dynurella* Athias-Binche, 1988**

Janetiella (*Dynurella*) Athias-Binche, 1988: 15.
Type species *Janetiella* (*Dynurella*) *stoechas* Athias-Binche, 1988: 15, by monotypy.

***Dyscritaspis* Camin, 1953**

Dyscritaspis Camin, 1953: 345.
Type species *Dyscritaspis whartoni* Camin, 1953: 346, by original designation.

Notes. The genus name has been incorrectly spelled as *Dyscritiaspis* and *Dyskritaspis* by some authors.

***Editella* Kontschán, 2011**

Editella Kontschán, 2011: 54.
Type species *Editella thailandica* Kontschán, 2011: 55, by original designation.

***Elegansovella* Hirschmann, 1989**

Elegansovella Hirschmann, 1989: 102.
Type species *Deraiophorus elegans* Canestrini, 1897: 472, by original designation.

***Eucylliba* Berlese, 1917**

Eucylliba Berlese, 1917: 13.
Type species *Cilliba bordagei* Oudemans, 1912b: 87, by original designation.

Notes. The genus name has been incorrectly spelled as *Encylliba* by some authors.

***Eurysternodes* Schuster & Summers, 1978**

Eurysternodes Schuster & Summers, 1978: 303.
Type species *Brachytremella tragardhi* Womersley, 1961c: 16, by original designation.

Notes. The genus name has been incorrectly spelled as *Eurystenodes* by some authors.

***Eutrachytes* Berlese, 1914**

Eutrachytes Berlese, 1914: 132.
Type species *Celaeno truncata* Berlese, 1888b: 213, by original designation.

***Excavatatrachys* Hirschmann, 1979**

Excavatatrachys Hirschmann, 1979b: 67.
Type species *Glyphopsis coccinea* var. *excavata* Wasmann, 1899: 165, by original designation.

***Foliatrachys* Hirschmann, 1979**

Foliatrachys Hirschmann, 1979b: 67.
Type species *Trachyuropoda foliitricha* Hirschmann, 1977a: 59, by original designation.

***Formosaobovella* Hirschmann, 1979**

Formosaobovella Hirschmann, 1979b: 63.
Type species *Uroobovella formosana* Phillipsen & Coppel, 1978: 22, by original designation.

***Formosaurella* Hirschmann, 1979**

Formosaurella Hirschmann, 1979b: 59.
Type species *Discourella formosa* Hirschmann, 1972c: 38, by original designation.

***Foveolatatrigon* Hirschmann, 1979**

Foveolatatrigon Hirschmann, 1979b: 61.
Type species *Trigonuropoda difoveolata* Hirschmann, 1975g: 67, by original designation.

***Foveolaturopoda* Hirschmann, 1979**

Foveolaturopoda Hirschmann, 1979b: 58.
Type species *Uropoda* (*Phaulodinychus*) *difoveolata* Hirschmann & Zirngiebl-Nicol, 1969b: 22, by original designation.

***Fuscuropoda* Vitzthum, 1924**

Uropoda (Fuscuropoda) Vitzthum, 1924a: 360.
Type species *Notaspis marginatus* Koch, 1839: 22, by original designation.

Notes. The genus name has been incorrectly spelled as *Fuscouropoda* by some authors. *Notaspis marginatus* is considered to be a junior subjective synonym of *Acarus vegetans* De Geer, 1768 (for example, by Farrier & Hennessey, 1993).

***Gerlachurella* Hirschmann, 1979**

Gerlachurella Hirschmann, 1979b: 59.

Type species *Discourella gerlachi* Hirschmann, 1972c: 33, by original designation.

***Gibbauropoda* Hirschmann, 1979**

Gibbauropoda Hirschmann, 1979b: 58.

Type species *Uropoda* (*Uropoda*) *gibba* Hiramatsu, 1976: 57, by original designation.

***Gitodinychus* Berlese, 1918**

Urodinychus (*Gitodinychus*) Berlese, 1918: 178.

Type species *Urodinychus hieroglyphicus* Berlese, 1916a: 26, by original designation.

Notes. Berlese (1918) designated "*Urodinychus hyeroglyphicus* Berl." as the type species of *Urodinychus* (*Gitodinychus*). This appears to refer to *Urodinychus hieroglyphicus* Berlese, 1916a: 26. Hirschmann (1979b: 65) also referred to *Urodinychus hyeroglyphicus* Berlese, 1916a: 26.

***Glyphopsis* Michael, 1894**

Glyphopsis Michael, 1894: 295.

Type species *Uropoda formicariae* Michael in Lubbock, 1881: 386, designated by Hull, 1918: 46.

Notes. The genus name has been incorrectly spelled as *Glypopsis* by some authors. The name of the type species has been incorrectly spelled as *formicaria* by some authors. *Urotrachytes* Berlese, 1904 is an objective junior synonym of *Glyphopsis* Michael, 1894.

***Graecatrachys* Hirschmann, 1979**

Graecatrachys Hirschmann, 1979b: 67.

Type species *Trachyuropoda graeca* Sellnick, 1931: 736, by original designation.

***Habeogula* Elzinga, 1989**

Habeogula Elzinga, 1989: 341.

Type species *Habeogula cauda* Elzinga, 1989: 343, by monotypy.

***Haluropoda* Halbert, 1915**

Haluropoda Halbert, 1915: 87.

Type species *Haluropoda interrupta* Halbert, 1915: 88, by original designation.

Notes. The genus name has been incorrectly spelled as *Halouropoda* by some authors.

***Heterodinychus* Berlese, 1916**

Phaulodinychus (*Heterodinychus*) Berlese, 1916b: 137.

Type species *Uropoda orchestiidarum* Barrois, 1887: 328, by original designation.

***Hildaehirschmannia* Wiśniewski, 1995**

Hildaehirschmannia Wiśniewski, 1995: 21.

Type species *Hildaehirschmannia coleopterophila* Wiśniewski, 1995: 21, by original designation.

***Hiramatsulaqueata* Hirschmann, 1984**

Laqueaturopoda (*Hiramatsulaqueata*) Hirschmann, 1984a: 37.

Type species *Uropoda* (*Phaulodinychus*) *laqueatasimilis* Hiramatsu & Hirschmann, 1979: 17, by original designation.

***Hirtitrichocylliba* Hirschmann, 1979**

Hirtitrichocylliba Hirschmann, 1979b: 64.
Type species *Discopoma hirticoma* Berlese, 1903: 246, by original designation.

Notes. The genus name has been incorrectly spelled as *Hirtitrichocyllibula* by some authors.

***Hoplitis* Berlese, 1884**

Oplitis Berlese, 1884: 9.
Hoplitis Berlese, 1916a: 67 (unjustified emendation, unavailable name)
Type species *Uropoda paradoxa* Canestrini & Berlese in Berlese, 1884: 9, by monotypy.

Notes. Berlese (1916a: 67) emended *Oplitis* Berlese, 1884 to *Hoplitis*. However, *Hoplitis* Berlese, 1916 is an unjustified emendation, and is also a homonym of *Hoplitis* Hübner, 1819 (Lepidoptera). *Uroplitella* Berlese, 1903 is an objective synonym of *Oplitis* Berlese, 1884.

***Hutufeideria* Hirschmann & Hiramatsu, 1977**

Hutufeideria Hirschmann & Hiramatsu, 1977b: 69.
Type species *Hutufeideria hutuae* Hirschmann & Hiramatsu, 1977b: 69, by original designation.

***Hyllosihemia* Haitlinger, 1995**

Hyllosihemia Haitlinger, 1995: 91.
Type species *Hyllosihemia belerofoni* Haitlinger, 1995: 93, by original designation.

***Indotrachytes* Deb & Raychaudhuri, 1965**

Indotrachytes Deb & Raychaudhuri, 1965: 122.
Type species *Indotrachytes longisetus* Deb & Raychaudhuri, 1965: 122, by original designation.

Notes. Deb & Raychaudhuri (1965) spelled the name of this genus as *Indrotrachytes* (twice) and *Indotrachytes* (three times). I interpret *Indotrachytes* as the correct spelling, since it appears to be based on the country of origin of the type species (India).

