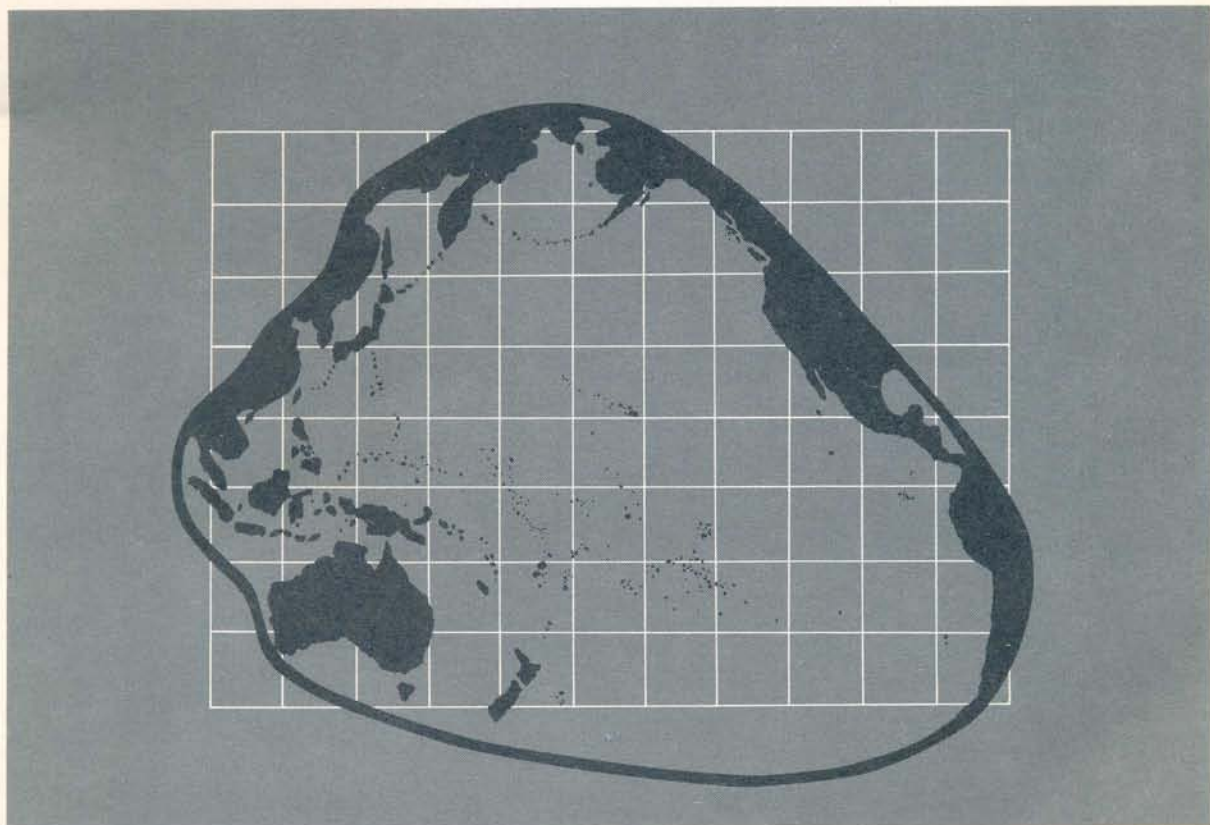


Catalogue of the Genera and Type Species of the Harvestman Superfamily Phalangioidea (Arachnida)

Rodney L. Crawford

Burke Museum
Contributions in
Anthropology and Natural History

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ABSTRACT

This world catalogue of the superfamily Phalangioidea (class Arachnida, order Phalangida or Opiliones, suborder Cyphopalpatores or Palpatores) includes full bibliographic and nomenclatural details on all family-level and genus-level names ever proposed in the group. Of 20 family-level names included, 14 are in use (for superfamily, families, subfamilies, and tribes); 5 are subjective synonyms, and 1 is an invalid homonym. The history of the family-level classification is traced and a new one proposed in keeping with recent research. Of 304 recent and 4 fossil genus-level names included, 224 are in current use for genera, 42 are subjective synonyms, and 42 are invalid (including 23 objective synonyms, 17 homonyms, 1 *nomen nudum*, and 1 suppressed). Each genus entry includes full reference, current placement, gender and derivation, type designation, reference and other data on type species, synonymic history of genus and type species, type locality and type specimen depository of type species, and reference to substantive redescrptions.

New synonyms (6): Argyrasterinae = Gagrellinae; Megalopsalididae = Monoscutidae, new status; Odontobuninae = Phalangiinae; *Mesosoma nigrum* Weed (non Say) = *Eumesosoma roeweri* (Goodnight and Goodnight); *Homalonotus* Agassiz = *Homalenotus* C. Koch; *Zacheus* C. Koch = *Zachaeus* C. Koch. Four other synonyms are first formally stated here: *Glabrurus* Goodnight and Goodnight = *Paranelima* Caporiacco; *Neosclerosoma* Roewer = *Metasclerosoma* Roewer; *Parazacheus* Lerma = *Dasylobus* Simon; *Prosclerosoma* Roewer = *Metasclerosoma* Roewer. Six homonyms are newly noted: *Fagea* Dresco, *Lophacanthus* Redikorzev, *Odontosoma* Šilhavý, *Marthana turrta* (Roewer, 1910) sub *Marthanella*, *Mesosoma nigrum* Weed (non Say), *Leiobunum japonense japonicum* (Suzuki, 1940). *Mesosoma nigrum* is replaced by *Eumesosoma roeweri*; *Leiobunum japonense japonicum* is replaced by *L. japonense suzukii* Roewer, new status; *nomina nova* are here proposed for *Lophacanthus* and *Marthana turrta* (Roewer); the others are synonyms. Type species are newly designated for the 3 genera *Forbesium* Weed, *Graecophalangium* Roewer, and *Metamarthana* Roewer. Rejected synonymies (4): Argyrasterinae ≠ Leiobuninae, *Arthrocentrus* Thorell ≠ *Gagrella* Stoliczka, *Bolea* Hadži ≠ *Lophopilio* Hadži, and *Hexomma* Thorell ≠ *Gagrella* Stoliczka. Four species names are emended as to gender (in *Bastioidea*, *Dilophiocara*, *Himaldroma*, and *Platybunoides*), and 1 subfamily name, Gyantinae, is emended to Gyinae. Subfamily placement is changed for 6 genera: *Amilenus* and *Dicranopalpus* from Gyinae to an informal *Dicranopalpus* genus-group; *Homolophus* from Phalangiinae to Opilioninae; *Lanthanopilio* from Phalangiinae to the *Dicranopalpus* genus-group; *Parapltybunus* from Phalangiinae to Platybuninae; *Pseudogagrella* from Leiobuninae to Gagrellinae.

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INTRODUCTION

The harvestmen (order Phalangida or Opiliones) are here classified into two suborders, following Martens *et al.* (1981): Laniatores (mostly stout-legged, hard-bodied, and palps with paired spines) with superfamilies Triaenonychoidea (=Travunioidea), Gonyleptoidea, and Oncopodoidea; and Cyphopalpatores (mostly thin-legged, soft-bodied, and palps lacking paired spines) with superfamilies Sironoidea, Phalangioidea, Caddoidea, Ischyropsalidoidea, and Troguloidea. The union of the "traditional" suborders Palpatores and Cyphophthalmi (superfamily Sironoidea) is not universally accepted (J. Gruber, *in litt.*; Hammen 1989: 500). Martens (1978) gave full descriptions of the superfamilies. Phalangioidea, with the "typical" harvestmen of globular bodies and threadlike legs, is by far the largest superfamily of its suborder. Its taxonomy is the most chaotic in the order, with few reliable external characters available, and scores of genera are defined on characters having little to do with true relationships, such as the numbers of false articulations in the legs or spines on the eye tubercle.

The most recent publication to list all the genera of Phalangioidea with their type species was the "Revision der Opiliones Plagiostethi" issued serially by Roewer (1910a, 1912c). Roewer's *Die Weberknechte der Erde* (1923), in other respects a thorough compilation, unfortunately did not indicate type species. When concepts of generic classification change, type species provide the only means of deciding how to apply the old generic names to delimited groups. Anyone doing revisory work on a genus must know what available names may apply to the genus and what their type species are. In the Phalangioidea, despite recent efforts by Cokendolpher, Martens, Staręga, Suzuki, and others, the existing generic classification (largely the work of C. F. Roewer and his imitators) is almost wholly artificial. Until now, information on the available phalangiid genera has been widely scattered, with many incorrect citations and invalid type designations. The work of applying modern taxonomic concepts to a reclassification of the group will of necessity proceed slowly, but I hope the present catalogue will remove one of the more substantial barriers to such work.

METHODS AND SOURCES

A lesson I have learned in the course of this work may be stated succinctly: if possible, never trust a secondary source. C. F. Roewer's long catalogue-style works on harvestmen, though admirably thorough, contain a significant number

of incorrect citations and other errors. These erroneous citations have been faithfully repeated by later authors, who clearly did not check originals. Roewer's very individual interpretation of the rules of nomenclature led him to propose new names for validly named genera, to change his mind about which species to designate as type, or to remove from a genus all the originally included species. These problems make it vital to confirm all facts relative to nomenclature in the original publications, where available, keeping the current International Code of Zoological Nomenclature (International Commission on Zoological Nomenclature 1985) clearly in mind. My desire to do this has greatly prolonged the present project, which was begun in 1979. I have now personally examined originals or photocopies of all but 4 of the 325 references cited herein. Each detail of each entry has also been checked back from a late draft of the catalogue against originals or photocopies. Where my dates and citations differ from those of Roewer and others, it is usually safe to assume that mine are more accurate; however, it is likely that errors remain. My advice remains: where possible, check the original.

All generic names before 1923 were found in *Die Weberknechte der Erde*. A search of the *Zoological Record* beginning with v. 1 (1864), plus the nomenclators of Agassiz (1846) and Scudder (1882-1884) and other sources, failed to show any pre-1923 genera missed by Roewer. The primary source of names proposed 1923 to date has been the *Zoological Record* (checked through v. 127, 1990-91). A few additional recent references were found in *Biological Abstracts* (checked v. 54, 1972, through v. 92, 1991) and *Entomology Abstracts* (checked v. 1, 1970, through v. 22, 1991). A few names not otherwise recorded were found in the catalogue of Soviet harvestmen by Staręga (1978) and in papers by S. Suzuki on the Japanese fauna.

It is possible, although not certain, that I have found all generic (and subgeneric) names of Phalangioidea proposed through 1990. Also included here are deliberate, but unjustified, emendations of existing names; such emended names become available with their own authors and dates (ICZN Art. 33b.iii), but it is unlikely that I have found all of these. *Lapsus calami* and emendations that are not demonstrably intentional are omitted. I have tried to include all type designations (valid and invalid) and any synonymy affecting the status of genera and type species; it is less likely that this is complete, as synonymy was not always clearly recorded in the *Zoological Record* and was sometimes buried in verbiage in the original papers. Only the first proposal of a given synonymy is usually cited, unless a later one includes relevant discussion. I have cited

redescriptions selectively. Lectotype or neotype designations or type locality restrictions (all of which are uncommon in the group) are included only if found in references examined for other reasons. My information on specimen depositories is based on published references, and is often incomplete, obscure, or lacking. A number of the localities and depositories cited by Roewer are believed incorrect (Helversen and Martens 1972; Cokendolpher and Lanfranco 1985; J. Gruber, *in litt.*).

Secondary source information about type specimens, though repeated here, is emphatically not to be trusted. Many of the original authors did not designate holotypes for their species; in these cases, where there was more than one original specimen, all are co-equal syntypes. A holotype cannot be designated after the fact (ICZN Art. 73a.iii), and the type series can only be restricted by the valid designation of a single specimen as lectotype (Art. 74). Despite this, Roewer (1923, 1953a, 1954a, b, 1955a, b, 1956, 1957) referred to numerous previous syntype series as "types" (often plural and never specifically identified) and "cotypes" or "paratypes." These actions did not qualify as "designation of lectotype by inference of holotype" (Art. 74b) because that requires an author to assume the species was based on a single specimen. All such statements by Roewer, where the original description lists more than one syntype, must be disregarded. Future revisors should also be aware that many syntype series have been split between their original depositories and the collections developed by Roewer at SMF and ZIZM; see, for example, *Amilenus*, *Caiza*, *Diguettinus*, *Macropsalis*, *Metagagrella*, *Neopilio*, *Roeweritta*, *Scotomenia*, and others. All of these are still syntypes, even if mistakenly labelled "paratypes." In other cases (see *Akalpia*, *Carmichaelus*, *Chasenella*, *Hehoa*, *Kempina*, *Sataria*, and *Tamboicus*), the number of "paratypes" stated by Roewer (references above) to be at SMF equals or exceeds the number of adult specimens listed in the original description. Whether any members of these type series remain at the original depositories may be doubted.

All generic names listed herein have been checked against the nomenclator of Neave (1939-1975) for homonymy. Official List status (ICZN Art. 78f-h) of included names was checked against Melville and Smith (1987).

FAMILY CLASSIFICATION

The order name Phalangida, the superfamily Phalangioidae, and the family Phalangiidae all derive from the family name Phalangita Latreille, 1802. Hillyard and Sankey (1990) gave no evidence for their remarkable statement that the name Phalangida "is now invalid." Phalangida has

priority over the alternate order name Opiliones Sundevall, 1833, and has the further advantage of belonging to an objective system wherein each order name would be based on a "type family" and the oldest such order name would have priority for each order. The adoption of this system in Diplopoda by Chamberlin and Hoffman (1958) resolved a century of inconsistent usage. The other major system of arachnid order names (including Opiliones) was ably described by Savory (1972). Unfortunately this system uses non-objective criteria, such as giving priority to names used by "the great arachnologists" (Savory's words) and giving preference to names that are descriptive and euphonious. The objective system of order names would be especially helpful for regulating name changes required by such radical new proposals as those of Hammen (1989).

After Phalangiidae Latreille, 1802, the 14 other family/subfamily names in current use in Phalangioidae were proposed between 1839 and 1991, but Roewer (1910a, 1912c) was the first to publish a complete family-level classification of the group, which he called the "tribe" Eupnoi. Roewer (1912c: 7-11) included all Eupnoi in a single family Phalangiidae, with subfamilies Phalangiini, Oligolophini, Leptobunini, Gagrellini, Liobunini, and Sclerosomini (all these would now take the -inae suffix; the last two have been corrected to Leiobuninae and Sclerosomatinae). This early classification was not wholly artificial, but included two dichotomies based on unstable characters (Cokendolpher 1985: 396), introducing an artificial element, to wit: the presence or absence of a ventral tooth on the basal cheliceral segment and of comb-teeth on the palpal claw.

Roewer (1923: 697-698) used the same classification, but all categories were now based on strictly artificial dichotomies. No longer was there any mention of genital morphology; all taxa were categorized in "subfamilies" according to an *a priori* set of superficial and often nebulous characters. Two failures of this classification are especially notable. The genus *Caddo* Banks, 1892, was placed in Oligolophinae whereas its nearest relative, *Acropsopilio* Silvestri, occupied its own family in the "tribe Dyspnoi"! This was resolved by the creation of a new superfamily Caddoidea by Shear (1975: 66-68). Likewise, when Roewer's Leptobuninae was dismantled by Cokendolpher (1985), it proved to contain elements of two families and four to five subfamilies!

Šilhavý (1961) carried the Roewer classification to its final absurdity. Phalangiidae, Leiobunidae, and Sclerosomatidae were elevated to family status (exclusively because a nebulous mouthpart character was considered to have "family value"); the eight pigeonholes created by all

permutations of three superficial dichotomies, plus two subsidiary ones, were filled with subfamilies, real or imaginary. Staręga (1973b: 367-368) clearly demonstrated the imaginary nature of *Dentizacheinae* Šilhavý, 1961, which proved to contain a few members of *Phalangiinae* in which the vestigial claw-teeth, often present in the group, had been observed. One species of *Dentizacheus* proved to be *Phalangium opilio* Linnaeus, the world's best-known harvestman.

Despite its evident inadequacy, lack of alternatives forced continued use by most authors of surviving portions of the Roewer-Šilhavý system through the 1970s. For reasons not clear to me, several authors raised additional subfamilies to family status (including the subsequently dismantled "Leptobunidae") during this period, but adopted no substantive improvement in classification. Such an advance had, however, been made. Staręga (1976a) published, in Polish, an entirely new classification of *Phalangioidea* which is clearly the best to date. The system adopted in the following outline is based, with some modifications and additions, on that of Staręga (1976a, 1976b, 1984). My changes are explained below. The classification of southern hemisphere taxa, not treated by Staręga, is based on Šilhavý (1970) and Hunt and Cokendolpher (1991). For authors, dates, and other nomenclatural data on the names used, see "Family-group Names," pp. 7-10; for descriptions and diagnoses, see the references cited therein.