***Interrupturopoda* Hirschmann, 1979**

Interrupturopoda Hirschmann, 1979b: 58.
Type species *Uropoda* (*Phaulodinychus*) *interrupta* Hirschmann, 1972d: 80, by original designation.

***Iphidinychus* Berlese, 1913**

Epicroseius (*Iphidinychus*) Berlese, 1913: 84.
Type species *Epicroseius* (*Iphidinychus*) *manicatus* Berlese, 1913: 84, by monotypy.

Notes. *Iphidinychus* was described as a subgenus of *Epicroseius* Berlese, 1904 (Sejina, not Uropodina). Wiśniewski & Hirschmann (1993) incorrectly showed the original combination as *Echinoseius* (*Iphidinychus*) *manicatus* Berlese, 1913: 84. *Echinoseius* is a genus in the Phytoseiidae.

***Ipiduropoda* Hirschmann, 1986**

Ipiduropoda Sellnick in Francke-Grosmann, 1952: 45 (*nomen nudum*).

Ipiduropoda Hirschmann, 1986b: 148.
Type species *Trichouropoda* (*Ipiduropoda*) *dalarnaensis* Hirschmann & Zirngiebl-Nicol, 1961: 24, by original designation.

Notes. Sellnick (in Francke-Grosmann, 1952) used the name "*Ipiduropoda dalarnaensis* nov. spec. nov. gen." but did not describe the genus or species. Hirschmann & Zirngiebl-Nicol (1961) provided descriptive information about the subgenus *Trichouropoda* (*Ipiduropoda*) (pages 21–22) and *Trichouropoda* (*Ipiduropoda*) *dalarnaensis* (pages 24–25). However, they included two species in *Ipiduropoda* and did not designate a type species, so the genus name is not available from that source. Hirschmann (1978) described the same species as *Trichouropoda dalarnaensis* Hirschmann, 1978, and Hirschmann (1979b) referred to it as "*Trichouropoda* (*Ipiduropoda*) *dalarnaensis* (Sellnick 1952 i. l.)". Athias-Binche (1984) referred to this species as "*Ipiduropoda dalarnaensis* Sellnick (1952)". The genus name *Ipiduropoda* was finally made available by Hirschmann, 1986b: 148. The genus name has been incorrectly spelled as *Iphiduropoda* by some authors.

***Janetiella* Berlese, 1904**
Trachyuropoda (*Janetiella*) Berlese, 1904c: 352.
Type species *Uropoda coccinea* Michael, 1891: 646, by original designation.

Notes. *Trachyuropoda* (*Janetiella*) Berlese, 1904 is a junior homonym of *Janetiella* Keiffer, 1898 (Diptera), and was replaced by *Trachyuropoda* (*Urojanetia*) Berlese, 1913.

***Jedediella* Kontschán & Starý, 2012**
Jedediella Kontschán & Starý, 2012: 26.
Type species *Jedediella horneri* Kontschán & Starý, 2012: 27, by original designation.

***Jerzywisniewskia* Hirschmann, 1979**
Jerzywisniewskia Hirschmann, 1979b: 59.
Type species *Discopoma depilata* Trouessart, 1902: 45, by original designation.

***Karguropoda* Hirschmann, 1979**
Karguropoda Hirschmann, 1979b: 58.
Type species *Uropoda* (*Uropoda*) *kargi* Hirschmann & Zirngiebl-Nicol, 1969b: 24, by original designation.

***Kaszabbrasiluropoda* Hirschmann, 1979**
Kaszabbrasiluropoda Hirschmann, 1979b: 66.
Type species *Brasiluropoda kaszabi* Zirngiebl-Nicol & Hirschmann, 1975: 460, by original designation.

***Kaszabcyllibula* Hirschmann, 1979**
Kaszabcyllibula Hirschmann, 1979b: 63.
Type species *Cyllibula* (*Baloghicyllibula*) *kaszabi* Zirngiebl-Nicol & Hirschmann, 1977: 114, by original designation.

***Kaszabiatrigon* Hirschmann, 1979**
Kaszabiatrigon Hirschmann, 1979b: 61.
Type species *Trigonuropoda trichokaszabia* Hirschmann, 1975g: 74, by original designation.

***Kaszabjbaloghia* Hirschmann, 1973**

Kaszabjbaloghia Hirschmann, 1973b: 103.

Type species *Kaszabjbaloghia kaszabi* Hirschmann, 1973d: 108.

Notes. The descriptions of the genus *Kaszabjbaloghia* and its type species were published in two different papers, with the genus described before its type species. However, since these papers were bound together and published simultaneously, I consider both to be validly published and available.

***Labyrinthuropoda* Trägårdh, 1952**

Labyrinthuropoda Trägårdh, 1952: 73.

Type species *Labyrinthuropoda mystacina* Trägårdh, 1952: 74, by original designation.

***Laqueaturopoda* Hirschmann, 1979**

Laqueaturopoda Hirschmann, 1979b: 58.

Type species *Uropoda* (*Phaulodinychus*) *laqueata* Hirschmann, 1972d: 91, by original designation.

***Latipilitrigon* Hirschmann, 1979**

Latipilitrigon Hirschmann, 1979b: 61.

Type species *Trigonuropoda latipilis* Hirschmann, 1975g: 80, by original designation.

***Latotutulioplitis* Hirschmann, 1984**

Latotutulioplitis Hirschmann, 1984h: 175.

Type species *Oplitis latotutuli* Hirschmann, 1984g: 162, by original designation.

***Leiodinychus* Berlese, 1917**

Urodinychus (*Leiodinychus*) Berlese, 1917: 12.

Type species *Uropoda krameri* Canestrini, 1884a: 700, by original designation.

Notes. The genus name has been incorrectly spelled as *Liodinychus* by some authors.

***Leonardiella* Berlese, 1904**

Trachyuropoda (*Leonardiella*) Berlese, 1904c: 367.

Type species *Uropoda canestriniana* Berlese, 1891: 4, by original designation.

***Lindquistidiaspis* Hirschmann, 1984**

Lindquistidiaspis Hirschmann, 1984d: 141.

Type species *Urodiaspis lindquisti* Hirschmann, 1979a: 7, by original designation.

***Lindquisttrachys* Hirschmann, 1979**

Lindquisttrachys Hirschmann, 1979b: 67.

Type species *Trachyuropoda lindquisti* Hirschmann, 1976b: 45, by original designation.

***Liranotus* Schuster & Summers, 1978**

Liranotus Schuster & Summers, 1978: 372.

Type species *Liranotus liratus* Schuster & Summers, 1978: 375, by original designation.

Notes. The genus name has been incorrectly spelled as *Lironatus* by some authors.

***Loksamacrodinychus* Hirschmann, 1979**

Loksamacrodinychus Hirschmann, 1979b: 65.

Type species *Macrodinychus* (*Monomacrodinychus*) *loksai* Hirschmann, 1975f: 42, by original designation.

***Loksaphorus* Hirschmann, 1979**

Loksaphorus Hirschmann, 1979b: 62.

Type species *Deriaophorus loksaisimilis* Hirschmann, 1973g: 62, by original designation.

***Lombardiniella* Womersley, 1961**

Lombardiniella Womersley, 1961c: 23.

Type species *Lombardiniella lombardinii* Womersley, 1961c: 23, by original designation.

***Lonchothura* Hull, 1925**

Urodinychus (*Lonchothura*) Hull, 1925: 203.

Type species not specified.

Notes. Hull (1925) included seven species in his new subgenus *Urodinychus* (*Lonchothura*) but did not designate a type species.

***Longicarinaturella* Hirschmann, 1979**

Longicarinaturella Hirschmann, 1979b: 59.

Type species *Discourella longicarinata* Hirschmann, 1972c: 40, by original designation.

***Longitrichanenteria* Hirschmann, 1985**

Longitrichanenteria Hirschmann, 1985b: 19.

Type species *Nenteria longitricha* Hirschmann, 1972g: 8, by original designation.

***Macrodinychus* Berlese, 1917**

Urodinychus (Macrodinychus) Berlese, 1917: 12.

Type species *Urodinychus parallelepipedus* Berlese, 1916b: 142, by original designation.

***Magnacyllibula* Hirschmann, 1979**

Magnacyllibula Hirschmann, 1979b: 63.

Cyllibula (*Wagenaaria*) Błoszyk & Athias-Binche, 1986: 164.

Type species *Cyllibula* (*Baloghicyllibula*) *magna* Zirngiebl-Nicol & Hirschmann, 1977: 117, by original designation.

***Magnatrachys* Hirschmann, 1979**

Magnatrachys Hirschmann, 1979b: 66.

Type species *Uropoda magna* Leonardi in Berlese, 1895: 316, by original designation.

***Mahunkabrasiluropoda* Hirschmann, 1979**

Mahunkabrasiluropoda Hirschmann, 1979b: 66.

Type species *Brasiluropoda mahunkai* Zirngiebl-Nicol & Hirschmann, 1975: 458, by original designation.

***Malagana* Kontschán & Starý, 2014**

Malagana Kontschán & Starý, 2014: 556.

Type species *Malagana rotunda* Kontschán & Starý, 2014: 556, by original designation.

***Malasudis* Schuster & Summers, 1978**

Malasudis Schuster & Summers, 1978: 315.

Type species *Malasudis tribulus* Schuster & Summers, 1978: 315, by original designation.

***Manuleatophorus* Hirschmann, 1979**

Manuleatophorus Hirschmann, 1979b: 62.

Type species *Deriaophorus manuleatus* Hiramatsu & Hirschmann, 1978a: 16, by original designation.

***Marginalidinychus* Hirschmann, 1979**

Marginalidinychus Hirschmann, 1979b: 60.

Type species *Uroobovella marginalis* Hirschmann & Zirngiebl-Nicol, 1972c: 116, by original designation.

***Marginura* Sellnick, 1926**

Marginura Sellnick, 1926: 38.

Type species *Marginura adhaerens* Sellnick, 1926: 38, by original designation.

***Mayaphorus* Hirschmann, 1979**

Mayaphorus Hirschmann, 1979b: 62.

Type species *Eutrachytes maya* Krantz, 1969: 64, by original designation.

***Metadinychus* Berlese, 1916**

Metadinychus Berlese, 1916b: 135.

Type species *Metadinychus argasiformis* Berlese, 1916b: 135, by original designation.

***Metagynella* Berlese, 1919**

Metagynella Berlese in Trouessart & Berlese, 1919: 4.

Type species *Metagynella paradoxa* Berlese in Trouessart & Berlese, 1919: 4, by original designation.

***Metagynura* Balogh, 1943**

Metagynura Balogh, 1943: 33.

Type species *Metagynura carpathica* Balogh, 1943: 33, by original designation.

***Michaeliella* Berlese, 1904**

Trachyuropoda (*Michaeliella*) Berlese, 1904c: 307.

Type species *Uropoda festiva* Berlese, 1888b: 209, by original designation.

Notes. *Trachyuropoda* (*Michaeliella*) Berlese, 1904 is an objective synonym of *Trachyuropoda* (*Trachyuropoda*) Berlese, 1888.

***Microcylliba* Berlese, 1916**

Cyllibano (*Microcylliba*) Berlese, 1916b: 137.

Type species *Cyllibano* (*Microcylliba*) *misella* Berlese, 1916b: 138, by original designation.

***Microgynium* Trägårdh, 1942**

Microgynium Trägårdh, 1942b: 122.

Type species *Microgynium rectangulatum* Trägårdh, 1942b: 122, by original designation.

***Microsejus* Trägårdh, 1942**

Microsejus Trägårdh, 1942b: 128.

Type species *Microsejus truncicola* Trägårdh, 1942b: 128, by original designation.

***Minyplax* Schuster & Summers, 1978**

Minyplax Schuster & Summers, 1978: 313.

Miniplax Schuster & Summers, 1978: 313, 385.

Type species *Miniplax africanus* Schuster & Summers, 1978: 313, by original designation.

Notes. Schuster & Summers (1978) spelled the name of this genus as both *Minyplax* (six times) and *Miniplax* (four times). The spelling *Minyplax* has achieved a clear majority of subsequent usage, at least in electronic publications, so I consider it to be the correct spelling.

***Mixturopoda* Baker & Monson, 2007**

Mixturopoda Baker & Monson, 2007: 2.

Type species *Mixturopoda evansi* Baker & Monson, 2007: 4, by monotypy.

***Monomacrodinychus* Hirschmann, 1975**

Macrodinychus (*Monomacrodinychus*) Hirschmann, 1975d: 35.

Type species *Macrodinychus* (*Monomacrodinychus*) *baloghi* Hirschmann, 1975e: 39; 1975f: 43, by original designation.

Notes. The descriptions of *Macrodinychus* (*Monomacrodinychus*) and its type species were published in two different papers, with the genus described before its type species. However, since these papers were bound together and published simultaneously, I consider both to be validly published and available.

***Morvihemia* Haitlinger, 1995**

Morvihemia Haitlinger, 1995: 93.

Type species *Morvihemia ghizari* Haitlinger, 1995: 93, by original designation.

Notes. Haitlinger (1995) spelled the name of the type species as *Morvihemia ghizari* four times, and as *Morvihemia ghirazi* once. I therefore interpret *Morvihemia ghizari* as the correct original spelling.

***Multidenturopoda* Wiśniewski & Hirschmann, 1991**

Multidenturopoda Wiśniewski & Hirschmann, 1991: 303.

Type species *Multidenturopoda camerunis* Wiśniewski & Hirschmann, 1991: 304, by original designation.

***Multiporuropoda* Hirschmann, 1979**

Multiporuropoda Hirschmann, 1979b: 58.

Type species *Uropoda* (*Phaulodinychus*) *multipora* Hirschmann & Zirngiebl-Nicol, 1969b: 21, by original designation.

***Nenteria* Oudemans, 1915**

Nenteria Oudemans, 1915: 185.

Type species *Uropoda tropica* Oudemans, 1905: 237, by original designation.

Notes. The genus name has been incorrectly spelled as *Neuteria* by some authors.

***Neobirophorus* Hirschmann, 1979**

Neobirophorus Hirschmann, 1979b: 62.

Type species *Deriaophorus neobiroi* Hirschmann, 1973g: 66, by original designation.

***Neodiscopoma* Vitzthum, 1942**

Neodiscopoma Vitzthum, 1942: 785.

Type species *Uropoda splendida* Kramer, 1882: 414, designated by Berlese, 1904c: 333.

Notes. *Neodiscopoma* Vitzthum, 1942 is a new name for *Discopoma* sensu Berlese, 1904c: 332, which should not be confused with *Discopoma* G. & R. Canestrini, 1882a: 925, in its original meaning. *Neodiscopoma* Vitzthum, 1942 is a junior objective synonym of *Trachycilliba* Berlese, 1903.

***Neoseius* Oudemans, 1903**

Neoseius Oudemans, 1903: 100.

Type species *Uroseius novus* Oudemans, 1902: 47, by original designation.

***Nobuohiramatsuia* Hirschmann, 1990**

Nobuohiramatsuia Hirschmann, 1990: 137.

Type species *Deriaophorus crassus* Hiramatsu, 1979a: 85, by original designation.

***Notaspis* Koch, 1835**

Notaspis Koch, 1835: 5.

Type species *Notaspis obscurus* Koch, 1835: 5, by monotypy.

Notes. The genus name *Notaspis* Koch, 1835 is a junior homonym of *Notaspis* Hermann, 1804, and was replaced by *Pseuduropoda* Oudemans, 1936 (see below).

***Nothogynus* Walter & Krantz, 1999**

Nothogynus Walter & Krantz, 1999: 69.

Type species *Nothogynus klompeni* Walter & Krantz, 1999: 69, by original designation.

***Notoporus* Schuster & Summers, 1978**

Notoporus Schuster & Summers, 1978: 309.

Type species *Notoporus clypeolus* Schuster & Summers, 1978: 309, by original designation.

***Nummulus* Berlese, 1884**

Nummulus Berlese, 1884: 2.

Type species *Notaspis cassideus* Hermann, 1804: 93, by original designation.