Superfamily *Phalangioidea*

Family *Neopilionidae* (southern hemisphere)

Subfamily *Neopilioninae*

Subfamily *Ballarrinae*

Subfamily *Enantiobuninae*

Family *Monoscutidae* (southern hemisphere)

Subfamily *Megalopsalidinae*

Subfamily *Monoscutinae*

Family *Sclerosomatidae*

Subfamily *Gagrellinae*

Subfamily *Sclerosomatinae*

Subfamily *Leiobuninae* (with reservations)

Subfamily *Gyinae*, s. str. (=Gyantinae)

Metopilio genus group of *Cokendolpher*

Family *Phalangioidea*

Subfamily *Phalangiinae*

Subfamily *Oligolophinae* (with reservations)

Subfamily *Platybuninae*

Subfamily *Opilioninae*

Family *incertae sedis*

Subfamily *Protolophinae*

Dicranopalpus genus group (ex *Gyinae*)

Šilhavý (1970) considered *Megalopsalis*, *Monoscutum*, and relatives to be *Neopilionids*, but I accept the conclusion of Hunt (1990) and Hunt and Cokendolpher (1991) that this group is a separate

family. *Monoscutinae* has priority over *Megalopsalidinae* (a fact hitherto overlooked), so the family must be called *Monoscutidae*. Hunt and Cokendolpher suggested raising *Enantiobuninae* to family, but did not do so formally; pending further research, I leave it as a subfamily of *Neopilionidae*, which it resembles in penis morphology.

As stated by Staręga, a family containing *Gagrellinae* must take that name (which dates from 1889) in preference to "*Leiobunidae*," which dates from 1893. I believe relationships are more clearly shown by combining *Sclerosomatinae* and *Gyinae* (after removing nonconforming elements) with *Gagrellidae*, to which they are certainly related, than by making them full families as Staręga did. The family thus constituted takes the oldest name, *Sclerosomatidae* Simon, 1879 (Martens 1986: 304). Martens (1973: 210-212) showed that in East Asia there is "a continuous transition between *Sclerosomatidae* and *Leiobunidae* [sic]." The genital morphology of *Gyas* (see catalogue entry for descriptions) is clearly *sclerosomatid* (*gagrellid*) in pattern; this fact has been obscured by the inclusion in *Gyinae*, by Martens (1978, 1982) and others, of *Dicranopalpus* and *Amilenus*, which to me show no apparent relationship with *Gyas*. The "*Metopilio* assemblage," defined by Cokendolpher and Cokendolpher (1984: 168) but not yet named, has *sclerosomatid*- (*gagrellid*-) type genital morphology (see Gruber 1970).

The name *Protolophinae* (or *Protolophidae*) Banks, 1893, will probably prove justified for the American genus *Protolophus* and undescribed relatives, which differ from *Sclerosomatinae* in a number of ways (see Cokendolpher 1985: 399 and below under "Family-group Names," p. 10). *Dicranopalpus* and relatives, formerly placed in *Gyinae*, constitute a distinct morphological group (see descriptions, cited herein, of *Dicranopalpus*, *Amilenus*, and *Lanthanopilio*), which may merit family status. I include in this group *Lanthanopilio* Cokendolpher and Cokendolpher, 1984, because of its genital morphology; it had been tentatively placed in *Phalangiinae*.

I agree with the reservations expressed on *Oligolophinae* by Spöck (1963: 22) and Cokendolpher (1981b: 309). The untenable nature of this group, as usually constituted, is best shown in the definition by Martens (1978: 309), wherein each character has exceptions. Nonetheless, the group could be valid (at subfamily or tribe level) if restricted to those genera which, like *Oligolophus*, have a carapace "trident." Other genera previously placed in *Oligolophinae* probably belong in *Phalangiinae*, *Opilioninae*, or *Platybuninae*. Even thus limited, the validity of *Oligolophinae* is questionable, since *Lophopilio* (*Platybuninae*) also has a trident.

Gagrellinae and Leiobuninae have traditionally been separated by the presence or absence of "femoral nodules." Although these mean little in themselves (Banks 1930; Ringuet 1954), I have kept these groups separate for zoogeographic reasons (the consolidated distribution of species with similar facies indicates relationship) and because of the hard abdominal scute in Gagrellinae. As yet, evidence is insufficient to show whether the New World "Gagrellinae" are closely related to the typical Asian group, or merely convergent with them.

Current classifications of Phalangioidea, to the extent that they depart from the artificial elements of earlier systems, depend heavily on genital morphology, especially the cross-sectional shape of the truncus penis and the form, differentiation, and spination of the glans penis (Martens 1982, 1986, 1987). The Starega classification of Phalangidae, cited above, takes additional valuable characters from the form and sexual dimorphism of the chelicerae, palps, and legs, and from the female seminal receptacles. The superfamily classification of Martens (1976, 1986) relies mainly on penis musculature. The presence of entapophyses on the abdominal spiracles is an important family-level character (Šilhavý 1970); Hunt and Cokendolpher (1991) discussed other characters of Southern Hemisphere taxa.

Anyone inclined toward traditionalism or "lumping," with which I am sympathetic, could form a classification under the blanket family Phalangidae *sensu lato* from the outline above, by reducing all families to subfamily and all subfamilies to tribe. That would be phylogenetically equivalent to the classification adopted here.

CATALOGUE FEATURES

Features are explained below in the order in which they appear in a complete genus entry. Entries consist of two parts, the first with data about the genus, the second with data about the type species. *All species names cited are given in the original combinations only.* For example, the type species of *Oligolophus* K. Koch, 1871, is *Opilio tridens* C. Koch, 1836; the reader will, of course, realize that while *Oligolophus* is considered valid, the current combination will be *Oligolophus tridens* (C. Koch). Please note that the two authors traditionally cited as C. L. Koch and C. Koch are here cited, respectively, as C. Koch and K. Koch (see reference list), to help prevent confusion between them. Readers unfamiliar with technical terms of nomenclature should refer to the ICZN Glossary. I have used two Latin words by way of abbreviation: ex (out of, removed from) and sub (described under the name...).

The catalogue of genera is preceded by one of family-group names. This necessarily follows a rather different format, which should be self-explanatory.

Entry headings. All generic names are presented in one alphabetical list. Each genus entry is headed by the name (correct original spelling), author, and date. If the name is valid (available, not a homonym, not currently considered a synonym) or conditionally valid (currently a junior subjective synonym, but usable by anyone who disagrees with the synonymy), it is given in **boldface italics**. If the name is invalid (unavailable, a junior homonym, or a junior objective synonym), it is given in *regular italics*.

Genus reference. The original description of the genus is cited by author, year/letter, and page(s). Examples: Roewer 1923: 723; C. Koch 1839b: 35-36. (I consider inclusive pagination essential; the widespread practice of citing only the first page of a description is frustrating for those who must request copies by interlibrary loan.)

Subfamily placement. At the right margin of the genus reference line is current subfamily placement (see section above on family classification). In some cases this information results from recent study, but in others is taken from the original descriptions. Because many of the taxa involved were placed according to strictly artificial characters and have not been restudied, readers should not unreservedly accept these placements at face value.

Gender and derivation. The gender of the generic name, determined from the derivation or (if that is ambiguous) from earliest usage, is given with the abbreviations M., F., or N., followed by the derivation, wherein classical Greek and Latin are abbreviated G. and L. This paper has been printed without benefit of a Greek type font; accordingly, I have transliterated Greek words letter for letter, to approximate the original as nearly as possible, rather than following the rules of transliteration into Latin (ICZN Appendix B). Thus, in citing Greek source words, I transliterate double gamma as gg, not ng as in Latin; epsilon iota as ei, not i; omicron upsilon as ou, not u. Omega and eta are given as ô and ê, to distinguish them from omicron and epsilon. The importance of the gender is that most species names must agree with it; of the derivation, that it provides the only positive evidence for gender (in Greek nouns, gender does not always follow from the ending) and also determines the stem to be used in family-name formation (ICZN Appendix D, table 2).

Genus remarks. Following the derivation, if relevant, is a paragraph discussing factors, other than synonymy or type designation, affecting the status of the genus. Included may be homonymy, whether the name was proposed as a subgenus or

nomen novum, is a *nomen nudum*, an unjustified emendation, an unjustified replacement, suppressed under ICZN Art. 79, or placed on an Official List (ICZN Art. 78f).

Generic synonymy. If relevant, a paragraph gives each instance where the genus has been placed as a junior synonym, with reference, and each instance where it has been removed from synonymy, with any discussion needed for clarification. Synonymy that is currently accepted is stated in **boldface**.

Current synonyms. The first part of the genus entry ends with a list cross-referencing all generic names (valid and invalid) currently placed as junior (or invalid senior) synonyms of the name under consideration.

Type designation. The second part of each entry begins with the word **TYPE** in boldface capitals, followed by the kind of type designation (original designation, monotypy, indication, or subsequent designation); the reference of designation if subsequent; the name of the valid type species (in the original combination, not combined with its current genus unless it was first described there); reference to the original species description, given as in genus reference (above); and any needed discussion on the validity of the designation and invalidity of any other designations.

Species remarks. If necessary, a paragraph in this position discusses homonymy, validity, Official List status, etc., of the type species name.

Specific synonymy. Synonymy affecting the status of the type species name, with any needed discussion, is given in the same format as for generic synonymy (above). As before, all specific names cited are given in the original combination only (the current combination depends on the validity of the generic name), and currently accepted synonymy is stated in **boldface**. Junior synonyms of specific names, unless used as valid replacement names, are not listed in this catalogue.

Type locality and depository. This paragraph cites the general type locality (country; if a large country, then state, province, or region) and depository (according to the list of museum abbreviations below) with catalogue number, if known, of the name-bearing type specimen(s) of the type species and any valid senior synonym. The term "type(s)," as used here, includes a holotype, lectotype, or neotype specimen, or a syntype series. Appended is any needed discussion about uncertain information or designations of lectotypes or neotypes. Geographic names have been modernized after the seventh edition (Times Books, London, 1985) of *The Times Atlas*.

Redescriptions. The final paragraph of each entry cites selected (substantive and usually illustrated) redescriptions, if any exist, of the genus

and type species (therein referred to as "species") and revisions (accounts of all species of a given region).

MUSEUM ABBREVIATIONS

The following list gives the preferred abbreviations found in the in-house publications of the institutions themselves, where ascertainable and not duplicated.

AIM	Auckland Institute and Museum, Auckland, New Zealand
AMNH	American Museum of Natural History, New York
AMS	Australian Museum, Sydney
ANIC	Australian National Insect Collection, CSIRO, Canberra
BAN	Bulgarska Akademiia na Naukite, Sofia
BMNH	British Museum (Natural History), London
FMNH	Field Museum of Natural History, Chicago
IBAZ	Instituto de Biología Aplicada, Sección de Zoología, Universidad de Barcelona, Spain
LUZM	Zoologiska Museet, Lunds Universitet, Sweden
MACN	Museo Argentina de Ciencias Naturales, Buenos Aires, Argentina
MCZ	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts
MLP	Museo de La Plata, Buenos Aires, Argentina
MMB	Moravské Museum, Brno, Czechoslovakia
MNHN	Museum National d'Histoire Naturelle, Paris, France
MNRJ	Museu Nacional, Rio de Janeiro, Brasil
MNS	Museo Nacional de Historia Natural, Santiago, Chile
MRAC	Musée Royale de l'Afrique Centrale (Koninklijk Museum voor Midden-Afrika), Tervuren, Belgium
MSNG	Museo Civico di Storia Naturale, Genoa, Italy
MVM	Museo Nacional de Historia Natural, Montevideo, Uruguay
MZTU	Museo di Zoologia, Turin Università, Italy
MZUP	Museo Zoologico dell'Università di Padova, Italy (Canestrini collection)
NMB	Naturhistorisches Museum, Basel, Switzerland
NMP	Narodní Museum, Prague, Czechoslovakia
NMW	Naturhistorisches Museum Wien (Vienna), Austria
NRS	Naturhistoriska Riksmuseet, Stockholm, Sweden
NZNM	National Museum of New Zealand, Wellington
PMS	Prirodoslovni Muzej Slovenije, Ljubljana, Yugoslavia

QM	Queensland Museum, Brisbane, Australia
RMNH	Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands
RMS	Raffles Museum, Singapore
SAM	South African Museum, Cape Town
SM	Sarawak Museum, Kuching, Sarawak
SMF	Senckenberg Natur-Museum und Forschungsinstitut, Frankfurt, Germany
TUA	Zoological Museum, Tokyo University of Agriculture, Japan
ULZI	Zooloski Institut, Univerza v Ljubljani, Yugoslavia
USNM	National Museum of Natural History, Smithsonian Institution, Washington, D.C.
ZIL	Zoologicheskii Institut, Akademiia Nauk SSSR, Leningrad
ZIZM	Zoologisches Institut und Zoologisches Museum, Hamburg, Germany
ZLHU	Zoological Laboratory, Hiroshima University, Japan
ZMA	Instituut voor Taxonomische Zoologie, Zoologisch Museum, Amsterdam, Netherlands
ZMB	Zoologisches Museum (Humboldt Universität), Berlin, Germany
ZMUC	Universitetets Zoologiske Museum, Copenhagen, Denmark
ZSI	Zoological Survey of India (Indian Museum), Calcutta

Depositories for some type specimens are unknown or conjectural; these are discussed in notes rather than abbreviated.

OTHER ABBREVIATIONS

F.	Feminine (gender)
G.	Classical Greek
ICZN	International Code of Zoological Nomenclature
Isl.	Island
Isls.	Islands
L.	Classical Latin
M.	Masculine (gender)
N.	Neuter (gender)
†	Fossil genus

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FAMILY-GROUP NAMES

A name established for any family-group category is thereby also established, with the same author and date, for all such categories, i.e., superfamily, family, subfamily, and tribe (ICZN Art. 36a). Therefore, in the following list, each such name requires only one ending, which for convenience is given as subfamily (suffix *-inae*). Each name, with the appropriate change of suffix (to *-oidea*, *-idae*, or *-ini*), may be used for other categories at will.

I remind readers that the stem, to which family-group suffixes are added, is not merely the type genus name without its gender ending. It is the stem of the Latin or Greek genitive singular form (ICZN Art. 29b). That is why a subfamily formed from *Megalopsalis* is not *Megalopsalinae* (as originally spelled), but *Megalopsalidinae*. The genitive singular form of Greek *psalis*, "scissors," immediately following the word in Greek lexicons, is *psalidos*, whereof the stem is *psalid-*. Similarly, the type genus *Opilio* produces *Opilioninae* because the Latin genitive singular is *opilionis*; *Sclerosoma* produces *Sclerosomatinae* because the Greek genitive singular of *sōma* is *sōmatos*. A family-group name based on an incorrect stem or an incorrect spelling of the type genus, or with an incorrect ending, has no separate availability and must be corrected (ICZN Art. 32c-d). This applies to

the spellings Phalangita Latreille, 1802 (incorrect ending), Sclerosomini Roewer, 1910 (incorrect stem), Liobunini Banks, 1893 (based on incorrect spelling of *Leiobunum*), Megalopsalinae Forster, 1949 (incorrect stem), and Opilionides C. Koch, 1839 (incorrect ending). The name Gyantinae Šilhavý, 1946 (incorrect stem), is corrected below.

All family-group names ever proposed in Phalangioidea are treated below in alphabetical order. Refer to the genus catalogue for details on the type genera, including synonymic status.

Argyasterinae Nakatsudi, 1942

Nakatsudi 1942: 506.

Current status: unused.

Junior subjective synonym of Leiobuninae Banks, 1893: by Suzuki (1971: 203). **Synonymy disclaimed: herein.** Junior subjective synonym of Gagrellinae Thorell, 1889, new synonym (herein). Suzuki placed Argyasterinae under Leiobuninae because its type genus is a synonym of *Pseudogagrella* Redikorzev, 1936, at that time excluded from Gagrellinae because it lacks "femoral nodules." I consider *Pseudogagrella* to be gagrelline from its general facies and abdominal scute; therefore *Argyaster* and Argyasterinae are also gagrelline.

TYPE GENUS: *Argyaster* Nakatsudi, 1942.

Ballarrinae Hunt and Cokendolpher, 1991

Hunt and Cokendolpher 1991: 142.

Current status: subfamily of Neopilionidae.

TYPE GENUS: *Ballarra* Hunt and Cokendolpher, 1991.

Dentizacheinae Šilhavý, 1961

Šilhavý 1961: 266, 267.

Current status: unused.

Junior subjective synonym of Phalangiinae Latreille, 1802: by Staręga (1973b: 367-368).

TYPE GENUS: *Dentizacheus* Rambla, 1956.

Enantiobuninae Mello-Leitão, 1931

Mello-Leitão 1931a: 92.

Current status: subfamily of Neopilionidae (Šilhavý 1970: 175; Cokendolpher 1985: 399-400).

Junior subjective synonym of Neopilioninae Lawrence, 1931: by Mello-Leitão (1933: 99). Lawrence's name has two months' priority.

Synonymy disclaimed: by Šilhavý (1970: 175).

TYPE GENUS: *Enantiobunus* Mello-Leitão, 1931.

Redescriptions: characters discussed by Hunt and Cokendolpher (1991: 134-137, 169). These authors (p. 138) suggested raising Enantiobuninae to family rank, but that has not yet been done formally.

Gagrellinae Thorell, 1889

[as Gagrellini]

Thorell 1889: 607-608.

Current status: sometimes family, subfamily (herein, of Sclerosomatidae), and sometimes tribe (in dichotomy with Zaleptini). The tribe Gagrellini is sometimes called a "group" and spelled Gagreleae. The subfamily was first spelled with the correct ending by With (1903: 466).

TYPE GENUS: *Gagrella* Stoliczka, 1869.

Redescriptions: Ringuelet (1954: 277, 1959: 217), as subfamily; Staręga (1976a: 95-96), as family including Gagrellinae and Leiobuninae; Martens (1987: 89-90), as subfamily; see Ringuelet (1954: 275-284) and Cokendolpher (1984b) for discussion of characters.