Notes. The genus name has been incorrectly spelled as *Mummulus* by some authors. The genus name *Nummulus* Berlese, 1884 is a junior homonym of *Nummulus* Wahlenberg, 1821 (Brachiopoda), and has apparently not been replaced. *Nummulus* Berlese, 1884 is an objective junior synonym of *Cilliba* von Heyden, 1826.

***Odonturopoda* Marais, 1977**

Odonturopoda Marais, 1977: 255.

Type species *Odonturopoda knysnaensis* Marais, 1977: 257, by original designation.

***Olodiscus* Berlese, 1917**

Discopoma (*Olodiscus*) Berlese, 1917: 11.

Type species *Discopoma integra* Berlese, 1910a: 244, by original designation.

***Olouropoda* Berlese, 1916**

Uropoda (*Olouropoda*) Berlese, 1916a: 24.

Type species *Uropoda* (*Olouropoda*) *nitidissima* Berlese, 1916a: 24, by original designation.

***Oodinychus* Berlese, 1917**

Urodinychus (*Oodinychus*) Berlese, 1917: 12.

Type species *Oodinychus janeti* Berlese, 1904c: 378, by original designation.

***Opisthope* Richters, 1908**

Opisthope Richters, 1908: 284.

Type species *Opisthope crozetensis* Richters, 1908: 284, by monotypy.

***Oplitis* Berlese, 1884**

Oplitis Berlese, 1884: 9.

Type species *Uropoda paradoxa* Canestrini & Berlese in Berlese, 1884: 9, by monotypy.

Notes. Berlese (1916a: 67) emended *Oplitis* Berlese, 1884 to *Hoplitis*. However, *Hoplitis* Berlese, 1916 is an unjustified emendation, and is also a homonym of *Hoplitis* Hübner, 1819 (Lepidoptera). *Uroplitella* Berlese, 1903 is an objective synonym of *Oplitis* Berlese, 1884.

***Orientidiscus* Athias-Binche & Błoszyk, 1985**

Crinitodiscus (*Orientidiscus*) Athias-Binche & Błoszyk, 1985: 326.

Type species *Crinitodiscus* (*Orientidiscus*) *rafalskii* Athias-Binche & Błoszyk, 1985: 328, by original designation.

***Origmatrachys* Hirschmann, 1979**

Origmatrachys Hirschmann, 1979b: 67.

Type species *Trachyuropoda origmophora* Hirschmann, 1976a: 40, by original designation.

***Ovalbrasiluropoda* Hirschmann, 1979**

Ovalbrasiluropoda Hirschmann, 1979b: 65.

Type species *Brasiluropoda ovalis* Hirschmann & Zirngiebl-Nicol, 1969f: 51, by original designation.

***Panamatrichocylliba* Hirschmann, 1979**

Panamatrichocylliba Hirschmann, 1979b: 64.

Type species *Trichocylliba panamaensis* Hirschmann, 1975h: 18, by original designation.

Notes. Elzinga (1982) drew attention to the unsatisfactory way in which this genus and its type species were described.

***Paradinychus* Berlese, 1916**

Paradinychus Berlese, 1916c: 296.

Type species *Paradinychus venustus* Berlese, 1916c: 296, by original designation.

***Paraguaycyllibula* Hirschmann, 1979**

Paraguaycyllibula Hirschmann, 1979b: 63.

Type species *Cyllibula* (*Baloghicyllibula*) *paraguayensis* Zirngiebl-Nicol & Hirschmann, 1977: 123, by original designation.

Notes. The genus name has been incorrectly spelled as *Paraquaycyllibula* by some authors.

***Paralana* Schuster & Summers, 1978**

Paralana Schuster & Summers, 1978: 299.

Type species *Paralana proculae* Schuster & Summers, 1978: 299, by original designation.

***Passalana* Womersley, 1961**

Passalana Womersley, 1961d: 41.

Type species *Passalobia peritrematica* Lombardini, 1951: 245, by original designation.

***Passalobia* Lombardini, 1926**

Passalobia Lombardini, 1926: 158.

Type species *Passalobia quadricaudata* Lombardini, 1926: 158, by original designation.

***Passalobiella* Schuster & Summers, 1978**

Passalobiella Schuster & Summers, 1978: 359.

Type species *Passalobia dubinerae* Hunter & Glover, 1968a: 38, by original designation.

***Paulitzia* Oudemans, 1915**

Paulitzia Oudemans, 1915: 185.

Type species *Uropoda africana* Oudemans, 1905: 237, by original designation.

***Penicillaturopoda* Hirschmann, 1979**

Penicillaturopoda Hirschmann, 1979b: 58.

Type species *Uropoda* (*Phaulodinychus*) *penicillata* Hirschmann & Zirngiebl-Nicol, 1969b: 20, by original designation.

***Perstructuranenteria* Hirschmann, 1985**

Perstructuranenteria Hirschmann, 1985f: 35.

Type species *Nenteria perstructura* Hirschmann, 1985e: 28, by original designation.

***Phaulocylliba* Berlese, 1904**

Phaulocylliba Berlese, 1904a: 270.

Type species *Phaulocylliba ventricosa* Berlese, 1904: 270, by original designation

Notes. The genus name has been incorrectly spelled as *Phaulocilliba* by some authors.

***Phaulodiaspis* Vitzthum, 1925**

Phaulodiaspis Vitzthum, 1925b: 143.

Type species *Urodiscella advena* Trägårdh, 1912: 602, by original designation.

***Phaulodinychus* Berlese, 1904**

Phaulodinychus Berlese, 1904a: 269.

Type species *Phaulodinychus repletus* Berlese, 1904a: 269, by original designation.

***Phaulotrachytes* Valle, 1949**

Phaulotrachytes Valle in Bianchi *et al*., 1949: 510.
Type species *Trachyuropoda rackei* Oudemans, 1912a: 245, by monotypy.

***Pholeogynium* Johnston, 1961**

Pholeogynium Johnston, 1961: 532.
Type species *Polyaspis sorrentinus* Lombardini, 1952: 190, by original designation.

Notes. Samšiňák (1962) reported that *Polyaspis sorrentinus* Lombardini, 1952: 190 is a synonym of *Uroseius hunzikeri* Schweizer, 1922: 48.

***Phyllocilliba* Marais & Loots, 1979**

Phyllocilliba Marais & Loots, 1979: 121.
Type species *Phyllocilliba curtipila* Marais & Loots, 1979: 122, by original designation.

***Phyllodinychus* Hirschmann, 1979**

Phyllodinychus Trägårdh, 1943: 3 (*nomen nudum*)
Phyllodinychus Hirschmann, 1979b: 60.
Type species *Dinychus tetraphyllus* Berlese, 1903: 247, designated by Hirschmann, 1979b: 60.

Notes. *Phyllodinychus* Trägårdh, 1943 is a *nomen nudum* because the author did not designate a type species.

***Phymatodiscus* Berlese, 1917**

Discopoma (*Phymatodiscus*) Berlese, 1917: 12.
Type species *Discopoma miranda* Berlese, 1905: 159, by original designation.

***Piracarus* Richters, 1908**

Piracarus Richters, 1908: 285.
Type species *Piracarus crozetensis* Richters, 1908: 285, by monotypy.

Notes. The name of the type species is a junior homonym, and was replaced by *Uropoda* (*Phaulodinychus*) *richtersi* Hirschmann, 1974: 37.

***Planodiscus* Sellnick, 1926**

Planodiscus Sellnick, 1926: 44.
Type species *Planodiscus sqamatim* Sellnick, 1926: 44, by original designation.

Notes. The name of the type species has been incorrectly spelled as *squamatim* by some authors. Sellnick (1926) used the spelling *sqamatim* six times, so there is no doubt that this is the correct original spelling. Elzinga & Rettenmeyer (1966) deliberately changed *sqamatim* to *squamatim*, but this spelling has achieved only extremely limited use, and cannot be considered to have achieved prevailing usage. It is therefore an unjustified emendation (*International Code of Zoological Nomenclature*, Article 33.2).