Gyinae Šilhavý, 1946

[as Gyantinae, emended herein]

Šilhavý 1946b: 131-134.

Current status: subfamily of Sclerosomatidae (family for some authors). Martens (1982: 314), though maintaining the group, admitted that it is difficult to define.

Presumably, Šilhavý formed the spelling Gyantinae by analogy with the Greek noun (third declension) gigas "giant," whose genitive singular stem is gigant-. However, the Greek proper name of a specific giant, Gyas or Gyês, is of the first declension and its stem (in both Latin and Greek) is Gy-. The name was treated as such by the Greek mythological sources (Apollodorus and Hesiod) and the noun gyês "plow-tree" is treated similarly in lexicons. It is unfortunate that the widely-used spelling Gyantinae must be changed, but ICZN Arts. 29b, 32c, and 35d leave no alternative.

TYPE GENUS: *Gyas* Simon, 1879.

Redescriptions: Šilhavý (1956a: 179-180); Staręga (1976a: 106-107), as family; Martens (1978: 355-356, 1982: 314-315).

Leiobuninae Banks, 1893

[as Liobunini]

Banks 1893b: 208.

Current status: subfamily (usage as a family, still seen occasionally, is invalid since Sclerosomatidae and Gagrellidae have priority). Apparently, Bishop (1949: 168) was first to spell the name correctly.

TYPE GENUS: *Leiobunum* C. Koch, 1839.

Redescriptions: Šilhavý (1956a: 167); Spoek (1963: 62); Staręga (1976a: 96); Martens (1978: 393).

Leptobuninae Banks, 1901

[as Leptobunini]

Banks 1901: 673.

Current status: unused. Note that Roewer (1910a: 259) dated Leptobunini from Banks (1894: 165), but that paper ends on p. 164. Roewer (1923: 872) first corrected the ending.

Junior subjective synonym of Phalangiinae Latreille, 1802: by Cokendolpher (1985: 372).
TYPE GENUS: *Leptobunus* Banks, 1893.

Megalopsalidinae Forster, 1949
[as Megalopsalinae]

Forster 1949: 60.

Current status: in use for family and subfamily but must, at family level, be replaced by Monoscutidae (q.v.). Martens (1976: 54, 60) first corrected the name to Megalopsalididae.

Junior subjective synonym (at family level) of Monoscutinae Forster, 1948: **new synonym** (herein). Šilhavý (1970: 175) placed *Megalopsalis* together with *Monoscutum* in one subfamily, but wrongly continued to call the group Megalopsalinae [sic]. Hunt (1990: 193) and Hunt and Cokendolpher (1991: 134) separated these groups at subfamily level, but the family containing both must be called Monoscutidae (**new status**), which has one year's priority.

TYPE GENUS: *Megalopsalis* Roewer, 1923.

Redescription: Shear (1982: 109-110); characters discussed by Gruber and Hunt (1973: 384) and by Hunt and Cokendolpher (1991: 134-137, 169).

Mesosomatinae Weed, 1892
Weed 1892: 529-530.

Current status: invalid because the type genus is a junior homonym (ICZN Art. 39). If the name were in use (which it is not), it would have to be replaced by a name based on *Eumesosoma* Cokendolpher, 1980.

TYPE GENUS: *Mesosoma* Weed, 1892.

Redescription: Weed (1893b: 285-286).

Monoscutinae Forster, 1948
Forster 1948: 313.

Current status: family (**new status**) and subfamily; the family also contains Megalopsalidinae (q.v.).

TYPE GENUS: *Monoscutum* Forster, 1948.

Redescriptions: characters discussed by Hunt and Cokendolpher (1991: 134-137, 169).

Neopilioninae Lawrence, 1931
Lawrence 1931: 473.

Current status: family and subfamily.

TYPE GENUS: *Neopilio* Lawrence, 1931.

Redescriptions (as family): Kauri (1961: 141-143); Shear (1982: 110); Hunt and Cokendolpher (1991), as family (pp. 138-139) and subfamily (p. 139), with discussion of characters (pp. 134-137, 169).

Odontobuninae Kauri, 1985

Kauri 1985: 94.

Current status: unused.

Junior subjective synonym of Phalangiinae Latreille, 1802: **new synonym** (herein). Staręga (1984: 44-45) clearly showed that *Odontobunus* belongs to Phalangiinae, so the synonymy of the subfamily follows. Although Kauri's work was published after Staręga's, it was probably written some time previously.

TYPE GENUS: *Odontobunus* Roewer, 1910.

Oligolophinae Banks, 1893
[as Oligolophini]

Banks 1893b: 207.

Current status: subfamily of Phalangiidae (not accepted by all authors). Roewer (1923: 712) first corrected the ending. Oligolophinae was placed on the *Official list of family-group names in zoology* by the International Commission on Zoological Nomenclature (1971), name number 459.

Junior subjective synonym of Phalangiinae Latreille, 1802: by Spöck (1963: 22) and Cokendolpher (1981b: 309). Although never formally disclaimed, this synonymy has been ignored by most other authors. For my views on the question, see above (p. 4).

TYPE GENUS: *Oligolophus* K. Koch, 1871.

Redescriptions: Staręga (1976a: 111-112); Martens (1978: 309).

Opilioninae C. Koch, 1839
[as Opilionides]

C. Koch 1839b: 22-23.

Current status: subfamily of Phalangiidae (not yet in widespread use). First proposed as a substitute for Phalangiidae (but largely ignored since), the name was revived for a subfamily by Staręga (1976a: 156-157). Agassiz (1846: 261) first corrected the ending.

TYPE GENUS: *Opilio* Herbst, 1798.

Redescriptions: Staręga (1976a: 156-157, 1976b: 396-397).

Phalangiinae Latreille, 1802
[as Phalangita]

Latreille 1802b: 60.

Current status: superfamily, family, and subfamily. Some authors have wrongly attributed the name to Thorell (1876a) or Simon (1879b); by ICZN Art. 11f.ii, Latreille is the author. Simon (1879b: 158) first corrected the ending.

TYPE GENUS: *Phalangium* Linnaeus, 1758.

Redescriptions: Spöck (1963: 22), as subfamily but equivalent to family of Staręga; Staręga (1976a), as family (pp. 110-111) and subfamily (pp. 135-136); Martens (1978), as superfamily (p. 228-229), family (p. 229,

includes Sclerosomatidae), and subfamily (p. 230, includes Platybuninae and Opilioninae).

Platybuninae Starega, 1976

Starega 1976a: 146-147.

Current status: subfamily of Phalangiidae (not yet in widespread use).

TYPE GENUS: *Platybunus* C. Koch, 1839.

Redescription: Starega (1976b: 389).

Checklist: Starega (1981: 524-525).

Protolophinae Banks, 1893

[as Protolophini]

Banks 1893b: 206.

Current status: unused since first proposal; revalidation suggested herein and by Cokendolpher (1985: 399), who first corrected the ending.

TYPE GENUS: *Protolophus* Banks, 1893.

Redescriptions: characters briefly discussed by Cokendolpher (1985: 399). Differs from Sclerosomatinae by its enlarged palps, the carapace scent glands not covered, and the penis lacking an inclined or otherwise demarcated glans.

Sclerosomatinae Simon, 1879

Simon 1879b: 158.

Current status: family and subfamily.

TYPE GENUS: *Sclerosoma* Lucas, 1858.

Redescriptions: Šilhavý (1956a: 161); Spoek (1963: 60); Starega (1976a: 92-93); Martens (1978: 376-377). For discussion of characters see Martens (1973: 210-212).

Zaleptinae Banks, 1930

[as Zaleptini]

Banks 1930: 71.

Current status: tribe of Gagrellinae (e.g., by Suzuki 1966b: 116). Roewer (1955b: 123), Suzuki (1977a: 80, 1985b: 209), and others have used the spelling Zalepteae for a "group" or "genus group" which, however, is functionally equivalent to a tribe. The name has never been used for a subfamily. Martens (1987: 90) cast doubt on its validity.

TYPE GENUS: *Zaleptus* Thorell, 1876.

Redescriptions: all known descriptions are limited to a single character: scutum of abdomen unarmed. In the tribe Gagrellini the scutum bears median spine(s) or prominence(s).

GENUS-GROUP NAMES

All names ever proposed for genera and subgenera in Phalangioidae are treated below in alphabetical order. Each name is cross-referenced to subfamily (see above) in the second line of the entry and to current senior and junior synonyms in later lines. All species names are given by original combination only; readers are reminded that in transferring species to their current genus, the gender-ending must often be changed (as per any good Latin dictionary). See "Catalogue Features," pp. 5-6, for further explanation.

Acantholophus C. Koch, 1839

C. Koch 1839b: 27. Oligolophinae
M.; G. *akantha* "thorn" + G. *lophos* "crest."

Junior homonym of *Acantholophus* Dejean, 1834, and Boisdual, 1835 (Coleoptera): first declared invalid by Banks (1893a: 402), who correctly replaced it with *Lacinius* Thorell, 1876 (q.v.).

Senior objective synonym of *Lacinius* Thorell, 1876: by Simon (1879b: 253).

TYPE by subsequent designation of Thorell (1876a: 464): *Opilio hispidus* Herbst, 1798 (Herbst 1798: 20-22, pl. 3 figs. 1-2, pl. 5 figs. N-P. Simon (1879b: 253) wrongly stated the type to be *Phalangium horridum* Panzer, then considered distinct.

Junior subjective synonym of *Phalangium horridum* Panzer, 1794 (Panzer 1794: plate 21 + one p. text): by Kulczyński (1904: 80-81), previously suggested by Kraepelin (1896: 229-230).

Phalangium horridum is the type of *Lacinius*. Roewer (1912c: 73-74) accepted the synonymy but wrongly treated *O. hispidus* as valid.

Type(s) of *O. hispidus* from Germany (Berlin), Herbst coll., presumed lost; of *P. horridum* from Germany (Dresden), von Block coll., presumed lost.

Acanthonotus C. Koch, 1839

C. Koch 1839b: 36-37. Gagrellinae
M.; G. *akantha* "thorn" + G. *nôtos* "back."

Junior homonym of *Acanthonotus* Goldfuss, 1809 (Mammalia) and 2 uses in Pisces; replaced by *Syleus* Thorell, 1876 (q.v.), *nomen novum*.

TYPE by monotypy: *Acanthonotus niger* C. Koch, 1839 (C. Koch 1839b: 37).

Type(s) from India (Bombay dist.) presumed lost; neotype from India (Bombay) designated by Roewer (1955a: 118), at SMF (RII/3171/250).

Redescriptions: I can find none later than the non-substantive one of Roewer (1923: 928).

Acihasta Forster, 1948

Forster 1948: 315. Monoscutinae
F.; G. *akê* "point" + L. *hasta* "spear."

TYPE by original designation: *Acihasta*

salebrosa Forster, 1948 (Forster 1948: 315-316, pl. 61 figs. 5-6).

Type(s) from New Zealand at AIM.

***Acropiliops* Mello-Leitão, 1933**

Mello-Leitão 1933: 99. *Gagrellinae*

M.; G. akro- "top" + *Opilio* + G. ôps "eye."

Although ôps is F., all names ending in -ops are M. by ICZN Art. 30a.ii.

Transferred from Neopilioninae to *Gagrellinae* by Hunt and Cokendolpher (1991: 132-133).

TYPE by monotypy: *Acropiliops ruricola* Mello-Leitão, 1933 (Mello-Leitão 1933: 100, figs. 1-2 on unnumbered plate).

Type(s) from Brasil (Paraná state) at MNRJ (26911).

***Adungrella* Roewer, 1955**

Roewer 1955b: 158 *Gagrellinae*

F.; locality Adung-Tal + *Gagrella*.

TYPE by original designation: *Adungrella aenea*

Roewer, 1955 (Roewer 1955b: 158).

Type(s) from Burma at SMF (RII/5427/344).

***Akalpia* Roewer, 1915**

Roewer 1915a: 109. *Gagrellinae*

F.; locality Akalpa.

TYPE by monotypy: *Akalpia oblonga* Roewer, 1915 (Roewer 1915a: 110).

Type(s): 2 syntypes from India (Bombay dist.) stated to be at ZSI by Roewer (1915a: 110).

According to Roewer (1955a: 97, "several" types are at ZSI and 2 "paratypes" at SMF, RI/3/1013.

One of these records must be spurious.

***Altobunus* Roewer, 1910**

Roewer 1910a: 42. *Gagrellinae*

M.; L. altus "high" + G. bounos "mound."

TYPE by original designation: *Altobunus*

formosus Roewer, 1910 (Roewer 1910a: 43, pl. 3 fig. 11).

Type(s) from Indonesia (Celebes) at SMF (RI/3/70).

Redescription of genus (and catalogue): Roewer (1954a: 236).

†*Amauropilio* Mello-Leitão, 1937

Mello-Leitão 1937: 1222 note. *Leiobuninae*

M.; G. amauros "blind, obscure" + *Opilio*.

TYPE by original designation: *Phalangium lacoiei* Petrunkevitch, 1922 (Petrunkevitch 1922: 278, fig. p. 277).

In designating this species, Mello-Leitão used the incorrect spelling *Phalangium lawei*; by ICZN Art. 67d, it is "deemed to have been cited in its correct original spelling."

Type(s) from U.S.A. (Colorado), Florissant Formation, age Oligocene, at USNM (no. 38124).

Redescriptions: Cokendolpher and Cokendolpher (1982), of genus (p. 1215) and

species (p. 1216).

***Amazonesia* Soares, 1970**

Soares 1970: 335. *Gagrellinae*

F.; Amazonas (state).

TYPE by original designation: *Amazonesia quadriprocessigera* Soares, 1970 (Soares 1970: 335-336, fig. p. 331).

Type(s) from Brasil (Amazonas) at MNRJ.

***Americovibone* Hunt and Cokendolpher, 1991**

Hunt and Cokendolpher 1991: 165. *Ballarrinae*

F.; "American" + *Vibone*.

TYPE by original designation: *Americovibone lanfrancoae* Hunt and Cokendolpher, 1991 (Hunt and Cokendolpher 1991: 165-167).

Type(s) from Chile at MNS.

***Amilenus* Martens, 1969**

Martens 1969a: 219-220. *Dicranopalpus* group

M.; *Nelima* spelled backwards + -us.

Martens (1969a, 1978) placed *Amilenus* in *Gyinae* (*Gyantinae*); see "Family Classification," p. 4, for my comments.

TYPE by original designation: *Liobunum aurantiacum* Simon, 1881 (Simon 1881: 84-85).

Type(s) from France, syntypes divided between MNHN and SMF (RI/5/23), the latter mislabeled cotypes or paratypes (Roewer 1923: 916, 1957: 347).

Redescriptions: Šilhavý (1956a: 178-179, figs. p. 176-177), of species; Martens (1969a: 220-222), of species; Martens (1978), of genus (p. 372) and species (pp. 372-376).

***Antigrella* Roewer, 1954**

Roewer 1954a: 235. *Gagrellinae*

F.; G. anti "opposite" + *Gagrella*.

TYPE by original designation: *Antigrella orissana* Roewer, 1954 (Roewer 1954a: 235, fig. p. 231).

Type(s) from India (Orissa) at SMF (RII/3203/282).

***Apogrella* Roewer, 1955**

Roewer 1955a: 75. *Gagrellinae*

F.; G. apo "away" + *Gagrella*.

Junior subjective synonym of *Bonthainia* Roewer, 1913: by Suzuki (1977a: 68-69).

TYPE by original designation: *Apogrella celebensis* Roewer, 1955 (Roewer 1955a: 75, fig. p. 79).

Type(s) from Indonesia (Celebes) at SMF (RII/10299/622).

***Apozacheus* Šilhavý, 1965**

Šilhavý 1965: 374. *Phalangiinae*

M.; G. apo "away" + *Zacheus*.

Junior objective synonym of *Metaphalangium*

Roewer, 1911: by *Staręga* (1984: 42).

Current synonyms: see *Odontosoma*.

TYPE by original designation: *Zacheus moesiacus* Roewer, 1923 (Roewer 1923: 828-829).

Junior subjective synonym of *Opilio cirtanus* C. Koch, 1839 (C. Koch 1839b: 35): by *Staręga* (1984: 41-42). *Opilio cirtanus* is type of *Metaphalangium*.

Type(s) of *Z. moesiacus* from Serbia (now Yugoslavia) at SMF (RII/511/36); of *O. cirtanus* from Algeria, depository unknown.

Redescription of species: *Staręga* (1984: 38-42), sub *Metaphalangium cirtanum*.

Argyraster Nakatsudi, 1942

Nakatsudi 1942: 506-507. **Gagrellinae**

M.; *G. argyros* "silver" + *G. astēr* "star."

Junior subjective synonym of *Pseudogagrella* Redikorzev, 1936: by Suzuki (1971: 204).

TYPE by original designation: *Argyraster amamiana* Nakatsudi, 1942 (Nakatsudi 1942: 507-508), should have been spelled *A. amamianus*.

Type(s) from Japan (Amami O-shima Isl.) at TUA.

Redescription of species: Suzuki (1971: 204-205).

Arrallaba Hunt and Cokendolpher, 1991

Hunt and Cokendolpher 1991: 163. **Ballarrinae**

F.; *Ballarra* spelled backwards + -a.

TYPE by original designation: *Arrallaba spheniscus* Hunt and Cokendolpher, 1991 (Hunt and Cokendolpher 1991: 163-164).