***Platysetosus* Dylewska *et al*., 2006**

Platysetosus Dylewska, Błoszyk & Halliday, 2006: 56.

Type species *Platysetosus occultus* Dylewska *et al*., 2006: 57, by original designation.

***Poliaspidella* Berlese, 1910**

Poliaspidella Berlese, 1910b: 379.
Type species *Poliaspidella berenicea* Berlese, 1910b: 379, by original designation.

Notes. The genus name has been incorrectly spelled as *Polyaspidella* or *Polyaspidiella* by some authors.

***Polyaspinus* Berlese, 1916**

Polyaspis (Polyaspinus) Berlese, 1916c: 134.
Type species Polyaspinus cylindricus Berlese, 1916c: 134, by original designation.

Notes. The genus name has been incorrectly spelled as *Poliaspinus* by some authors.

***Polyaspis* Berlese, 1881**

Polyaspis Berlese, 1881: 71.
Type species *Polyaspis patavinus* Berlese, 1881: 74, by monotypy.

Notes. The genus name has been incorrectly spelled as *Poliaspis* by some authors, including Berlese himself.

***Polytrechna* Schuster & Summers, 1978**

Polytrechna Schuster & Summers, 1978: 339.
Type species *Polytrechna serrula* Schuster & Summers, 1978: 341, by original designation.

***Prodinychus* Berlese, 1917**

Prodinychus Berlese, 1917: 10.
Type species *Dinychus fimicolus* Berlese, 1903: 248, by original designation.

***Protodinychus* Evans, 1957**

Protodinychus Evans, 1957: 239.
Type species *Protodinychus punctatus* Evans, 1957: 240, by original designation.

***Pseudodinychus* Hull, 1925**

Urodinychus (*Pseudodinychus*) Hull, 1925: 203.
Type species not specified.

Notes. Hull (1925) included two species in his new subgenus *Urodinychus* (*Pseudodinychus*) but did not designate a type species. It appears that no other author has designated a type species.

***Pseudodiscourella* Athias-Binche, 1981**

Neodiscopoma (*Pseudodiscourella*) Athias-Binche, 1981b: 139 (*nomen nudum*)

Notes. Athias-Binche (1981b: 139) referred to a species "*Neodiscopoma* (*Pseudodiscourella*) *catalonica* Athias-Binche, 1981" without providing any description of the genus or species. This appears to refer to a genus and species that were described in an unpublished thesis, so these names are not available from that source. Hirschmann (1984j) referred to this name with authorship Athias-Binche 1980 i. l., meaning unpublished.

***Pseudourodiscella* Marais & Loots, 1981**

Pseudourodiscella Marais & Loots, 1981a: 57.

Type species *Pseudourodiscella tonopilus* Marais & Loots, 1981a: 58, by original designation.

***Pseuduropoda* Oudemans, 1936**

Pseuduropoda Oudemans, 1936: 407.

Type species *Notaspis obscurus* Koch, 1835: 5, by monotypy.

(= *Acarus vegetans* De Geer, 1768)

Notes. The genus name *Notaspis* Koch, 1835 is a junior homonym of *Notaspis* Hermann, 1804, and was replaced by *Pseuduropoda* Oudemans, 1936. The type species of *Notaspis* Koch, 1835 is *Notaspis obscurus* Koch, 1835 by monotypy; this is therefore also the type species of *Pseuduropoda* Oudemans, 1936. However, Oudemans (1936) stated that the type species of *Pseuduropoda* is *Acarus vegetans* De Geer, 1768. *Notaspis obscurus* Koch, 1835 is a junior subjective synonym of *Acarus vegetans* De Geer, 1768 (not *Acarus vegetans* Latreille, 1806). *Acarus vegetans* De Geer, 1768 is also a subjective synonym of *Notaspis marginatus* Koch, 1839 (see for example, Farrier & Hennessey, 1993). *Notaspis marginatus* Koch, 1839 is the type species of *Fuscuropoda* Vitzthum, 1924. *Pseuduropoda* therefore becomes a subjective synonym of *Fuscuropoda*. The genus name has been incorrectly spelled as *Pseudouropoda* by some authors. Some sources refer to a genus name *Pseuduropoda* Berlese, 1888, but no such name exists.

***Pulchellaobovella* Hirschmann, 1979**

Pulchellaobovella Hirschmann, 1979b: 62.

Type species *Trachyuropoda* (*Janetiella*) *pulchella* Berlese, 1904b: 21, by original designation.

***Reticulaturella* Hirschmann, 1979**

Reticulaturella Hirschmann, 1979b: 59.

Type species *Discourella reticulata* Hirschmann, 1972c: 37, by original designation.

***Rotundabaloghia* Hirschmann, 1975**

Rotundabaloghia Hirschmann, 1975a: 23.

Type species *Rotundabaloghia baloghi* Hirschmann, 1975b: 28; 1975c: 29, by original designation.

Notes. The descriptions of the genus *Rotundabaloghia* and its type species were published in two different papers, with the genus described before its type species. However, since these papers were bound together and published simultaneously, I consider both to be validly published and available.

***Rotundadinychus* Hirschmann, 1984**

Rotundadinychus Hirschmann, 1984c: 132.

Type species *Dinychus rotundus* Hiramatsu & Hirschmann, 1977: 26, by original designation.

***Rotundurella* Hirschmann, 1979**

Rotundurella Hirschmann, 1979b: 59.

Type species *Discourella rotunda* Hirschmann, 1973e: 112, by original designation.

***Ruehmnenteria* Hirschmann, 1979**

Rühmnenteria Hirschmann, 1979b: 65.

Type species *Nenteria ruehmi* Hirschmann, 1972f: 18, by original designation (emended from the original spelling *rühmi*).

Notes. Farrier & Hennessey (1993) incorrectly spelled the genus name as *Ruhmnenteria* (*International Code of Zoological Nomenclature*, Article 32.5.2.1).

***Schmoelzeria* Valle, 1963**

Schmölzeria Valle, in Schmölzer, 1963: 282 (*nomen nudum*, here emended to *Schmoelzeria*).

Notes. Schmölzer (1963) referred to a species of Trachytidae from Austria as *Schmölzeria infirma* (Berl.), based on an unpublished name provided by Valle. Schmölzer (1995) placed this species in *Uroseius* (*Apionoseius*), and referred to *Schmölzeria* Valle as a *nomen nudum*.

***Schustercyllibula* Hirschmann, 1979**

Schustercyllibula Hirschmann, 1979b: 63.
Type species *Cyllibula schusteri* Hirschmann & Zirngiebl-Nicol, 1972d: 16, by original designation.

***Sellnickiobovella* Hirschmann, 1984**

Sellnickiobovella Hirschmann, 1984i: 18.
Type species *Fuscuropoda hilli* Sellnick, 1970: 253, by original designation.

Notes. Sellnick (1970) spelled the name of the type species as both *hilli* (six times) and *helli* (twice). The dedication to Dr Stuart Hill makes it clear that *hilli* is the correct spelling.

***Sellnickoplitis* Hirschmann, 1979**

Sellnickoplitis Hirschmann, 1979b: 68.
Type species *Uroplitella brasiliensis* Sellnick, 1926: 33, by original designation.

***Septentrionalidinychus* Hirschmann, 1984**

Dinychus (*Septentrionalidinychus*) Hirschmann, 1984c: 132.
Type species *Phyllodinychus septentrionalis* Trägårdh, 1943: 13, by original designation.

***Shimbulla* Kontschán, 2006**

Shimbulla Kontschán, 2006b: 159.
Type species *Shimbulla afra* Kontschán, 2006b: 161, by original designation.

***Sinharaja* Kontschán, 2013**

Sinharaja Kontschán, 2013: 150.
Type species *Sinharaja ceylonensis* Kontschán, 2013: 151, by original designation.

***Spiculaturopoda* Hirschmann, 1979**

Spiculaturopoda Hirschmann, 1979b: 58.
Type species *Uropoda* (*Uropoda*) *spiculata* Hirschmann, 1972e: 78, by original designation.

***Spinosissuropoda* Hirschmann, 1979**

Spinosissuropoda Hirschmann, 1979b: 58.
Type species *Discotrachytes spinosissima* Berlese, 1916a: 28, by original designation.