Type(s) from Australia (Capital Territory) at ANIC.

Arthrocentrus Thorell, 1889

Thorell 1889: 623. **Gagrellinae**

M.; *G. arthron* "joint" + *G. kentron* "point".

Although *kentron* is neuter, Thorell's spelling makes the name masculine (ICZN Art. 30a.iii).

Junior subjective synonym of *Gagrella*

Stoliczka, 1869: by Roewer (1910a: 45 footnote, 56), previously suggested by With (1905: 4).

Synonymy disclaimed: herein (see discussion under *Gagrella*). **Junior subjective synonym** of *Hexomma* Thorell, 1876: implied by Roewer (1910a: 56, 73) who treated the two type species as congeneric.

Current synonym: *Gagrella* Roewer, 1910 (q.v.).

TYPE by original designation: *Arthrocentrus atratus* Thorell, 1889 (Thorell 1889: 623-625).

Junior secondary homonym of *Gagrella atrata* Stoliczka, 1869, first recognized by Roewer (1910a: 56) and replaced by *Gagrella arthrocentra* Roewer, 1910, *nomen novum*. Oddly, Roewer never explicitly stated the homonymy or the status of his new name, which he persisted in crediting to Thorell (Roewer 1910a: 56, 1923: 961). Roewer (1954a: 205) finally credited the name to himself, without

comment.

Type(s) from Burma at MSNG.

Astrobunus Thorell, 1876

Thorell 1876a: 466. **Sclerosomatinae**

M.; *G. astron* "star" + *G. bounos* "mound."

Valid replacement (*nomen novum*) for *Hoplites* L. Koch, 1869, preoccupied (q.v.). The International Commission on Zoological Nomenclature (1955: 50) placed *Astrobunus* on the Official List of Generic Names in Zoology, No. 878, with type *Hoplites argentatus* L. Koch, 1869.

Current synonym: *Roeweriolus*.

TYPE: see *Hoplites*.

Redescriptions of genus: *Staręga* (1976a: 93), Martens (1978: 380-381). Of species: Hadži (1931: 117-118), Martens (1978: 389-391, figs. pp. 382, 388).

Aurivillia Roewer, 1910

Roewer 1910a: 98. **Gagrellinae**

F.; collector (Carl) Aurivillius.

Junior homonym of *Aurivillia* Tutt, 1902 (Lepidoptera); replaced by *Aurivilliola* Roewer, 1910 (q.v.), *nomen novum*. Roewer (1910b) wrongly believed his *Aurivillia* preoccupied by *Aurivillius* Packard, 1902 (Lepidoptera: Saturniidae), but I have confirmed that *Aurivillia* Tutt is an available name in the family Lasiocampidae, unrelated to *Aurivillius* Packard.

TYPE by original designation: *Melanopa aurivillii* Thorell, 1894 (Thorell 1894: 22-23).

Type(s) from Indonesia (Java); the 3 syntypes (Thorell 1894: 23) are apparently divided between NRS, SMF (RI/2/68), and ZIZM (Roewer 1923: 1003, 1955a: 111). However, according to Weidner (1959: 120), the ZIZM "cotypes" are spurious, having been collected 8 years after the species was described! This may also apply to the SMF specimen.

Aurivilliola Roewer, 1910

Roewer 1910b: 177. **Gagrellinae**

F.; *Aurivillia* + *L. -ola*, diminutive.

Valid replacement (*nomen novum*) for *Aurivillia* Roewer, 1910, preoccupied (q.v.).

Azucarella Roewer, 1959

Roewer 1959: 84. **Gagrellinae**

F.; locality Pan de Azucar + *L.* diminutive suffix.

TYPE by original designation: *Azucarella weyrauchi* Roewer, 1959 (Roewer 1959: 84-85, fig. p. 83).

Type(s) from Peru at SMF (RII/12783/641).

Bactrophalangium Šilhavý, 1966

Šilhavý 1966: 251. **Phalangiinae**

N.; *L. Bactra* (now Balkh, Afghanistan) +

Phalangium.

TYPE by original designation:
Bactrophalangium jakesi Šilhavý, 1966 (Šilhavý 1966: 252-254).

Type(s) from Afghanistan at MMB.

Redescription of genus: Gritsenko (1980: 562).

***Bakerinulus* Roewer, 1955**

Roewer 1955b: 153. Gagrellinae
M.; collector F. Baker + L. suffixes -ina "like" and -ulus (diminutive).

TYPE by original designation: *Bakerinulus luzonicus* Roewer, 1955 (Roewer 1955b: 153, fig. p. 161).

Type(s) from Philippines at SMF (RII/3214/293).

***Ballarra* Hunt and Cokendolpher, 1991**

Hunt & Cokendolpher 1991: 142-143. Ballarrinae
F.; Aboriginal ballarra "spear barbs."

TYPE by original designation: *Ballarra drosera* Hunt and Cokendolpher, 1991 (Hunt and Cokendolpher 1991: 144-148).

Type(s) from Australia (New South Wales) at AMS (KS 19434).

***Bastia* Roewer, 1910**

Roewer 1910a: 156. Gagrellinae
F.; locality Maria Basti.

TYPE by original designation: *Bastia lineata* Roewer, 1910 (Roewer 1910a: 156, pl. 3 fig. 29).

Type(s) from India at MNHN.

***Bastioides* Mello-Leitão, 1931**

Mello-Leitão 1931b: 116. Gagrellinae
M.; *Bastia* + G. -oides "like." The author treated *Bastioides* as feminine, but names ending in -oides are masculine by ICZN Art. 30b.

TYPE by original designation: *Bastioides coxopunctata* Mello-Leitão, 1931 (Mello-Leitão 1931b: 116). The name is hereby emended to *B. coxopunctatus* as per ICZN Art. 32d.ii.

Type(s) from Brasil (Bahia state) at MNRJ (1360); type data from Soares (1945: 387).

***Baturitia* Roewer, 1931**

Roewer 1931: 541. Gagrellinae
F.; locality Baturiti.

TYPE by monotypy: *Baturitia trispinosa* Roewer, 1931 (Roewer 1931: 541-542).

Type(s) from Indonesia (Bali) at SMF (RII/2498/226).

***Biceropsis* Roewer, 1935**

Roewer 1935: 24. Gagrellinae
F.; L. bi- "two" + G. kerôs "horn" + G. ophis (F.) "appearance."

TYPE by monotypy: *Biceropsis maculata* Roewer, 1935 (Roewer 1935: 24-25).

Type(s) from Burma, either at MSNG (10238) as

per original description, or SMF (RII/5809/375) as per Roewer (1955b: 156).

***Bidentolophus* Roewer, 1912**

Roewer 1912c: 82. Oligolophinae

M.; L. bidens "two-toothed" + G. lophos "crest."

Junior subjective synonym of *Lacinius* Thorell, 1876: by Gruber (1964: 4, in text). W. Staręga (*in litt.*) questions this placement.

TYPE by original designation: *Acantholophus bidens* Simon, 1880 (Simon 1880: 126-127).

Type(s) from China (Beijing area) at MNHN.

***Bolea* Hadži, 1973**

Hadži 1973: 94; 116. Platybuninae
F.; collector J. Bole.

Junior objective synonym of *Lophopilio* Hadži, 1931: by Martens (1978: 297). **Synonymy disclaimed: herein.** Hadži's figures, on which Martens based his synonymy, resemble a *Metaplatybunus* or *Megabunus*; many characters fail to match *Lophopilio* (J. Gruber, *in litt.*).

TYPE by original designation: *Bolea ephippiata* Hadži, 1973 (Hadži 1973: 94-96; 117).

Junior subjective synonym of *Opilio palpalis* Herbst, 1799 (Herbst 1799: 6-7, 25, pl. 7 fig. 2): by Martens (1978: 298). *Opilio palpalis* is type of *Lophopilio*. **Synonymy disclaimed: herein** (see above).

Type(s) from Yugoslavia, presumed lost (T. Novak, *in litt.*).

***Bonthainia* Roewer, 1913**

Roewer 1913: 79. Gagrellinae
F.; locality Pik von Bonthain.

Current synonyms: *Apogrella*, *Narmadella*, *Nilgirisia*.

TYPE by monotypy: *Bonthainia aenescens* Roewer, 1913 (Roewer 1913: 79-80).

Type(s) from Indonesia (Celebes) at NMB (11a).

***Bullobunus* Roewer, 1910**

Roewer 1910a: 153. Gagrellinae
M.; L. bulla "round swelling" + G. bounos "mound."

Suggested junior subjective synonym of *Zaleptus* Thorell, 1876: by Banks (1930: 72). No one has acted on Banks's suggestion.

TYPE by original designation: *Bullobunus luteovittatus* Roewer, 1910 (Roewer 1910a: 153-154).

Type(s) from Philippines at ZIZM, missing (Weidner 1959: 120). The "paratype" at SMF cited by Roewer (1955b: 165) was not mentioned in the original description and not called a type by Roewer (1923: 1061); unless the locality name has been changed, it is not a type.

Bunochelis Roewer, 1923

Roewer 1923: 767. Phalangiinae

F.; G. bounos "mound" + G. chêlê "claw." The ending -is (gender indeterminate) becomes feminine because Roewer (1923: 767) treated it as such in the combination *B. spinifera*; see ICZN Art. 30a.i.**Valid replacement** (*nomen novum*) for*Bunostomum* Roewer, 1911, preoccupied (q.v.).

Revision: Starega (1972), with redescriptions of genus (pp. 462-463) and type species (pp. 464-467).

Bunostomum Roewer, 1911

Roewer 1911b: 79-80. Phalangiinae

N.; G. bounos "mound" + G. stomôma "mouth."

Junior homonym of *Bunostomum* Railliet, 1902 (Nematoda); replaced by *Bunochelis* Roewer, 1923 (q.v.), *nomen novum*.**TYPE** by original designation: *Bunostomum crassipes* Roewer, 1911 (Roewer 1911b: 80-82, pl. 2 figs. 2-3).**Junior subjective synonym** of *Phalangium spiniferum* Lucas, 1839 (Lucas 1839: 46-47, pl. 7 figs. 7-7a): by Roewer (1923: 767). However, in this synonymy Roewer dated *P. spiniferum* from Simon (1878), where no such name is mentioned, and elsewhere (p. 759) treated *P. spiniferum* Lucas as a species of *Metaphalangium*! Possibly for this reason, Starega (1972: 464) claimed credit for the first synonymy of *Bunostomum crassipes* under *P. spiniferum* Lucas.Type(s) of *B. crassipes* from Canary Isls. (Tenerife) at SMF (RI/8/648); of *P. spiniferum* from Canary Isls., restricted to Tenerife by Starega (1972: 467), at MNHN.**Buresilia** Šilhavý, 1965

Šilhavý 1965: 374. Platybuninae

F.; for Bulgarian zoologist Dr. Ivan Bureš.

TYPE by original designation: *Metadasylobus nigerrimus* Roewer, 1956 (Roewer 1956: 269-270, figs. p. 275).

Type(s) from "Antiochia" (Turkey, Antakya) at SMF (RII/11158/337).

Caiza Roewer, 1925

Roewer 1925: 32. Gagrellinae

F.; locality Caiza.

TYPE by monotypy: *Caiza colliculosa* Roewer, 1925 (Roewer 1925: 32-33, pl. 6 fig. 24).

Type(s) from Bolivia originally at MZTU, now divided between MZTU and SMF, RII/346/144, miscalled paratypes (Roewer 1953a: 185).

Redescription of genus: Ringuelet (1959: 217-218).

Caluga Roewer, 1959

Roewer 1959: 85. Gagrellinae

F.; locality Pichita-Caluga.

TYPE by original designation: *Caluga rupicola* Roewer, 1959 (Roewer 1959: 85-86).

Type(s) from Peru at SMF (RII/12784/642).

Carinobius Roewer, 1955

Roewer 1955b: 169. Gagrellinae

M.; locality Carin Ghecu + G. bios "life."

TYPE by original designation: *Carinobius bicornutus* Roewer, 1955 (Roewer 1955b: 169-170, figs. p. 167).

Type(s) from Burma at SMF (RII/5756/346).

Carmenia Roewer, 1915

Roewer 1915b: 140. Gagrellinae

F.; locality Peña di Carmen.

Described in Leiobuninae, but transferred to Gagrellinae by Cokendolpher (1984b: 472).

TYPE by monotypy: *Carmenia bunifrons* Roewer, 1915 (Roewer 1915b: 140-141).Type(s) from Colombia at SMF (RI/4/1163). The locality data may be wrong, as with numerous Roewer collection specimens (Helversen and Martens 1972; Cokendolpher and Lanfranco 1985: 313); *Carmenia* seems related to eastern Asian genera (Cokendolpher 1984b: 473).

Redescriptions: Cokendolpher (1984b), of genus (pp. 473-475) and species (pp. 475-477, figs. p. 474).

Carmichaelus Roewer, 1929

Roewer 1929a: 157. Gagrellinae

M.; collector Lord Carmichael.

TYPE by monotypy: *Carmichaelus maculatus* Roewer, 1929 (Roewer 1929a: 157-158).

Type(s) from India (Darjiling) originally at ZSI (1038/18). Of 4 original syntypes (Roewer 1929a: 158), Roewer (1955b: 169) stated there were "several" at ZSI and 3, miscalled paratypes, at SMF, RII/797/76.

Cerastoma C. Koch, 1839

C. Koch 1839b: 29-30. Phalangiinae

N.; G. keras "horn" + G. stoma "mouth."

Junior objective synonym of *Phalangium* Linnaeus, 1758: by Simon (1879b: 193, 197 note).**TYPE** by subsequent designation of Simon (1879b: 193): *Phalangium cornutum* Linnaeus, 1767 (Linnaeus 1767: 1028).**Junior subjective synonym** of *Phalangium opilio* Linnaeus, 1758 (type of *Phalangium*): by Latreille (1798: 114, 1802a: 377). Synonymy disclaimed: by Meade (1855: 399-401, 404), who believed (following Herbst 1798: 12) that *P. opilio* Linnaeus was *Phalangium parietinum* De Geer, 1778, now type of *Opilio*. Thorell (1876a: 486-490) and Roewer (1912c: 91, 124), among others, followed Meade. All modern authors follow Simon (1879b: 195) and Roewer (1923: 751-752) in reaffirming the synonymy.

Type(s) of *P. cornutum* from Germany, of *P. opilio* from Europe and America, presumed lost.

***Ceratobunellus* Roewer, 1911**

Roewer 1911a: 175-176. Gagrellinae
M.; *Ceratobunus* + L. -ellus, diminutive.

TYPE by subsequent designation of Roewer (1955b: 138): *Ceratobunus calcuttensis* With, 1903 (With 1903: 477-478).

Type(s) from India at ZSI.

***Ceratobunoides* Roewer, 1923**

Roewer 1923: 1063. Gagrellinae
M.; *Ceratobunus* + G. -oides "like."

TYPE by monotypy: *Ceratobunoides sumatranus* Roewer, 1923 (Roewer 1923: 1063).

Type(s) from Indonesia (Sumatra) at RMNH.

***Ceratobunus* Thorell, 1889**

Thorell 1889: 615-616. Gagrellinae
M.; G. keras "horn" + G. bounos "mound."

Junior subjective synonym of *Zaleptus* Thorell, 1876: by With (1905: 3). **Synonymy disclaimed** (or, rather, ignored): by Roewer (1910a: 142).

TYPE by original designation: *Ceratobunus annulatus* Thorell, 1889 (Thorell 1889: 616-619).

Type(s) from Burma at RMS or MSNG.

***Cervibunus* Roewer, 1912**

Roewer 1912b: 51. Gagrellinae
M.; L. cervus "deer" + G. bounos "mound."

TYPE by monotypy: *Cervibunus maculatus* Roewer, 1912 (Roewer 1912b: 52).

Type(s) from Burma at SMF (RI/3/93); of 4 syntypes, 1, mislabeled paratype, is at ZIZM (Roewer 1955b: 152, Weidner 1959: 120).

***Chasenella* Roewer, 1955**

Roewer 1933: 46. Gagrellinae
F.; collector F. N. Chasen + L. -ella, diminutive.

A genus proposed, like *Chasenella*, after 1930 without fixation of type species is not thereby made available (ICZN Art. 13b). A name takes authorship and date only when it satisfies the criteria of availability (Art. 10a), and is credited to the author who made it available (Art. 50a). *Chasenella* became available when the type was designated; however, the included species were available from 1933 (Art. 11h.iii).

TYPE by subsequent designation of Roewer (1955a: 73): *Chasenella luma* Roewer, 1933 (Roewer 1933: 46-47).

Type(s) from Malaysia (Sabah, NE Borneo); Roewer (1933: 46) mentioned only 3 syntypes. Roewer (1955a: 73) cited 3, mislabeled "type and paratypes," at RMS, the original depository, and 3 "paratypes" at SMF, RII/3340/316. One of these records must be spurious.

***Chebabius* Roewer, 1935**

Roewer 1935: 23. Gagrellinae
M.; locality names Carin Chebá and Biá Pó.

TYPE by monotypy: *Chebabius angulatus* Roewer, 1935 (Roewer 1935: 23-24).

Type(s) from Burma, either at MSNG (10239) as per original description, or SMF (RII/5810/376) as per Roewer (1955a: 113).

†*Cheiromachus* Menge, 1854

in Koch and Berendt 1854: 102. Incertain sedis
M.; G. cheir "hand" + G. -machos "fighting."