***Stammernenteria* Hirschmann, 1979**

Stammernenteria Hirschmann, 1979b: 65.
Type species *Nenteria stammeri* Hirschmann, 1959: 21, by original designation.

Notes. Hirschmann (1979b) refers to the type species of this genus as *Nenteria stammeri* Hirschmann & Zirngiebl-Nicol, 1962: 77. However, the name *Nenteria stammeri* was first made available by Hirschmann (1959).

***Stammeroplitis* Hirschmann, 1979**

Stammeroplitis Hirschmann, 1979b: 68.

Type species *Uroplitella conspicua* Berlese, 1903: 250, by original designation.

***Stammerurella* Hirschmann, 1979**

Stammerurella Hirschmann, 1979b: 59.

Type species *Discourella stammeri* Hirschmann & Zirngiebl-Nicol, 1969c: 32, by original designation.

***Structuratrigon* Hirschmann, 1979**

Structuratrigon Hirschmann, 1979b: 61.

Type species *Trigonuropoda crucistructura* Hirschmann, 1975g: 68, by original designation.

***Stylinenteria* Hirschmann, 1979**

Stylinenteria Hirschmann, 1979b: 65.

Type species *Urodinychus stylifer* Berlese, 1904b: 21, by original designation.

***Styluropoda* Trägårdh, 1952**

Styluropoda Trägårdh, 1952: 79.

Type species *Styluropoda stylifera* Trägårdh, 1952: 80, by original designation.

***Syngynaspis* Baker & Wharton, 1952**

Syngynaspis Trägårdh, 1938: 138 (*nomen nudum*)

Syngynaspis Baker & Wharton, 1952: 131.

Type species *Syngynaspis tragardhi* Baker & Wharton, 1952: 131, by original designation.

Notes. Trägårdh (1938: 138) used the name *Syngynaspis*, but did not include a validly named type species, so the name is not available from that source.

***Tenuiplanta* Schuster & Summers, 1978**

Tenuiplanta Schuster & Summers, 1978: 285.

Type species *Brachytremella crossi* Hunter & Glover, 1968b: 117, by original designation.

***Tetrasejaspis* Sellnick, 1941**

Tetrasejaspis Sellnick, 1941: 145.

Type species *Tetrasejaspis dinychoides* Sellnick, 1941: 146, by original designation.

***Thinozercon* Halbert 1915**

Thinozercon Halbert, 1915: 82.

Type species *Thinozercon michaeli* Halbert, 1915: 82, by original designation.

Thinozerconina Trägårdh, 1946

Notes. Hirschmann (1979b, page 70) included a taxon Thinozerconina Trägårdh, 1946 in his list of *Stadiengattungen* (= genera), in the same style and format as other *Stadiengattungen*. It could therefore be

mistaken for the name of a genus. However, this is not the name of a genus, but of a taxon above the superfamily level.

***Topalidinychus* Hirschmann, 1979**

Topalidinychus Hirschmann, 1979b: 60.
Type species *Castriidinychus topali* Hirschmann, 1973h: 164, by original designation.

Notes. The genus name has been incorrectly spelled as *Toplaidinychus* by some authors.

***Trachycilliba* Berlese, 1903**

Trachycilliba Berlese, 1903: 248.
Type species *Uropoda splendida* Kramer 1882: 414, by original designation.

Notes. The genus name *Trachycilliba* Berlese, 1903 was incorrectly spelled as *Trachycylliba* by Berlese (1904c). *Neodiscopoma* Vitzthum, 1942 is a junior objective synonym of *Trachycilliba* Berlese, 1903.

***Trachynotus* Kramer, 1876**

Trachynotus Kramer, 1876: 74.
Type species *Trachynotus pyriformis* Kramer, 1876: 74, designated by Michael, 1894: 293.

Notes. *Trachynotus* Kramer, 1876 is a junior homonym of *Trachynotus* Latreille, 1829 (Coleoptera), and was replaced by *Trachytes* Michael, 1894.

***Trachytes* Michael, 1894**

Trachytes Michael, 1894: 297.
Trachynotus Kramer, 1876: 74 (junior homonym).
Type species *Trachynotus pyriformis* Kramer, 1876: 74, designated by Michael, 1894: 293.

Notes. *Trachytes* Michael, 1894 was a replacement name for *Trachynotus* Kramer, 1876, which is a junior homonym of *Trachynotus* Latreille, 1829 (Coleoptera). When it was originally described, *Trachytes* included two species—*Celaeno aegrota* Koch, 1847 and *Trachynotus pyriformis* Kramer, 1876. Camin (1953) reported that Michael (1894) had designated *pyriformis* as the type species of *Trachynotus*. This would automatically mean that *pyriformis* is also the type species of *Trachytes*. Johnston (1961) also stated that Michael (1894) had designated *pyriformis* as the type species of both *Trachynotus* and *Trachytes*. Camin and Johnston appear to be referring to Michael's statement (1908: 293) that *Trachynotus pyriformis* Kramer, 1876 "may well be the type of a separate genus". Some authors report that the type species of *Trachytes* is *Celaeno aegrota* Koch, 1847, but this was adequately refuted by Camin (1953). The genus name *Trachynotus* has been incorrectly spelled as *Trachinotus* and *Trachynothus* by some authors.

***Trachyuropoda* Berlese, 1888**

Trachyuropoda Berlese, 1888b: 209.
Type species *Trachyuropoda festiva* Berlese, 1888b, 209, designated by Berlese (1917: 11).

Notes. The genus name has been incorrectly spelled as *Trachyropoda* by some authors. *Trachyuropoda* (*Michaeliella*) Berlese, 1904 is an objective synonym of *Trachyuropoda* (*Trachyuropoda*) Berlese, 1888.

***Trachyxenura* Leitner, 1946**

Trachyxenura Leitner, 1946: 152.

Type species *Trachyxenura penicillata* Leitner, 1946, 153, by original designation.

***Trematura* Berlese, 1917**

Trematura Berlese, 1917: 12.

Type species *Uropoda patavina* Canestrini, 1884b: 1647, by original designation.

***Trematurella* Trägårdh, 1942**

Trematurella Trägårdh, 1942a: 111.

Type species *Trematurella stylifera* Trägårdh, 1942a: 111, by monotypy.

Notes. A more complete description of *Trematurella* appeared in Trägårdh (1945).

***Trematuroides* Cooreman, 1960**

Trematuroides Cooreman, 1960: 3.

Type species *Trematuroides lindbergi* Cooreman, 1960: 3, by original designation.

***Trichobarbatula* Hirschmann, 1986**

Trichoobscura (*Trichobarbatula*) Hirschmann, 1986c: 177.

Type species *Pseuduropoda barbatula* Willmann, 1950: 187, by original designation.

***Trichocalcarata* Hirschmann, 1986**

Trichoobscura (*Trichocalcarata*) Hirschmann, 1986c: 177.

Type species *Trichouropoda calcarata* Hirschmann & Zirngiebl-Nicol, 1961: 24, by original designation.

***Trichocylliba* Berlese, 1904**

Cillibano (*Thrichocylliba*) Berlese, 1904c: 329.

Type species *Discopoma comata* Leonardi in Berlese, 1895: 317, designated by Vitzthum, 1942: 787.

Notes. Berlese (1904c) spelled the name of this genus as *Thrichocylliba* four times on pages 329–331. In the Index to the same paper he spelled it as *Trichocylliba* or "*Trich.*" seven times (pages 455–464). Almost all authors since then have used the spelling *Trichocylliba*, including Berlese himself (Berlese, 1917). Elzinga (1982) described this action by Berlese (1917) as an emendation. Farrier & Hennessey (1993) argued that *Trichocylliba* is an incorrect subsequent spelling, and selected *Thrichocylliba* as the correct spelling of the genus name. That was the appropriate action as First Reviser, under Article 24 (b) of the Third Edition of the *International Code of Zoological Nomenclature*, which was in force at the time. However, Article 24.2.3 of the current *Code*, which did not exist in 1993, makes Berlese (1917) First Reviser, and makes *Trichocylliba* the correct spelling of the name. No other author before or after Farrier & Hennessey (1993) has used the spelling *Thrichocylliba*, so I here use the spelling *Trichocylliba* in the interests of stability. According to Elzinga (1982), Berlese (1904c) designated *D. comata* as the type species of *Trichocylliba*, but that appears to be an error.