Some sources incorrectly date this name from Menge (1850), where it is not mentioned, or Menge (1856: 11), a subsequent discussion.

TYPE by monotypy: *Cheiromachus coriaceus* Menge, 1854 (Menge note in Koch and Berendt 1854: 102, combined genus and species description).

Type(s) from locality not stated but probably Poland near Gdansk (Danzig), Baltic amber, age Oligocene, possibly at ZMB.

Redescription: Petrunkevitch (1955: P85-P86).

***Chelibunus* Roewer, 1915**

Roewer 1915b: 135. Phalangiinae
M.; G. chëlê "claw" + G. bounos "mound."

Junior subjective synonym of *Odontobunus* Roewer, 1910 (and junior objective synonym of *Cheops* Sørensen, 1910): by Staręga (1984: 45, 49).

Current synonym: *Ruandella*.

TYPE by monotypy: *Chelibunus africanus* Roewer, 1915 (Roewer 1915b: 135-136).

Junior subjective synonym of *Cheops armatus* Sørensen, 1910 (Sørensen 1910: 67-68, pl. 4 fig. 2): by Staręga (1984: 47, 49). *Cheops armatus*, the type of *Cheops*, is now placed in *Odontobunus*.

Type(s) of *Chelibunus africanus* from Kenya at SMF (RI/7/1168); of *Cheops armatus* from Kenya at ZMB (12275), according to Staręga (1984: 49), but see next entry.

Redescription of species: Staręga (1984: 47-49), sub *Odontobunus armatus*.

***Cheops* Sørensen, 1910**

Sørensen 1910: 67. Phalangiinae
M.; G. name of a famous Egyptian pharaoh.

Junior subjective synonym of *Odontobunus* Roewer, 1910: by Staręga (1984: 45, 49). The senior synonym has only one month's priority!

Current synonyms: *Chelibunus*, *Ruandella*.

TYPE by monotypy: *Cheops armatus* Sørensen, 1910 (Sørensen 1910: 67-68, pl. 4 fig. 2).

Type(s) from Kenya. Of 33 syntypes, 2, mislabeled paratypes, are at ZMB, no. 12275 (Moritz 1971: 191), 1 at SMF, RI/7/619, and the rest probably at RMS (Roewer 1923: 810).

Redescription of species: Staręga (1984: 47-49),

sub *Odontobunus*.

***Coptophalangium* Starega, 1984**

Starega 1984: 5-6. Phalangiinae

N.; modern word Coptic (for native Christians of Egypt and Ethiopia) + *Phalangium*.

TYPE by original designation: *Opilio buniger*

Roewer, 1956 (Roewer 1956: 284, figs. p. 283).

Type(s) from Ethiopia at SMF (RII/2830/117).

***Coonoora* Roewer, 1929**

Roewer 1929a: 145. Gagrellinae

F.; locality Coonoor.

TYPE by monotypy: *Coonoora biceratops*

Roewer, 1929 (Roewer 1929a: 145-146).

Type(s) from India at ZSI (1076/18).

***Corderobunus* Mello-Leitão, 1938**

Mello-Leitão 1938: 322. Gagrellinae

M.; collector Ergasto E. Cordero + G. bounos "mound."

Junior subjective synonym of *Parageaya* Mello-Leitão, 1933: by Ringuet (1954: 296-297).

TYPE by original designation: *Hypsibunus corderoi* Mello-Leitão, 1936 (Mello-Leitão 1936: 17-18, fig. 13 on unnumbered plate).

Type(s) from Brasil (Pernambuco state) at MNRI (42557), as per Soares (1945: 387); lectotype designated by Capocasale (1976: 38).

Redescription of species: Capocasale (1976: 37-39).

***Cosmobunus* Simon, 1879**

Simon 1879b: 189. Leiobuninae

M.; G. kosmos "ornament" + G. bounos "mound."

Transferred to Leiobuninae from Leptobuninae by Cokendolpher (1985: 399).

TYPE by monotypy: *Phalangium granarium*

Lucas, 1846 (Lucas 1846: 289-290, pl. 19 fig. 3).

Type(s) from Algeria at MNHN; 2 syntypes also at SMF, RI/5/15 (Roewer 1957: 354).

Redescription of species: Rambla (1970: 84-89).

***Crassippus* Roewer, 1910**

Roewer 1910a: 100. Gagrellinae

M.; L. crassus "thick" + L. cippus "stake."

Junior subjective synonym of *Gagrella*

Stoliczka, 1869: by Strand (1928a: 57, 1928b: 44) and Banks (1930: 58). Roewer consistently ignored this synonymy in later papers, but consistently included the true type species of *Gagrella* in *Crassippus*, so the synonymy must hold good. See *Gagrella* (both entries) and *Hexomma* for further discussion.

TYPE by original designation: *Gagrella*

semigranosa Simon, 1901 (Simon 1901: 83).

Type(s) from Malaysia at MNHN. Simon cited 3

localities in Kelantan and "Jalor" provinces of peninsular Malaysia. For the identity of Jalor, see under *Verpulus*.

***Cristina* Loman, 1902**

Loman 1902: 174. Phalangiinae

F.; L. crista "crest" + L. -ina "like."

Current synonym: *Novabunus*.

TYPE by monotypy: *Cristina crassipes* Loman, 1902 (Loman 1902: 174-175, pl. 9 fig. 3).

Type(s) from Togo: 19 syntypes at ZMB, 12283 (Moritz 1971: 194), and 3, mislabeled paratypes, at SMF, RI/7/615 (Roewer 1956: 249).

Redescriptions: Starega (1984), of genus (p. 7) and species (pp. 8-9).

***Dacnopilio* Roewer, 1911**

Roewer 1911b: 95-96. Phalangiinae

M.; G. daknô "to bite" + *Opilio*.

TYPE by original designation: *Dacnopilio armatus* Roewer, 1911 (Roewer 1911b: 96-97, pl. 3 fig. 10).

Type(s) from Togo; according to Starega (1984: 19), syntype series divided between ZMB (12285) and SMF (RI/7/658). The original description mentioned only the 3 ZMB specimens, which are extant (Moritz 1971: 191); Roewer (1956: 250) mentioned only the SMF "types," which are probably spurious.

Redescriptions: Starega (1984), of genus (pp. 16-17) and species (pp. 17-20).

***Dalquestia* Cokendolpher, 1984**

Cokendolpher 1984a: 28-32. *Metopilio* group

F.; for Dr. Walter W. Dalquest.

TYPE by original designation: *Eurybunus formosus* Banks, 1910 (Banks 1910: 156).

Type(s) from U.S.A. (Texas) at MCZ. Lectotype designated by Cokendolpher (1984a: 32).

Revision: Cokendolpher (1984a: 27-43) with redescription of species (pp. 32-37, figs. pp. 30-31).

***Dasylobus* Simon, 1878**

Simon 1878: ccxviii (footnote). Phalangiinae

M.; G. dasys "hairy" + G. lobos "lobe."

Current synonyms: *Eudasylobus*, *Euplatybanus*, *Parazacheus*.

TYPE by original designation: *Opilio*

Argentatus Canestrini, 1871 (Canestrini 1871: 382).

Simon incorrectly gave the original combination as *Phalangium argentatum*. This species (with some others) was described by Canestrini in three papers at about the same time (1871, 1872a, 1872b); all three have been cited in different references as the source of the species. The one cited here seems to be earliest.

Type(s) from Italy (Sardinia) at MZUP, Canestrini coll. No. 634; lectotype designated by

Chemini (1986: 124).

Redescription of species: Chemini (1986: 132, figures of male). See also *Eudasylobus*.

Dentizacheus Rambla, 1956

Rambla 1956: 38-39. Phalangiinae

M.; L. dens "tooth" + *Zacheus*.

From 1961-1973, placed in the ill-starred subfamily Dentizacheinae Šilhavý.

Junior objective synonym of *Metadasylobus* Roewer, 1911: by Staręga (1973b: 368-369).

TYPE by monotypy: *Dentizacheus tinerfensis* Rambla, 1956 (Rambla 1956: 39-41, fig. p. 37).

Junior subjective synonym of *Dasylobus fuscoannulatus* Simon, 1883 (Simon 1883: 298-300): by Staręga (1973b: 368-369). *Dasylobus fuscoannulatus* is type of *Metadasylobus*.

Type(s) from Canary Isls. (Tenerife), of *Dentizacheus tinerfensis* at IBAZ (No. 230-231), of *Dasylobus fuscoannulatus* at MNHN.

Redescription of species: Staręga (1973b: 369-371).

Dentobunus Roewer, 1910

Roewer 1910a: 31. Gagrellinae

M.; L. dens "tooth" + G. bounos "mound."

TYPE by original designation: *Dentobunus kraepelinii* Roewer, 1910 (Roewer 1910a: 36).

Type(s) from Indonesia (Java), 2 syntypes at ZIZM (Weidner 1959: 121) and 2 at SMF (Roewer 1955a: 83), RI/3/63, miscalled paratypes.

Diabunus Thorell, 1876

Thorell 1876a: 464-465. Opilioninae

M.; G. dia "across (transverse)" + G. bounos "mound."

Junior subjective synonym of *Egaenus* C. Koch, 1839: by Staręga (1978: 222).

TYPE by original designation: *Diabunus oedipus* Thorell, 1876 (Thorell 1876a: 473-475).

Type(s) from Iran at MSNG.

Diangathia Roewer, 1955

Roewer 1955b: 147. Gagrellinae

F.; derivation unknown.

TYPE by original designation: *Diangathia bovisfrons* Roewer, 1955 (Roewer 1955b: 147, figs. p. 151).

Type(s) from India at SMF (RII/6490/477).

Redescriptions: Martens (1987), genus (p. 199) and species (pp. 199-200, figs. p. 185).

Dichranochirus Simon, 1909

Simon 1909: 43. *Dicranopalpus* group

M.; G. dikranon "pitchfork" + G. cheir "hand." Simon erred in transliterating G. kappa as *ch*, but the spelling must now be kept (ICZN Art. 32b, c).

Junior subjective synonym of *Dicranopalpus* Doleschal, 1852: by Staręga (1973b: 361-362).

Current synonyms: *Fagea*, *Egaenasser*.

TYPE by monotypy: *Dichranochirus ramosus* Simon, 1909 (Simon 1909: 43).

Type(s) from Morocco at MNHN; lectotype designated by Staręga (1973b: 362).

Redescription of species: Staręga (1973b: 362-364).

Dicranopalpus Doleschal, 1852

Doleschal 1852: 650. *Dicranopalpus* group

M.; G. dikranon "pitchfork" + L. palpus "palm of hand."

Current synonyms: *Dichranochirus*, *Egaenasser*, *Fagea*, *Liodes*, *Prosalpia*.

TYPE by monotypy: *Dicranopalpus gasteinensis* Doleschal, 1852 (Doleschal 1852: 650).

Type(s) from Austria (Salzburg), stated to be at NMW by Doleschal (1852: 638), but not there now (J. Gruber, *in litt.*).

Redescriptions of genus: Šilhavý (1956a: 185), Martens (1978: 365). Of species: Hadži (1931: 121-124), Šilhavý (1956a: 185-187, figs. 162-163), Martens (1978: 366-370).

Diguëtinus Roewer, 1912

Roewer 1912c: 271. *Metopilio* group

M.; collector L. Diguë + L. -inus, diminutive.

TYPE by original designation: *Diguëtinus raptator* Roewer, 1912 (Roewer 1912c: 272-273, pl. 1 fig. 25).

Type(s) from Mexico (Jalisco). Roewer (1912c: 273) cited 8 syntypes at MNHN and 1 at "Museum Brüssel." Roewer (1923: 863) mentioned a "cotype" (syntype) from the MNHN series at SMF, while Weidner (1959: 121) cited 2 or more syntypes "aus Coll. Roewer" at ZIZM!

Dilophiocara Redikorzev, 1931

Redikorzev 1931: 31. Leiobuninae

N.; G. dilophos "double-crested" + G. kara "head."

TYPE by original designation: *Dilophiocara bactriana* Redikorzev, 1931 (Redikorzev 1931: 31-32). Since the generic name ends in a neuter Greek root, the species name must be **emended (herein)** to *D. bactrianum* (ICZN Arts. 30a, 31b).

Type(s) from U.S.S.R. (Uzbekistan) probably at ZIL; of 8 syntypes, 1 is at SMF, RII/3336/165 (Roewer 1956: 252).

Echinobunus Roewer, 1912

Roewer 1912a: 72-73. Gagrellinae

M.; G. echinos "hedgehog" + G. bounos "mound."

TYPE by monotypy: *Echinobunus elegans* Roewer, 1912 (Roewer 1912a: 73-74).

Type(s) from Indonesia (Java) at SMF according to original description, but at RMNH according to Roewer (1955b: 137).

Egaenasser Roewer, 1953

Roewer 1953b: 204. *Dicranopalpus* group
M.; *Egaenus* + L. asser "stake, pole."

Junior objective synonym of *Fagea* Dresco, 1949 (which, however, is preoccupied) and **junior subjective synonym** of *Dicranopalpus* Doleschal, 1852: by Staręga (1973b: 365) and Rambla (1975a: 262).

Current synonym: *Fagea*.

TYPE by monotypy: *Egaenasser extraordinarius* Roewer, 1953 (Roewer 1953b: 204-206, fig. p. 203).

Junior subjective synonym of *Fagea bolivari* Dresco, 1949 (Dresco 1949: 41-42, figs. p. 40): by Staręga (1973b: 365) and Rambla (1975a: 262). *F. bolivari* is type of *Fagea*.

Type(s) of *E. extraordinarius* from Spain at SMF (RII/11097/331); of *F. bolivari* from Spain at MNHN (20224).

Redescriptions of species (as *Dicranopalpus bolivari*): Staręga (1973b: 365-367), Rambla (1975a: 262-266).

Egaenus C. Koch, 1839

C. Koch 1839a: 149-152. Opilioninae

M.; a "proper name" (C. Koch 1839b: 24), perhaps related to L. egenus "needy, destitute."

Egaenus and *E. tibialis* were first made available with a combined description (ICZN Art. 12b.6), for the priority of which (over C. Koch 1839b), see note under *Zachaeus*.

Current synonym: *Diabunus*.

TYPE by monotypy: *Egaenus tibialis* C. Koch, 1839 (C. Koch 1839a: 149-152, pl. 180 fig. 430 [plate legend: *Egenus trivialis*!]). Thorell (1876a: 463) designated *E. convexus* as type of *Egaenus*, as noted by Martens (1978: 305); however, Thorell did not state that *E. tibialis*, the only original species, was a synonym of *E. convexus*, so his designation is not valid (ICZN Art. 69a.v).

Junior subjective synonym of *Opilio convexus* C. Koch, 1835 (C. Koch 1835: plate 19 + two pp. text): by Kulczyński (1904: 81). Roewer (1911b: 15) and Šilhavý (1956a: 228) incorrectly dated *Egaenus* from the 1835 description of *O. convexus*.

Type(s) of *E. tibialis* from unknown locality at ZMB, no. 983 (Moritz 1971: 211); of *O. convexus* from Austria ("region of Vienna and Leibach"), restricted to Vienna by Staręga (1976a: 168), specimens presumed lost.

Redescriptions of genus: Staręga (1976a: 167), Martens (1978: 304-305). Of species: Šilhavý (1956a: 229-230, figs. pp. 234-235, 1965: figs. p. 394), Staręga (1976a: 168-170), Martens (1978: 305-308).

Embriki Roewer, 1910

Roewer 1910b: 177. Gagrellinae
F.; Prof. Dr. Embrik Strand.

Unjustified replacement (*nomen novum*) for

Geaya Roewer, 1910, q.v. Roewer wrongly supposed *Geaya* preoccupied by *Geayia* Thor, 1897 (Acari). *Geaya* Roewer might be thought preoccupied by *Geaya* Daday, 1905, listed by Neave (1939, 2: 449) as an unjustified emendation for *Geayia* Thor. However, *Geaya* Daday (1905: 272, 338) is actually a *lapsus calami*, not an emendation.

Junior objective synonym of *Geaya* Roewer, 1910: by Roewer (1923: 1064).

Emonia Hadži, 1973

Hadži 1973: 65-66, 110. Platybuninae

F.; L. Emona, Roman name of Ljubljana, Yugoslavia.

Junior objective synonym of *Lophopilio* Hadži, 1931: by Martens (1978: 297).

TYPE by monotypy: *Emonia labacensis* Hadži, 1973 (Hadži 1973: 66, figs. p. 65; 110 in German).

Junior subjective synonym of *Opilio palpalis* Herbst, 1799 (Herbst 1799: 6-7, 25, pl. 7 fig. 2): by Martens (1978: 298). *Opilio palpalis* is type of *Lophopilio*.

Type(s) of *E. labacensis* from Yugoslavia, presently at NMW, later will be deposited at PMS (T. Novak and J. Gruber, *in litt.*); of *O. palpalis* from Germany (Briesnitz, now an outlying district of Dresden), von Block coll., presumed lost.

Enantiobunus Mello-Leitão, 1931

Mello-Leitão 1931a: 92. Enantiobuninae

M.; G. enantios "opposite" + G. bounos "mound."

Junior subjective synonym of *Thrasychirus* Simon, 1884: implied by Ringuelet (1959: 216), stated by Cokendolpher (1985: 399-400).

TYPE by original designation: *Enantiobunus spinulosus* Mello-Leitão, 1931 (Mello-Leitão 1931a: 92-93).

Junior subjective synonym of *Thrasychirus gulosus* Simon, 1884 (Simon 1884: 143, pl. 3 figs. 22-23): by Ringuelet (1959: 216).

Type(s) of *E. spinulosus* from Argentina (Los Estados Isl.) at MACN (catalogue number 5306 in original description, 7159 by Galiano and Maury 1979: 322); of *T. gulosus* from Chile (Hoste Isl.) at MNHN.

Euceratobunus Roewer, 1923

Roewer 1923: 1052. Gagrellinae

M.; G. eu- "good" + *Ceratobunus*.

TYPE by monotypy: *Ceratobunus pulcher* With, 1903 (With 1903: 476-477).

Type(s) from India at ZSI.

Eudasylobus Roewer, 1911

Roewer 1911b: 53-54. Phalangiinae

M.; G. eu- "good" + *Dasylobus*.

Junior subjective synonym of *Dasylobus* Simon,

1878: by Chemini (1989: 95, 97).

Current synonym: *Euplatybunus*, *Parazacheus*.

TYPE by original designation: *Phalangium Gestroi* Thorell, 1876 (Thorell 1876a: 479-481).

Type(s) from Italy (Sardinia) at MSNG.

Redescription of genus: Martens (1978: 290-291); of species, Marcellino (1974: 194-197); figs, Chemini (1989: 96).

***Eugagrella* Roewer, 1910**

Roewer 1910a: 119. Gagrellinae

F.; G. eu- "good" + *Gagrella*.

TYPE by original designation: *Phalangium variegatum* Doleschall, 1859 (Doleschall 1859: 3-4, pl. 16 fig. 6).

Type(s) from Indonesia (Java) at NMW, according to Roewer (1923: 1024). However, the original description stated that it was based on a figure, as with *Hexomma vulcanicum* (q.v.).

Revision: Roewer (1954b: 282-291).

***Eumarthana* Roewer, 1910**

Roewer 1910a: 93-94. Gagrellinae

F.; G. eu- "good" + *Marthana*.

Junior subjective synonym of *Marthana* Thorell, 1891: by Banks (1930: 84). Synonymy ignored by Roewer (1955a: 89), but reaffirmed by Suzuki (1977a: 75-76).

Current synonyms: *Heteromarthana*, *Marthanella*, *Marthanessa*, *Marthanola*, *Metamarthana*, *Promarthana*.

TYPE by original designation: *Marthana vestita* With, 1905 (With 1905: 9-11, figs. p. 12).

Junior subjective synonym of *Marthana columnaris* Thorell, 1891 (Thorell 1891: 722-724): by Banks (1930: 84). Synonymy disclaimed: by Roewer (1955a: 87), but accepted herein.

Type(s) of *M. vestita* from Malaysia (Sarawak, Borneo) at MZTU; of *M. columnaris* from Borneo at NRS.

***Eumesosoma* Cokendolpher, 1980**

Cokendolpher 1980a: 1-2. Leiobuninae

N.; G. eu- "good" + *Mesosoma* (gender corrected by Cokendolpher 1981c).

Valid replacement (*nomen novum*) for *Mesosoma* Weed, 1892, preoccupied (q.v.).

Revision: Cokendolpher (1980a).

***Euphalangium* Roewer, 1911**

Roewer 1911b: 33. Opilioninae

N.; G. eu- "good" + *Phalangium*.

Junior subjective synonym of *Homolophus* Banks, 1893: by Cokendolpher (1987: 89-90).

TYPE by original designation: *Phalangium Nordenskiöldi* L. Koch, 1879 (L. Koch 1879b: 107-109), emended to *nordenskiöldi* by Staręga (1964: 392).

Junior objective synonym of *Opilio funestus* L.

Koch, 1877 (in Finsch 1877: 24): by L. Koch

(1879a: 481, 483). I have confirmed that *O.*

funestus is a *nomen nudum*, as implied by use of the junior name by Koch and subsequent authors.

Type(s) of *P. nordenskiöldi* from U.S.S.R.

(Siberia); 1 syntype at NMW (Arach. coll., no. 4256, J. Gruber, *in litt.*), other syntypes probably at NRS and BMNH. *Opilio funestus* probably based on same specimens.

Redescriptions of species: Staręga (1964: 392-397); Gritsenko (1979b: 129-130). Revision of east Asian species: Staręga (1964: 390-407); Šilhavý (1972).

***Euplatybunus* Roewer, 1912**

Roewer 1912c: 252. Phalangiinae

M.; G. eu- "good" + *Platybunus*.

Junior subjective synonym of *Eudasylobus*

Roewer, 1911: by Staręga (1984: 21-22);

consequently also **junior subjective synonym** of *Dasylobus* Simon, 1878 (Chemini 1989: 95, 97).

Current synonym: *Parazacheus*.

TYPE by original designation: *Euplatybunus insignitus* Roewer, 1912 (Roewer 1912c: 253, pl. 1 fig. 24, pl. 4 fig. 19; figs. labelled *E. punctatus*).

Type(s) from Algeria; Staręga (1984: 21 and *in litt.*) stated syntype series divided between ZIZM and SMF (RI/8/620); Weidner (1959: 122) miscalled the ZIZM specimens paratypes.

Redescription of species (sub *Eudasylobus insignitus*): Staręga (1984: 21-22).

***Eurybunus* Banks, 1893**

Banks 1893b: 209. Metopilio group

M.; G. eury- "wide" + G. bounos "mound."

TYPE by monotypy: *Eurybunus brunneus* Banks, 1893 (Banks 1893b: 209).

Type(s) from U.S.A. (California) at MCZ.

***Eusclera* Roewer, 1910**

Roewer 1910a: 189-190. Leiobuninae

F.; G. eu- "good" + G. sklêros "hard."

Current synonym: *Eusclerella*.

TYPE by original designation: *Eusclera aureomaculata* Roewer, 1910 (Roewer 1910a: 190, pl. 3 fig. 16).

Type(s) from China (Sichuan province) at MNHN.

***Eusclerella* Roewer, 1910**

Roewer 1910b: 177. Leiobuninae

F.; *Eusclera* + L. -ella, diminutive.

Unjustified replacement (*nomen novum*) for *Eusclera* Roewer, 1910, q.v. Roewer wrongly supposed *Eusclera* preoccupied by *Eusclerus* Sharp, 1886 (Coleoptera).

Junior objective synonym of *Eusclera* Roewer, 1910: by Roewer (1923: 882).

***Euzaleptus* Roewer, 1911**

Roewer 1911a: 179. *Gagrellinae*
M.; G. eu- "good" + *Zaleptus*.

TYPE by subsequent designation of Roewer (1955b: 152): *Zaleptus minutus* With, 1903 (With 1903: 481-482). Although only one species was included with the generic description, a second (without type designation) was described elsewhere in the same paper (pp. 182-183).

Type(s) from India at ZSI, but one of the 4 syntypes, mislabeled paratype, is at SMF, RI/3/125 (Roewer 1955b: 153).

Redescriptions: Martens (1987), p. 160 (genus) and pp. 160-163, fig. p. 175 (species).

***Fagea* Dresco, 1949**

Dresco 1949: 40-41. *Dicranopalpus* group
F.; arachnologist Louis Fage.

Junior homonym of *Fagea* Buen, 1940 (Pisces), first noted herein. *Fagea* Dresco needs no *nomen novum* because if considered valid, it would be replaced by junior objective synonym *Egaenasser* Roewer, 1953.

Junior subjective synonym of *Dicranopalpus* Doleschall, 1852: by Starega (1973b: 365) and Rambla (1975a: 262).

TYPE by original designation: *Fagea bolivari* Dresco, 1949 (Dresco 1949: 41-42, figs. p. 40).

Type(s) from Spain at MNHN (20224).

Redescriptions of species (as *Dicranopalpus bolivari*): Starega (1973b: 365-367), Rambla (1975a: 262-266).

***Fesa* Roewer, 1953**

Roewer 1953a: 255. *Gagrellinae*
F.; derivation unknown.

TYPE by original designation: *Fesa tricolor* Roewer, 1953 (Roewer 1953a: 255).

Type(s) from Jamaica at SMF (RII/3235/192).

***Forbesium* Weed, 1890**

Weed 1890: 915. *Leiobuninae*
N.; for Prof. S. A. Forbes.

Although currently listed as a synonym, *Forbesium* will probably have to be resurrected for part of the decidedly heterogeneous American "*Leiobunum*." Therefore, it is important to designate a type species, which has not heretofore been done. Of the two originally included species, *Phalangium formosum* Wood is selected here as being more likely to represent a distinct genus; the other, *Forbesium hyemale* Weed, 1890 (Weed 1890: 916, pl. 31) has been considered a subspecies of *Leiobunum ventricosum* (Wood), possibly a true *Leiobunum*, by Weed (1893a: 539), Davis (1934), and others.

Junior subjective synonym of *Leiobunum* C. Koch, 1839: implied by Weed (1893a: 538), first stated by Banks (1893b: 210).

TYPE by subsequent designation (herein):

Phalangium formosum Wood, 1868 (Wood 1868: 30).

Type(s) from U.S.A. (Pennsylvania and District of Columbia), presumed lost (Davis 1934: 663, 679).

Redescriptions of species: Davis (1934: 678-679, fig. 28 p. 703); Bishop (1949: 193-195, figs. p. 227).

***Gagrella* Stoliczka, 1869**

Stoliczka 1869: 212-213. *Gagrellinae*
F.; derivation unknown; perhaps related to G. gagatês "asphalt" + L. -ella, diminutive.

Stoliczka implied (p. 212) that *Gagrella* was intended to replace the preoccupied *Acanthonotus* C. Koch, 1839, but the name *Gagrella* was not proposed expressly as a *nomen novum* (ICZN Art. 67h), so relevant provisions do not apply.

Current synonym: *Crassicippus*.

TYPE by subsequent designation of Banks (1930: 58): *Gagrella signata* Stoliczka, 1869 (Stoliczka 1869: 214-215, pl. 20 fig. 10). Among the many authors who have discussed the type of *Gagrella*, Banks is the only one who made a valid designation of one of the originally included species. Thorell (1876b: 118-119) designated an ineligible species (not originally included), *Phalangium amboinense* Doleschall, 1857 (Doleschall 1857: 403-404). See the next entry for discussion of Roewer's concept of *Gagrella*. Martens (1987: 97) and Starega (1989: 7) stated in error that the type of *Gagrella* was never designated.

Type(s) of *G. signata* from India (Assam), depository unknown (ZSI or BMNH?).

"*Gagrella*" Roewer, 1910

Roewer 1910a: 44-45. *Gagrellinae*

Roewer's illogical treatment of the name *Gagrella* has created one of the great nomenclatural tangles of all time. First (1910a: 45), he designated as type an ineligible species, *Gagrella feae* Thorell, having without comment removed both of the originally included species to other genera! He later (1923: 952) defended this action as an expedient to retain the name *Gagrella* for the majority of the species that had been combined with it (by 1923, 43 of the 78 species included had been described by Roewer himself). Still later, Roewer (1954a: 187) abandoned the pretense that his genus was the *Gagrella* of Stoliczka, citing it as "*Gagrella* Thorell 1889 (Stoliczka 1869 emend.)," and noting that he followed Thorell's concept of the genus. If that was true, it is curious that Roewer did not also follow Thorell's designation of *Phalangium amboinense* Doleschall (see above) as type.

Roewer's actions have created a situation that does not seem to be covered by any article of the present ICZN: a generic taxon, using an available

name, but deliberately dissociated from every tie to the correct usage of that name. I suggest an analogy with ICZN Art. 70c, wherein an author who deliberately misapplies a type-species name is deemed to have established a new species of the same name; thus, *Gagrella* Roewer would be considered a separate nominal taxon from *Gagrella* Stoliczka, and therefore a **junior homonym** of the latter. The two Thorell names *Hexomma* and *Arthrocentrus*, placed by Roewer in synonymy with his *Gagrella*, are available to replace it; see below.

All authors, other than Strand (1928a, b) and Banks (1930), have followed Roewer's concept of *Gagrella*, and to date have combined over 175 species-group names with this non-genus. None of these belong to *Gagrella* Stoliczka (unless by coincidence), but I do not propose combining them with *Hexomma* Thorell, the senior synonym, at present, for few are well described and many probably belong in different genera, or are synonyms. For the same reason, a petition to the International Commission on Zoological Nomenclature to maintain Roewer's usage under their plenary powers would serve no purpose; the current nomenclature of the group is so unstable that no change could make it more so, and strict adherence to priority therefore seems most appropriate.

Junior subjective synonym of *Hexomma*
Thorell, 1876: by Strand (1928a: 57, 1928b: 43-44) and Banks (1930: 58). Also **junior subjective synonym** of *Arthrocentrus* Thorell, 1889, in reverse application of synonymy by Roewer (1910a: 44, 56).

TYPE by designation of Roewer (1910a: 45): *Gagrella feae* Thorell, 1889 (Thorell 1889: 648-651).

Type(s) from Burma; 5 syntypes ("paratypes") at ZIZM (Weidner 1959: 123), 4 at SMF, RI/1/516, and the rest assumed to be at RMS and MSNG (Roewer 1954a: 203).

Revision and catalogue of *Gagrella* Roewer: Roewer (1954a: 187-235); revision of Nepal spp.: Martens 1987: 97-112.

***Gagrellenna* Roewer, 1929**
Roewer 1929a: 144. Gagrellinae
F.; *Gagrella* + diminutive suffix.

TYPE by monotypy: *Gagrellenna bipunctata* Roewer, 1929 (Roewer 1929a: 144-145).

Type(s) from India at ZSI (1060/18). The "paratypes" at SMF cited by Roewer (1955a: 71) are not types; Roewer (1929a: 145) excluded them from the type series, as per ICZN Art. 72b.vi.

***Gagrellina* Roewer, 1913**
Roewer 1913: 82. Gagrellinae
F.; *Gagrella* + L. -ina "like."
TYPE by monotypy: *Gagrellina vestita* Roewer,

1913 (Roewer 1913: 82-83).

Type(s) from Indonesia (Celebes) at NMB (15a); lectotype designated by Forcart (1961: 52).

***Gagrellissa* Roewer, 1931**
Roewer 1931: 542. Gagrellinae
F.; *Gagrella* + L. -issa, superlative suffix.
TYPE by monotypy: *Gagrellissa jacobsoni* Roewer, 1931 (Roewer 1931: 542-543).
Type(s) from Indonesia (Sumatra) at SMF (RII/392/33).

***Gagrellopsis* Sato and Suzuki, 1939**
Sato and Suzuki 1939: 89-90. Gagrellinae
F.; *Gagrella* + G. opsis (F.) "appearance."
TYPE by original designation: *Gagrellopsis nodulifera* Sato and Suzuki, 1939 (Sato and Suzuki 1939: 90-94).

Type(s) from Japan at ZLHU (523), presumed lost.

***Gagrellula* Roewer, 1910**
Roewer 1910a: 110. Gagrellinae
F.; *Gagrella* + L. -ula, diminutive suffix.
TYPE by original designation: *Gagrella albitarsis* Simon, 1899 (Simon 1899: 123).
Type(s) from Indonesia (Sumatra) at MNHN; 1 syntype, miscalled paratype, at SMF, RI/2/545 (Roewer 1954b: 261).

Revisions: Roewer (1954b: 250-270); Suzuki (1955: 158-168, 1973: 255-257), Japanese species.

***Garleppa* Roewer, 1912**
Roewer 1912b: 56. Gagrellinae
F.; surname of collector, Garlepp.
Suggested junior synonym of *Holcobunus* Roewer, 1910: by Ringuet (1954: 289).
TYPE by monotypy: *Garleppa granulata* Roewer, 1912 (Roewer 1912b: 56-57).
Type(s) from Bolivia at SMF (RI/4/571).

***Geaya* Roewer, 1910**
Roewer 1910a: 158. Gagrellinae
F.; collector F. Geay.
Current synonym: *Embrikia*.
TYPE by original designation: *Geaya nigromaculata* Roewer, 1910 (Roewer 1910a: 158-159, pl. 2 fig. 24).

Type(s) from Brasil (Ampa state, upper Rio Calçoene), cited by Roewer under old name Carsevenne, at MNHN. The original description mentioned only the holotype, so the "paratype" at SMF mentioned by Roewer (1953a: 197) is probably spurious.

***Glabrurus* Goodnight and Goodnight, 1942**
G. and G. 1942b: 13. Leiobuninae
M.; L. glaber "smooth" + G. oura "tail" or ouros

"watcher."

Junior subjective synonym of *Paranelima* Caporiacco, 1938: implied by Goodnight and Goodnight (1942c: 11), who transferred the type species to *Paranelima* but did not mention synonymy of the genus; **first formally stated herein**.

TYPE by original designation: *Glabrurus lutzi* Goodnight and Goodnight, 1942 (Goodnight and Goodnight 1942b: 13-14, fig. p. 7).

Type(s) from Mexico (México state) at AMNH.

Globipes Banks, 1893

Banks 1893b: 208. *Metopilio* group

M.; L. globus "ball" + L. pes "foot."

TYPE by monotypy: *Globipes spinulatus* Banks, 1893 (Banks 1893b: 208-209).

Type(s) from U.S.A. (California) at MCZ and 1 syntype, RI/7/622, at SMF (Roewer 1956: 262).

Globulosoma Martens, 1987

Martens 1987: 184. *Gagrellinae*

N.; L. globulus "little ball" + G. soma (N.) "body."