***Trichodinychura* Willmann, 1951**

Trichodinychura Willmann, 1951: 124.

Type species *Trichodinychura eucoma* Willmann, 1951: 124, by original designation.

***Trichodinychus* Berlese, 1916**

Trichodinychus Berlese, 1916b: 145.

Type species *Uropoda vulpina* Berlese, 1888b: 211, by original designation.

***Trichofrondosa* Hirschmann, 1986**

Trichofrondosa Hirschmann, 1986a: 116.

Type species *Trichouropoda frondosa* Hirschmann, 1972h: 13, by original designation.

***Trichointerstructura* Hirschmann, 1979**

Trichointerstructura Hirschmann, 1979b: 64.

Type species *Trichouropoda interstructura* Hirschmann & Zirngiebl-Nicol, 1961: 24, by original designation.

***Trichoobscura* Hirschmann, 1986**

Trichoobscura Hirschmann, 1986c: 177.

Type species *Notaspis obscurus* Koch, 1835: 5, by original designation.

***Trichosociata* Hirschmann, 1979**

Trichosociata Hirschmann, 1979b: 65.

Type species *Uropoda* (*Uropoda*) *sociata* Vitzthum, 1923: 125, by original designation.

***Trichouropoda* Berlese, 1916**

Uropoda (*Trichouropoda*) Berlese, 1916b: 142.

Type species *Uropoda longiseta* Berlese, 1888b: 209, by original designation.

***Trichouropodella* Hirschmann & Zirngiebl-Nicol, 1972**

Trichouropodella Hirschmann & Zirngiebl-Nicol, 1972b: 15.

Type species *Uropoda elimata* Berlese, 1888b: 211, by original designation.

***Tricuspisobovella* Hirschmann, 1984**

Tricuspisobovella Hirschmann, 1984i: 17.

Type species *Fuscuropoda tricuspis* Sellnick, 1973: 156, by original designation.

***Trigonuropoda* Trägårdh, 1952**

Trigonuropoda Trägårdh, 1952: 77.

Type species *Urodinychus polyphemus* Vitzthum, 1935: 154, by original designation.

***Troctognathus* Schuster & Summers, 1978**

Troctognathus Schuster & Summers, 1978: 319.

Type species *Troctognathus tetradis* Schuster & Summers, 1978: 319, by original designation.

***Trogulotrachys* Hirschmann, 1979**

Trogulotrachys Hirschmann, 1979b: 67.

Type species *Argas troguloides* Gervais, 1844: 231, by original designation.

Notes. Hirschmann (1979b) cited the type species as *Trachynotus troguloides* Canestrini & Fanzago (1877), but this appears to be an error. Canestrini & Fanzago (1878: 130) redescribed *Trachynotus troguloides* and cited Gervais as the author of the species.

***Tuberculatatrigon* Hirschmann, 1979**

Tuberculatatrigon Hirschmann, 1979b: 61.

Type species *Trigonuropoda trichotuberculata* Hirschman, 1975g: 86, by original designation.

***Tuberdinychus* Schweizer, 1961**

Tuberdinychus Schweizer, 1961: 190.

Type species *Urodinychus subterranus* Schweizer, 1922: 51, by original designation.

***Unguisnenteria* Hirschmann, 1985**

Unguisnenteria Hirschmann, 1985d: 24.

Type species *Nenteria unguis* Hirschmann, 1985c: 21, by original designation.

***Ungulaturopoda* Hirschmann, 1984**

Ungulaturopoda Hirschmann, 1984b: 45.

Type species *Uropoda* (*Phaulodinychus*) *ungulata* Hirschmann & Hiramatsu, 1977c: 67, by original designation.

***Uroactinia* Zirngiebl, 1958**

Uroactinia Zirngiebl in Sellnick, 1958: 274.

Type species *Uropoda consanguinea* Berlese, 1905: 158, by original designation.

Notes. Hirschmann & Zirngiebl-Nicol (1964) wrongly referred to *Uroactinia* as a new genus.

***Urociclella* Berlese, 1913**

Uroobovella (*Urociclella*) Berlese, 1913: 86.

Type species *Uroobovella* (*Urociclella*) *parvula* Berlese, 1913: 86, by original designation.

Notes. The genus name has been incorrectly spelled as *Urocyclella* or *Urocyciella* by some authors.

***Urocyclellopsis* Willmann, 1953**

Urocyclellopsis Willmann, 1953: 477.

Type species *Urocyclellopsis similis* Willmann, 1953: 477, by original designation.

Notes. The genus name has been incorrectly spelled *Urocychellopsis* by some authors.

***Urodiaspis* Berlese, 1916**

Urodiaspis Berlese, 1916a: 25.

Type species *Notaspis tectus* Kramer, 1876: 79, by original designation.

***Urodinychus* Berlese, 1904**

Urodinychus Berlese, 1904a: 270.

Type species *Uropoda carinata* Berlese, 1888d: 9, by original designation.

***Urodiscella* Berlese, 1903**

Urodiscella Berlese, 1903: 249.

Type species *Uropoda ricasoliana* Berlese, 1889: 10, by original designation.

***Urodiscus* Berlese, 1916**

Urodiscus Berlese, 1916b: 138.

Type species *Urodiscus obesus* Berlese, 1916b: 138, by original designation.

Notes. The genus name *Urodiscus* Berlese, 1916 is a junior homonym of *Urodiscus* Sclater, 1860 (Aves), and was replaced by *Calurodiscus* Radford, 1950.

***Urofossaaspis* Hirschmann, 1984**

Urofossaaspis Hirschmann, 1984d: 141.
Type species *Urodiaspis religiosa* Hiramatsu, 1979b: 117, by original designation.

***Urojanetia* Berlese, 1913**

Trachyuropoda (*Urojanetia*) Berlese, 1913: 85.
Type species *Uropoda coccinea* Michael, 1891: 646, type species of *Janetiella* Berlese, 1904, designated by Berlese (1904c: 352).

Notes. *Trachyuropoda* (*Janetiella*) Berlese, 1904 is a junior homonym of *Janetiella* Keiffer, 1898 (Diptera), and was replaced by *Trachyuropoda* (*Urojanetia*) Berlese, 1913.

***Urolaelaps* Berlese, 1916**

Urolaelaps Berlese, 1916b: 146.
Type species *Urolaelaps macropi* Berlese, 1916b: 146, by original designation.

***Uroobovella* Berlese, 1903**

Uroobovella Berlese, 1903: 249.
Type species *Uropoda obovata* Canestrini & Berlese in Berlese, 1884: 10, by original designation.

Notes. The genus name has been incorrectly spelled as *Urobovella* by some authors.

***Uropectinia* Kneissl, 1908**

Uropectinia Kneissl, 1908: 228.
Type species *Uroobovella wasmanni* Kneissl, 1907: 190, by monotypy.

***Uroplitana* Sellnick, 1926**

Uroplitana Sellnick, 1926: 35.
Type species *Uroplitana acinaca* Sellnick, 1926: 36, by original designation.

***Uroplitella* Berlese, 1903**

Uroplitella Berlese, 1903: 249.
Type species *Uropoda paradoxa* Canestrini & Berlese, 1884: 175, by original designation.

Notes. *Uroplitella* Berlese, 1903 is an objective junior synonym of *Oplitis* Berlese, 1884.

***Uropoda* Latreille, 1806**

Uropoda Latreille, 1806: 157.
Type species *Uropoda vegetans* Latreille, 1806: 158, by monotypy.
(= *Acarus orbicularis* Müller, 1776).

Notes. Oudemans (1936, page 396) and Vitzthum (1942, page 787) reported that *Uropoda vegetans* Latreille, 1806: 157 is a junior synonym of *Acarus orbicularis* Müller, 1776: 187. *Acarus vegetans* Latreille, 1806 is also a junior primary homonym of *Acarus vegetans* De Geer, 1768, which is not the same species. *Uropoda vegetans* Latreille, 1806 is now referred to under the name of its synonym *Uropoda orbicularis*

(Müller, 1776). Kramer (1881) and Canestrini & Canestrini (1882b) incorrectly referred to a genus name *Uropoda* De Geer.