TYPE by original designation: *Globulosoma gandakense* Martens, 1987 (Martens 1987: 187-188, figs. pp. 185-186).

Type(s) from Nepal at SMF (33710).

Full account of genus: Martens (1987: 184-188).

Graecophalangium Roewer, 1923

Roewer 1923: 755. *Phalangiinae*

N.; L. Graecus "greek" + *Phalangium*.

It is curious that a type species has never been designated for this comparatively well-known genus. My choice of *G. atticum* is dictated by the availability of type specimens (ICZN Rec. 69A) and several criteria from ICZN Rec. 69B (2, 8, 9, and 11).

TYPE by subsequent designation (herein):

Graecophalangium atticum Roewer, 1923 (Roewer 1923: 755-756).

Type(s) from Greece at SMF (RII/497/22).

Redescription of genus: Martens (1967: 352-355).

Granulosoma Martens, 1973

Martens 1973: 214. *Sclerosomatinae*

N.; L. granulus "little grain" + G. soma (N.) "body."

TYPE by original designation: *Granulosoma umidulum* Martens, 1973 (Martens 1973: 214-216).

Type(s) from Nepal at SMF (28271-28272).

Guaranobunus Ringuelet, 1953

Ringuelet 1953b: 257-258. *Gagrellinae*

M.; Spanish Guaraní (an Indian tribe) + G. bounos "mound."

TYPE by original designation: *Guaranobunus guaraniticus* Ringuelet, 1953 (Ringuelet 1953b:

258-259).

Type(s) from Argentina at MLP (24294).

Redescription: Ringuelet (1959), genus (p. 221) and species (pp. 221-223).

Guruia Loman, 1902

Loman 1902: 172.

Phalangiinae

F.; locality Gurui.

TYPE by subsequent designation of Roewer (1911b: 83): *Guruia frigescens* Loman, 1902 (Loman 1902: 172-173, pl. 9 fig. 1).

Junior subjective synonym of *Zacheus africanus* Karsch, 1878 (Karsch 1878: 333-335, pl. 2 fig. 5): by Starega (1984: 23, 29).

Type(s) of *G. frigescens* from Tanzania at ZMB (12521); of *Z. africanus* from Mozambique at ZMB (2864).

Redescriptions: Starega (1984), of genus (pp. 22-23) and species (pp. 23-29).

Gyas Simon, 1879

Simon 1879b: 233-234.

Gyinae

M.; L. Gyas or G. Gyês, in mythology a hundred-armed giant, offspring of Uranus and Gea.

TYPE by original designation: *Phalangium annulatum* Olivier, 1792 (Olivier 1792: 459).

Type(s) from Switzerland, presumed lost.

Redescriptions of genus: Dresco (1954: 85-86), Šilhavý (1956a: 180), Starega (1976a: 107), Martens (1978: 356-357). Of species: Dresco (1954: 87-90), Dumitrescu (1970: 81-84, 86), Starega (1976a: 107-110), Martens (1978: 361-365, figs. p. 358).

Gyoides Martens, 1982

Martens 1982: 332-333.

Gyinae

M.; *Gyas* + G. -oides "like."

TYPE by original designation: *Gyoides maximus* Martens, 1982 (Martens 1982: 334-337).

Type(s) from Nepal at SMF (30558).

Full account of genus: Martens (1982: 332-347).

Hadrobunus Banks, 1900

Banks 1900: 199.

Leiobuninae

M.; G. hadros "thick" + G. bounos "mound."

TYPE by original designation: *Phalangium grandis* Say, 1821 (Say 1821: 67-68), should have been spelled *Phalangium grande*.

Type(s) from U.S.A. ("southern states") destroyed by fire (Davis 1934: 662).

Redescription of genus: Bishop (1949: 169, 214-216).

Hamitergum Crawford, 1992, *nom. nov.*

Herein.

Gagrellinae

N.; L. hamus "hook" + L. tergum "back."

New replacement (*nomen novum*) for *Lophacanthus* Redikorzev, 1936, preoccupied (q.v.).

***Harmanda* Roewer, 1910**Roewer 1910a: 151. Gagrellinae

F.; collector M. Harmand.

Current synonyms: *Harmandella*, *Ischnobunus*.**TYPE** by original designation: *Harmanda instructa* Roewer, 1910 (Roewer 1910a: 152, pl. 3 fig. 14).

Type(s) from India at MNHN (3030).

Revision (Nepal): Martens (1987: 115-144), with redescriptions of genus (p. 115) and species (pp. 116-125, including 4 subspecies).

Harmandella* Roewer, 1910**Roewer 1910b: 177. GagrellinaeF.; *Harmanda* + L. -ella, diminutive.**Unjustified replacement** (*nomen novum*) for *Harmanda* Roewer, 1910, q.v. Roewer wrongly believed *Harmanda* preoccupied by *Harmandia* Rochebrune, 1882 (Mollusca).**Junior objective synonym** of *Harmanda* Roewer, 1910: by Roewer (1923: 1057).Current synonym: *Ischnobunus*.Harmandina* Schenkel, 1954**Schenkel 1954: 93. GagrellinaeF.; *Harmanda* + L. -ina "like."**TYPE** by monotypy: *Harmandina sinensis* Schenkel, 1954 (Schenkel 1954: 93-94).

Type(s) from China (Gansu province), presumably at "Museum Hoangho-Peiho," Tianjin, Hebei province, China.

***Hehoa* Roewer, 1929**Roewer 1929a: 111. Gagrellinae

F.; locality Heho River.

TYPE by monotypy: *Hehoa bunigera* Roewer, 1929 (Roewer 1929a: 111-112).

Type(s) from India. Roewer (1929a: 112) cited only the 2 syntypes at ZSI (1033/18), but Roewer (1955a: 121) listed both these and 3 "paratypes" at SMF, RII/762/43. One of these records must be spurious.

***Heterogagrella* Roewer, 1954**Roewer 1954b: 281-282. GagrellinaeF.; G. heteros "other" + *Gagrella*.**TYPE** by original designation: *Heterogagrella indica* Roewer, 1954 (Roewer 1954b: 282).

Type(s) from India at SMF (RII/8213/518).

***Heteromarthana* Müller, 1916**Müller 1916: 46. GagrellinaeF.; G. heteros "other" + *Marthana*.**Junior subjective synonym** of *Marthana* Thorell, 1891: by Roewer (1955a: 86-87).Current synonyms: *Marthanessa*, *Marthanola*, *Promarthana*.**TYPE** by monotypy: *Heteromarthana nigerrima* Müller, 1916 (Müller 1916: 47-48).

Type(s) from Palau Isls. (Pacific Ocean) in Müller coll., destroyed by war (Roewer 1955a: 96).

***Hexazaleptus* Suzuki, 1966**Suzuki 1966b: 120. GagrellinaeM.; G. hex "six" + *Zaleptus*.**TYPE** by original designation: *Hexazaleptus junbesi* Suzuki, 1966 (Suzuki 1966b: 120-122, figs. p. 124).

Type(s) from Nepal at ZLHU.

***Hexomma* Thorell, 1876**Thorell 1876b: 114, 118 note. Gagrellinae

N.; G. hex "six" + G. omma (N.) "eye."

Junior subjective synonym of *Gagrella* Stoliczka, 1869: by Thorell (1894: 17-19). Synonymy disclaimed: by Strand (1928a: 57, 1928b: 43-44) and Banks (1930: 58). Synonymy reaffirmed: by Roewer (1954a: 214), who argued that the type species of *Hexomma* was unidentifiable. *Hexomma* does not belong to *Gagrella* Stoliczka as correctly applied, but is the oldest available synonym of *Gagrella* Roewer, 1910, as previously noted by Strand (1928a, b) and Banks (1930); see discussion above under *Gagrella*. Thus, once again: **synonymy disclaimed (herein)**. In view of its importance as senior synonym of a large but invalid genus, it is necessary to firmly fix the identity of *Hexomma*. If necessary, a neotype should be designated for *Hexomma vulcanicum*. A good candidate for neotype designation, if it still exists, would be the specimen cited by Thorell (1894: 19), probably at NRS.Current synonyms: *Arthrocentrus*, *Gagrella* Roewer, 1910 (not Stoliczka, 1869).**TYPE** by monotypy: *Phalangium vulcanicum* Doleschall, 1859 (Doleschall 1859: 4, pl. 16 fig. 2). Roewer (1910a: 73) and all subsequent authors have cited the wrong reference, Doleschall (1857), for this species.Type(s) from Indonesia (Java), presumed lost. Roewer (1954a: 214), reported seeing specimens from NMW, but none can be found there now (J. Gruber, *in litt.*). Doleschall stated that his description was based on figures purchased from "a member of the former Natuurkundige Commissie."

Redescription of species: Thorell (1894: 17-19).

***Himaldroma* Martens, 1987**Martens 1987: 168-169. Gagrellinae

F.; Himalaya + G. dromas "running." Since the Greek masculine ending has been changed to the Latin feminine ending -a, the name is feminine (ICZN Art. 30a.iii), even though Martens treated the name as masculine.

TYPE by original designation: *Himaldroma altus* Martens, 1987 (Martens 1987: 169-171, fig. p. 185). The name is **hereby emended** to *H. alta* as per

ICZN Art. 32d.ii.

Type(s) from Nepal at SMF (33688).

Full account of genus: Martens (1987: 168-172).

***Himalphalangium* Martens, 1973**

Martens 1973: 186. Opilioninae

N.; Himalaya + *Phalangium*.

TYPE by original designation: *Opilio palpalis*

Roewer, 1956 (Roewer 1956: 293-294, figs. p. 299).

Type(s) from Tibet at SMF (RII/2156/99).

Full account of genus: Martens (1973: 186-204, 183, 207) with redescription of type species (pp. 186-195, fig. p. 183).

***Himalzaleptus* Martens, 1987**

Martens 1987: 177. Gagrellinae

M.; Himalaya + *Zaleptus*.

TYPE by original designation: *Himalzaleptus*

quinqueconicus Martens, 1987 (Martens 1987: 177-179, fig. p. 185).

Type(s) from Nepal at SMF (33696).

***Hindreus* Kauri, 1985**

Kauri 1985: 95-96. Phalangiinae

M.; for Estonian author Karl August Hindrey (H. Kauri, *in litt.*).

TYPE by original designation: *Cheops leleupi*

Roewer, 1961 (Roewer 1961: 8).

Staręga (1984: 50), based on Roewer's description, suggested synonymy of this species under *Odontobunus africanus* Roewer. However, as Kauri (1985: 96-97) noted, Roewer's description bears little resemblance to the holotype.

Type(s) from Zaire (Kivu province) at MRAC (115235).

Revision: Kauri (1985: 95-100, 163-166), with redescription of type species (pp. 96-98, figs. pp. 163-164).

***Holcobunus* Roewer, 1910**

Roewer 1910a: 162. Gagrellinae

M.; G. holkos "attractive" + G. bounos "mound."

TYPE by original designation: *Holcobunus*

nigripalpis Roewer, 1910 (Roewer 1910a: 163-164, pl. 3 fig. 12, pl. 4 figs. 4-5).

Type(s) from southern Brasil; 5 syntypes at ZIZM (Weidner 1959: 125) and 1, mislabeled paratype, at SMF, RI/4/569 (Roewer 1953a: 245).

Revision and catalogue: Roewer (1953a: 243-250). Redescription of genus: Ringuet (1959: 223-224).

***Holmbergiana* Mello-Leitão, 1931**

Mello-Leitão 1931a: 93. Gagrellinae

F.; arachnologist Eduardo Holmberg + "i" + L. - ana "belonging to."

Current synonym: *Simplicibunus*.

TYPE by original designation: *Opilio*

weyenberghii Holmberg, 1876 (Holmberg 1876: page uncertain, cited as 1-30, 88, or 198!). The specific name was spelled *weyenberghi* by Roewer (1923), *weyemberghii* by Mello-Leitão (1931a) and Roewer (1953a), *Weyenberghii* by Ringuet (1954, 1959), and *weyenberghii* by Capocasale (1967). I have not traced the original description.

Type(s) from Argentina, depository unknown.

Redescriptions of genus: Ringuet (1954: 292-293, 1959: 228-229). Of species: Ringuet (1959: 231-234), Capocasale (1967: 25-27). Checklist and penis illustrations: Capocasale (1981: 2, pl. 2).

***Hologagrella* Roewer, 1910**

Roewer 1910a: 126. Gagrellinae

F.; G. holos "whole" + *Gagrella*.

TYPE by original designation: *Hologagrella reticulata* Roewer, 1910 (Roewer 1910a: 126-127, pl. 1 fig. 45, pl. 3 fig. 1, pl. 4 figs. 23-25).

Type(s) from "Malakka" (probably Malaysia) at SMF (RI/2/71).

Redescription of species: Suzuki (1972: 18-20).

***Homalenotus* C. Koch, 1839**

C. Koch 1839b: 23. Sclerosomatinae

M.; G. homalês (alternate spelling of homalôs) "level" + G. nôtos "back."

Current synonyms: *Homalonotus*, *Parasclerosoma*, *Sclerosoma*.

TYPE by subsequent designation of Thorell (1876a: 466 note): *Phalangium 4 dentatum* Cuvier, 1795 (Cuvier 1795: 206-207, pl. 2 fig. 4). The species name is now spelled *quadridentatum* (*quadridentatus*) in accordance with ICZN Art. 31d.ii. Thorell's designation, which applied to the replacement name *Sclerosoma* Lucas, is valid for *Homalenotus* under ICZN Art. 67h. Simon (1879b: 159) wrongly called *Homalenotus monoceros* C. Koch (C. Koch 1839b: 23) the type of *Homalenotus*, but *P. quadridentatum* the type of *Sclerosoma*! Roewer (1912c: 13-14) wrongly treated *H. monoceros* as type of both *Homalenotus* and *Sclerosoma*; Šilhavý (1956a: 161-162) treated *H. monoceros* as type of *Homalenotus* and a valid species, but *H. monoceros* was made a synonym of *H. quadridentatus* by Thorell (1876a: 466).

Type(s), presumed lost, from "under stones in a dry place," no locality stated (Cuvier 1795: 207); cited from France, "Paris, Bordeaux et Brives," by Lucas (1858: 491).

Redescriptions of genus: Grasshoff (1959: 283-284); Spoek (1963: 60), Martens (1978: 377-378). Of species: Spoek (1963: 60-62, figs. p. 20); Martens (1978: 378-380); Hillyard and Sankey (1990: 56-57).

***Homalonotus* Agassiz, 1846**

Agassiz 1846: 184. Leiobuninae

M.; G. homalôs "level" + G. nôtos "back."

Unjustified emendation for *Homalenotus* C.

Koch, 1839, q.v.

Junior objective synonym of *Homalenotus* C.

Koch, 1839: **new synonym (herein)**, by ICZN Art. 33b.iii. Lucas (1858) adopted the Agassiz emendation, but most others have used the correct original spelling. See *Sclerosoma*.

***Homolophus* Banks, 1893**

Banks 1893b: 208. Opilioninae

M.; G. homos "same" + G. lophos "crest."

For many years incorrectly placed in

Leptobuninae, *Homolophus* was transferred to Leiobuninae by Cokendolpher (1985: 399), then to Phalangiinae by Cokendolpher (1987: 89). Under the classification adopted here, the genus belongs in Opilioninae with its synonym.

Current synonym: *Euphalangium*.

TYPE by monotypy: *Homolophus arcticus*

Banks, 1893 (Banks 1893b: 208).

Type(s) from U.S.S.R. (Komandorskiye Ostrova) at USNM.

Redescription of species: Tsurusaki (1987: 97-103). Catalogue of genus: Cokendolpher (1987: 90-93). Genus not yet formally redescribed.

***Hoplites* L. Koch, 1869**

L. Koch 1869: 155. Sclerosomatinae

M.; G. hoplîtēs "heavily armed."

Suppressed under the plenary powers by the International Commission on Zoological Nomenclature (1955: 49-50), for both priority and homonymy; placed on the Official Index of Rejected and Invalid Generic Names in Zoology, No. 293. Previously declared a junior homonym (there are at least 8 prior uses; see ICZN 1955); replaced by *Astrobus* Thorell, 1876 (q.v.), *nomen novum*.

TYPE by subsequent designation of Thorell (1876a: 466): *Hoplites argentatus* L. Koch, 1869 (L. Koch 1869: 155-156).

Junior subjective synonym of *Acantholophus helleri* Ausserer, 1867 (Ausserer 1867: 167): by Kulczyński (1904: 79-80). The International Commission on Zoological Nomenclature (1955: 51) placed *A. helleri* on the Official List of Specific Names in Zoology, No. 492.

Type(s) of *H. argentatus* from northern Italy (Merano) at NMW (Arach. coll., no. 3435; J. Gruber, *in litt.*); of *A. helleri* from Austria (Tirolia), discovered by Thaler (1988: 117-119) at the Tiroler Landesmuseum Ferdinandeum, Innsbruck; later will be deposited at NMW.

Redescriptions: see *Astrobus*.

***Hypogrella* Roewer, 1955**

Roewer 1955a: 114. Gagrellinae

F.; G. hypo "under" + *Gagrella*.

TYPE by original designation: *Hypogrella*

poecilis Roewer, 1955 (Roewer 1955a: 114, fig. p. 117).

Type(s) from Papua New Guinea (Madang, under old name Friedrich-Wilhelm-Hafen) at SMF (RII/10247/595).