***Uropolyaspis* Berlese, 1904**

Uropolyaspis Berlese, 1904c: 325.
Type species *Uropoda hamulifera* Michael, 1894: 298, by original designation.

***Uroporus* Hoffmann, 1981**

Uroporus Hoffmann, 1981: 56 (*nomen nudum*).

Notes. Hoffmann (1981) used the genus name *Uroporus* four times, when referring to deutonymphs of a species of Uropodina in Mexico. Farrier & Hennessey (1993) considered this name to be a *nomen nudum*, possibly a mis-spelling of *Uropoda*. Hoffmann & López-Campos (2000) again included "*Uroporus* sp." in a list of Uropodina from Mexico, but I can find no description of any genus by that name.

***Uroseius* Berlese, 1888**

Uroseius Berlese, 1888a: 3.
Type species *Uropoda acuminata* Koch, 1847: 260, by monotypy.

***Urospina* Sellnick, 1931**

Urospina Sellnick, 1931: 730.
Type species *Uropoda plana* Sellnick, 1931: 730, by original designation.

***Urosternella* Berlese, 1903**

Uropoda (*Urosternella*) Berlese, 1903: 251.
Type species *Uropoda* (*Urosternella*) *foramifera* Berlese, 1903: 251, by monotypy.

Notes. The name of the type species has been incorrectly spelled as *foraminifera* by some authors.

***Urotrachytes* Berlese, 1904**

Urotrachytes Berlese, 1904a: 271.
Type species *Uropoda formicariae* Michael in Lubbock, 1881: 386, by original designation.

Notes. The genus name has been incorrectly spelled *Urotrachys* by some authors. The name of the type species has been incorrectly spelled as *formicaria* by some authors. *Urotrachytes* Berlese, 1904 is an objective junior synonym of *Glyphopsis* Michael, 1894.

***Vinicoloraobovella* Hirschmann, 1979**

Vinicoloraobovella Hirschmann, 1979b: 63.
Type species *Uropoda vinicolora* Vitzthum, 1926: 459, by original designation.

***Wagenaaria* Błoszyk & Athias-Binche, 1986**

Cyllibula (*Wagenaaria*) Błoszyk & Athias-Binche, 1986: 164 (junior homonym).
Type species *Uropoda alta* Sellnick, 1973: 160, by original designation.

Notes. *Wagenaaria* Błoszyk & Athias-Binche, 1986 is a junior homonym of *Wagenaaria* Brennan, 1967 (Acari: Trombiculidae), and must be replaced. Hirschmann (1977b) divided *Cyllibula* into species groups, including the *Cyllibula magna* species group, which was then promoted to the subgenus level as *Cyllibula*

(*Magnacyllibula*) Hirschmann, 1979. Wiśniewski & Hirschmann (1993) included *Uropoda alta* in the *Cyllibula magna* species group. The subgenus name *Cyllibula* (*Magnacyllibula*) is available for the *Cyllibula magna* species group. *Magnacyllibula* Hirschmann, 1979 is therefore a senior synonym of *Wagenaaria* Błoszyk & Athias-Binche, 1986, and becomes its replacement name.

***Walkeridiaspis* Hirschmann, 1984**

Walkeridiaspis Hirschmann, 1984d: 141.

Type species *Urodiaspis walkeri* Hirschmann & Zirngiebl-Nicol, 1969e: 41, by original designation.

Notes. The genus name has been incorrectly spelled *Walkerdiaspis* by some authors.

***Wernerhirschmannia* Hiramatsu, 1983**

Wernerhirschmannia Hiramatsu, 1983: 159.

Type species *Wernerhirschmannia prima* Hiramatsu, 1983: 161, by original designation.

***Wisniewskiioplitis* Hirschmann, 1984**

Wisniewskiioplitis Hirschmann, 1984f: 155.

Type species *Oplitis wisniewskii* Hirschmann, 1984e: 154, by original designation.

***Woelkeidinychus* Hirschmann, 1984**

Dinychus (*Woelkeidinychus*) Hirschmann, 1984c: 132.

Type species *Dinychus woelkei* Hirschmann & Zirngiebl-Nicol, 1969d: 39, by original designation.

***Woelkeoplitis* Hirschmann, 1979**

Woelkeoplitis Hirschmann, 1979b: 67.

Type species *Oplitis woelkei* Hirschmann, 1975i: 101, by original designation.

***Womersleyoplitis* Hirschmann, 1979**

Womersleyoplitis Hirschmann, 1979b: 68.

Type species *Urodiscella nitida* Womersley, 1959: 350, by original designation.

Discussion

The taxonomy of the Uropodina has been very unstable for the last 35 years. This instability is clearly demonstrated by the variation in the number of genus-group taxa recognised by different authors. Hirschmann (1979b, 1979c) listed 193 genera and subgenera, more than 80 of which were described as new (summarised by Farrier & Cheu, 1993). These new taxa had previously been treated as species groups, and were now promoted *en masse* to the genus level. Most of those new names have not been used since 1979, but they remain available. Karg (1986, 1989) developed a new phylogenetically-based and more conservative classification that recognised only 15 valid genus-group taxa from Europe. He listed nine junior synonyms for *Trichouropoda*, nine for *Uropoda*, and 22 for *Uroobovella*, but did not mention the genera described by Hirschmann (1979b, 1979c). Wiśniewski & Hirschmann (1993) and Wiśniewski (1998) then listed only 41 valid genera world-wide, tacitly synonymising most of Hirschmann's 1979 taxa. Lindquist *et al*. (2009) attempted a compromise classification, and included "over 80 recognised genera", of Uropodoidea using features of both the Hirschmann and Karg classifications. Beaulieu *et al*. (2011) provided a summary of the family-level classification of the Uropodina, and included 143 genera.

The present paper includes a total of 300 genera and subgenera. Four obvious factors contribute to this highly inflated number. First, 20 new genera have been described since Wiśniewski's very modest (1998) list. Second, I have included the Diarthrophalloidea, which Wiśniewski did not (19 genus names). Third, the present list includes

20 names that should be excluded because they are *nomina nuda*, junior homonyms, or objective junior synonyms. But the fourth and most important reason why Wiśniewski (1998) listed such a low number of genera is subjective synonymy. The present catalogue includes 198 genus-group names that are available for nomenclatural purposes, but were not mentioned by Wiśniewski (1998), presumably because they were regarded as junior synonyms. Wiśniewski (1998) omitted all the new names created by Hirschmann (1979b, 1979c), but also omitted many well-established and widely-used names such as *Antennequesoma* Sellnick, 1926, *Cilliba* von Heyden, 1826, *Discopoma* G. & R. Canestrini, 1882, *Fuscuropoda* Vitzthum, 1914, *Olodiscus* Berlese, 1917, *Phaulocylliba* Berlese, 1904, *Thinozercon* Halbert, 1915, and *Trematura* Berlese, 1917. The massive level of subjective synonymy among these genus names has not been addressed in recent work on the group, but will need to be resolved in the next large-scale revision of the group.

The work that remains to be done in that complete revision includes (1) taxonomic research to determine which of the 280 available genus-group names are synonyms of each other; (2) preparation of a new taxonomic concept for every valid genus; (3) preparation of a complete list of all published family-group names (superfamily, family, subfamily, and tribe), with bibliographic references to their original descriptions (I estimate 45 such names); (4) determination of the type genus for every one of these family-group taxa; (5) determination of which of those family-group names are available in a nomenclatural sense; (6) taxonomic research to determine which of these family-group names are synonyms of each other; (7) preparation of a new key to families, so that every species and genus can be placed in the appropriate family.

The Uropodina have the potential to provide a very rich source of information in phylogeny, biogeography, soil science, evolutionary biology, and ecology. That potential cannot be fully realised until their taxonomy is understood in a much more complete and coherent way than it is now. That challenge lies ahead.

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