***Hypsibunus* Thorell, 1891**

Thorell 1891: 679. Gagrellinae

M.; G. hypsi "high" + G. bounos "mound."

Junior subjective synonym of *Zaleptus* Thorell, 1876: by With (1905: 3). Synonymy ignored by Roewer (1910a: 148 and subsequently).

Current synonym: *Kempina*.

TYPE by original designation: *Hypsibunus diadematus* Thorell, 1891 (Thorell, 1891: 679-682). Roewer (1910a: 148) designated as type an ineligible species, *Hypsibunus scaber* Roewer, 1910 (Roewer 1910a: 149, pl. 3 fig. 15), stating in defense of this action that *H. diadematus* Thorell probably belongs in another genus!

Type(s) probably from Indonesia at NRS.

***Ischnobunus* Roewer, 1955**

Roewer 1955b: 157. Gagrellinae

M.; G. ischnos "withered" + G. bounos "mound."

Junior subjective synonym of *Harmanda* Roewer, 1910: by Martens (1987: 115).

TYPE by original designation: *Ischnobunus elegantulus* Roewer, 1955 (Roewer 1955b: 157, fig. p. 161).

Type(s) from India at SMF (RII/3232/311).

***Jussara* Mello-Leitão, 1935**

Mello-Leitão 1935: 370-371. Gagrellinae

F.; locality Jussara.

TYPE by original designation: *Jussara obesa* Mello-Leitão, 1935 (Mello-Leitão 1935: 371-372).

Type(s) from Brasil (Rio de Janeiro state) at MNRJ (42426).

***Kanchia* Martens, 1987**

Martens 1987: 181-183. Gagrellinae

F.; for Mt. Kanchenjunga, at the foot of which is the type locality.

Junior homonym of *Kanchia* Moore, 1883 (Lepidoptera), first noted by me in preparatory work for this catalogue; replaced by *Nepalkanchia* Martens, 1990 (q.v.), *nomen novum*.

TYPE by original designation: *Kanchia pluviosilvestris* Martens, 1987 (Martens 1987: 183, figs. pp. 182, 185).

Type(s) from Nepal at SMF (33704).

Full account of genus: Martens (1987: 181-185).

***Kempina* Roewer, 1911**

Roewer 1911a: 177. Gagrellinae

F.; Kemp, surname of collector.

Junior subjective synonym of *Hypsibunus*

Thorell, 1891: by Roewer (1955b: 144, 146).

TYPE by monotypy: *Kempina bicornigera* Roewer, 1911 (Roewer 1911a: 177-179).

Type(s) from India/Bhutan border at ZSI. Roewer (1911a: 179) cited only 2 syntypes; Roewer (1955b: 146) cited "several" at ZSI and 3 ("paratypes") at SMF, RI/3/109. Clearly, neither citation is accurate, and one must be spurious.

Koyamaia Suzuki, 1972

Suzuki 1972: 26. Gagrellinae

F.; collector, N. Koyama.

TYPE by original designation: *Koyamaia curvipes* Suzuki, 1972 (Suzuki 1972: 26-29).

Type(s) from Malaysia at ZLHU.

Krusa Goodnight and Goodnight, 1947

G. and G. 1947: 55. Gagrellinae

F.; apparently from Vera Cruz (Mexican state).

Current synonym: *Krusella*.

TYPE by original designation: *Krusa mexicana* Goodnight and Goodnight, 1947 (Goodnight and Goodnight 1947: 55-56).

Type(s) from Mexico (Vera Cruz) at FMNH.

Krusella Roewer, 1953

Roewer 1953a: 184. Gagrellinae

F.; *Krusa* + L. -ella, diminutive.

Junior subjective synonym of *Krusa* Goodnight and Goodnight, 1947: by Ringuelet (1954: 293-294).

TYPE by original designation: *Krusella pilipes* Roewer, 1953 (Roewer 1953a: 184-185).

Type(s) from Venezuela at SMF (RII/9836/587).

Lacinius Thorell, 1876

Thorell 1876a: 464. Oligolophinae

M.; L. Lacinius "from Lacinium," a Roman place name in the toe of Italy.

Current synonym: *Acantholophus*.

TYPE by original designation: *Phalangium horridum* Panzer, 1794 (Panzer 1794: pl. 21 + one p. text).

Type(s) from Germany (Dresden), von Block collection, presumed lost.

Revision (Italy): Marcellino (1975: 149-168). Redescriptions of genus: Spöck (1963: 41); Starega (1976a: 129); Martens (1978: 322). Of species: Šilhavý (1956a: 201-204, figs. p. 199); Spöck (1963: 46-47, figs. pp. 42, 45); Dumitrescu (1970: 85, 87); Starega (1976a: 129-133); Martens (1978: 323-326).

Lanthanopilio Cokendolpher and

Cokendolpher, 1984

C. and C. 1984: 168-169. Dicranopalpus group
M.; G. lanthanō "to escape notice" + *Opilio*.

See "Family Classification," p. 4, for discussion of placement.

TYPE by original designation: *Opilio chickeringi* Roewer, 1956 (Roewer 1956: 285, fig. p. 291).

Type(s) from Costa Rica at SMF (RII/3707/178).

Redescription of species: Cokendolpher and Cokendolpher (1984: 169-171).

Leiobunum C. Koch, 1839

C. Koch 1839b: 35-36. Leiobuninae

N.; G. leios "smooth" + G. bounos "mound."

Current synonyms: *Forbesium*, *Leiobunus*, *Liobunum*, *Metalibunum*, *Pseudolibunum*.

TYPE by subsequent designation of Simon (1879b: 172): *Phalangium rotundum* Latreille, 1798 (Latreille 1798: 115). Thorell (1876a: 465) designated *Opilio fasciatus* Herbst, 1798 (Herbst 1798: 23-24, pl. 4 figs. 1-2) as type of *Leiobunum*, as noted by Martens (1978: 394); however, Thorell did not state synonymy of *O. fasciatus* with one of Koch's three original species, so his designation is not valid (ICZN Art. 69a.v).

Junior subjective synonym of *Opilio hemisphaericus* Herbst, 1799 (Herbst 1799: 11-13, 27-28, pl. 9 fig. 2): by Menge (1850: 49-50). Synonymy, though valid, is senior, not junior; Menge was unaware that Latreille's species was first described in 1798, not 1802.

Type(s) of *P. rotundum* presumed lost. Locality not stated by Latreille (1798), but Latreille (1802a: 379) cited France, "la forêt de Saint-Germain-en-Laye." Type(s) of *Opilio hemisphaericus* from Germany (Dresden), von Block collection, presumed lost.

Revisions: Davis (1934, U.S.A.); Bishop (1949, New York); Suzuki (1976, Japan); McGhee (1977, U.S.A.); Martens (1978: 393-416, central Europe). Redescriptions of genus: Spöck (1963: 62); Starega (1976a: 96-97); Martens (1978: 393-394). Of species: Šilhavý (1956a: 168-172); Spöck (1963: 62-65); Marcellino (1972: 617-619); Starega (1976a: 97-100); Martens (1978: 402-406); Hillyard and Sankey (1990: 94-95).

Leiobunus Meade, 1855

Meade 1855: 411. Leiobuninae

M.; G. leios "smooth" + G. bounos "mound."

Unjustified emendation for *Leiobunum* C. Koch, 1839, q.v.

Junior objective synonym of *Leiobunum* C. Koch, 1839: by Roewer (1923: 883). The synonymy is objective through ICZN Art. 33b.iii, though Roewer did not discuss this and in fact preferred the equally invalid emendation *Liobunum*.

Leptobunus Banks, 1893

Banks 1893b: 209. Phalangiinae

M.; G. leptos "small" + G. bounos "mound."

Suggested junior synonym of *Thrasychirus* Simon, 1884: by Simon (1902: 45). This has

escaped the notice of subsequent authors, but is clearly incorrect in light of present knowledge.

Current synonym: *Liomitopus*.

TYPE by original designation: *Leptobunus californicus* Banks, 1893 (Banks 1893b: 210).

Type(s) from U.S.A. (California) at MCZ; type locality restricted to Yosemite, California, by Cokendolpher (1985: 377-379).

Revision: Cokendolpher (1985: 374-395), with redescrptions of genus (pp. 374-375) and species (pp. 377-381, figs. pp. 376, 383, 388, 393).

Leuronychus Banks, 1900

Banks 1900: 199. Leiobuninae

M.; G. leuros "smooth" + G. onyx (genitive, onychos) "claw."

Transferred from Leptobuninae to Leiobuninae by Cokendolpher (1985: 398).

Current synonym: *Microgyas*.

TYPE by original designation: *Liobunum pacificum* Banks, 1894 (Banks 1894: 162).

Type(s) from U.S.A. (Washington) at MCZ; 2 syntypes ("cotypes") at SMF, RI/5/34 (Roewer 1923: 879, 1957: 356).

Liobunum Agassiz, 1846

Agassiz 1846: 203, 212. Leiobuninae

N.; G. leios "smooth" + G. bounos "mound."

Unjustified emendation for *Leiobunum* C. Koch, 1839, q.v.

Junior objective synonym of *Leiobunum*

C. Koch, 1839: by Spoek (1963: 62), as per ICZN Art. 33b.iii. The correct spelling was previously adopted by such authors as Davis (1934) and Bishop (1949), but without mentioning the emendation.

Liodes L. Koch, 1869

L. Koch 1869: 203. *Dicranopalpus* group

M.; G. leiôtês "smoothness" + G. -odês "like"; an alternative is G. liôdês "stoned."

Junior homonym of *Liodes* Heyden, 1826 (Acari) and two others; replaced by *Prosalpia* L. Koch, 1872 (q.v.), *nomen novum*.

Junior objective synonym of *Dicranopalpus* Doleschal, 1852: by Simon (1881: 88).

TYPE by monotypy: *Leiobunum bibrachiatum* L. Koch, 1869 (L. Koch 1869: 151-153, 202-204).

Junior subjective synonym of *Dicranopalpus gasteinensis* Doleschal, 1852 (Doleschal 1852: 650): by Simon (1881: 88). *Dicranopalpus gasteinensis* is type of *Dicranopalpus*.

Type(s) of *L. bibrachiatum* from Austria (Stubai Alps, Tirolia, and Pfandler Scharte, Salzburg), probably at BMNH (specimens at NMW are not types according to J. Gruber, *in litt.*); of *D. gasteinensis* from Austria (Salzburg) deposited at NMW but not now locatable (J. Gruber, *in litt.*).

Liomitopus Schenkel, 1951

Schenkel 1951: 49. Phalangiinae

M.; G. leios "smooth" + *Mitopus*.

Placed in Phalangiinae by Cokendolpher (1985).

Junior objective synonym of *Leptobunus* Banks, 1893: by Cokendolpher (1980b: 133-134).

TYPE by monotypy: *Liomitopus laevis* Schenkel, 1951 (Schenkel 1951: 49-51).

Junior subjective synonym of *Leptobunus californicus* Banks, 1893 (Banks 1893b: 210): by Cokendolpher (1980b: 133-134). *Leptobunus californicus* is type of *Leptobunus*.

Type(s) from U.S.A. (California), of *Liomitopus laevis* at NMB (81a; lectotype designated by Forcart 1961: 53), and of *Leptobunus californicus* at MCZ.

Liopagus Chamberlin, 1916

Chamberlin 1916: 194. Gaggrellinae

M.; G. leios "smooth" + G. pagos "peak."

TYPE by original designation: *Liopagus simplex* Chamberlin, 1916 (Chamberlin 1916: 195, pl. 5 figs. 4-8).

Type(s) from Peru at MCZ (138).

Liopilio Schenkel, 1951

Schenkel 1951: 51. Phalangiinae

M.; G. leios "smooth" + *Opilio*.

Placed in Phalangiinae by Cokendolpher (1981b: 309).

TYPE by monotypy: *Liopilio glaber* Schenkel, 1951 (Schenkel 1951: 51-53).

Type(s) from Canada (Alberta) at NMB (91a; lectotype designated by Forcart 1961: 53).

Revision: Cokendolpher (1981b), with redescrptions of genus (pp. 310-311) and species (pp. 311-313, figs. p. 310).

Liropilio Gritsenko, 1979

Gritsenko 1979a: 264. Phalangiinae

M.; G. liros "bold, shameless" + *Opilio*.

TYPE by original designation: *Liropilio przhivalskii* Gritsenko, 1979 (Gritsenko 1979a: 264-266).

Type(s) from U.S.S.R. (Tien-Shan Mts.) at ZIL.

Lophacanthus Redikorzev, 1936

Redikorzev 1936: 46. Gaggrellinae

M.; G. lophos "crest" + G. akantha "thorn."

Junior homonym of †*Lophacanthus* Stock, 1880 (Pisces) and one other, first noted herein; replaced by *Hamitergum* Crawford, 1992 (q.v.), *nomen novum*.

TYPE by original designation: *Lophacanthus eobius* Redikorzev, 1936 (Redikorzev 1936: 46-47).

Type(s) from U.S.S.R. (Amur region) probably at ZIL (see note by Roewer 1955a: 121).

Redescrptions of species: Staręga (1965: 11-12); Gritsenko (1979b: 126).

Lophopilio Hadži, 1931

Hadži 1931: 137-140; 153-154. Platybuninae
M.; G. lophos "crest" + *Opilio*.

Junior subjective synonym of *Odiellus* Roewer, 1923: by Spöck (1963: 50). Synonymy not accepted by Staręga (1976a: 154) or Martens (1978: 297).

Current synonym: *Emonia*.

TYPE by monotypy: *Lophopilio tridentatus* Hadži, 1931 (Hadži 1931: 137-140, 153-154, combined genus/species description).

Junior subjective synonym of *Opilio palpalis* Herbst, 1799 (Herbst 1799: 6-7, 25, pl. 7 fig. 2): by Šilhavý (1956a: 214).

Type(s) of *L. tridentatus* from Yugoslavia originally at ULZI (Hadži 1931: 154), but presently at NMW and later will be deposited at PMS (T. Novak and J. Gruber, *in litt.*); of *O. palpalis* from Germany (Briesnitz, now an outlying district of Dresden), von Block collection, presumed lost; not from Poland as stated by Hillyard and Sankey (1990: 88).

Redescriptions of genus: Šilhavý (1956a: 214); Staręga (1976a: 154, 1976b: 389-390); Martens (1978: 297). Of species: Šilhavý (1956a: 214-217, figs. pp. 210-211); Spöck (1963: 48-50, figs. pp. 25, 42-43); Staręga (1976a: 154-156, 1976b: 390-392); Martens (1978: 298-301); Hillyard and Sankey (1990: 88-89).

Macropsalis Sørensen, 1886

Sørensen 1886: 54-55. Megalopsalidinae

F.; G. makros "long" + G. psalis (F.) "scissors."

Junior homonym of *Macropsalis* Sclater, 1866 (Aves); replaced by *Megalopsalis* Roewer, 1923 (q.v.), *nomen novum*.

TYPE by monotypy: *Macropsalis serritarsus* Sørensen, 1886 (Sørensen 1886: 55-56, pl. 5 fig. 1).

Type(s) from Australia (Sydney), originally 4 syntypes which were probably at ZIZM. Roewer (1923: 867) mentioned 2 syntypes at ZIZM and one in his own collection. Roewer (1956: 267) cited 2 "paratypes" at SMF, RI/7/642, and Weidner (1959: 126) cited one "holotype" at ZIZM. Clearly, Roewer transferred at least 2 syntypes from ZIZM to SMF; Weidner's statement constitutes a lectotype designation under ICZN Art. 74b.

Maindronia Roewer, 1910

Roewer 1910a: 105. Gaggrellinae

F.; collector Maurice Maindron.

Junior homonym of *Maindronia* Bouvier, 1897 (Thysanura); replaced by *Strandia* Roewer, 1910 (q.v.), *nomen novum*.

Strandia is a suggested junior synonym of *Crassicippus* Roewer, 1910 (and thus, in the system adopted here, of *Gagrella* Stoliczka, 1869): by Staręga (1989: 7).

TYPE by original designation: *Gagrella maindroni* Simon, 1897 (Simon 1897: 296-297).

Type(s) from India (Matheran) at MNHN; 1 syntype at SMF, RI/2/133 (Roewer 1954b: 272).

Revision, sub *Strandia*: Roewer (1954b: 270-279).

Marthana Thorell, 1891

Thorell 1891: 719. Gaggrellinae

F.; Thorell stated that *Marthana* is a *nomen proprium personae* (perhaps from Martha).

Current synonyms: *Eumarthana*, *Heteromarthana*, *Marthanella*, *Marthanessa*, *Marthanola*, *Metamarthana*, *Promarthana*.

TYPE by original designation: *Marthana turruta* Thorell, 1891 (Thorell 1891: 720-722). Roewer (1910a: 90) designated as type an ineligible species, *Marthana cuspidata* Loman, 1892 (Loman 1892: 12, pl. 1 fig. 4), stating in defense of this action that *M. turruta* might belong in another genus! Banks (1930: 58, 84) apparently believed he was the first to designate *M. turruta* as type. Roewer (1955a: 95) accepted *M. turruta*. Suzuki (1977a: 75) cited *M. cuspidata* as type but attributed the species to Thorell (1891)!

Type(s), probably from Indonesia, at NRS.

Marthanella Roewer, 1910

Roewer 1910a: 129. Gaggrellinae

F.; *Marthana* + L. -ella, diminutive.

Junior subjective synonym of *Marthana* Thorell, 1891: by Suzuki (1977a: 75-76).

Current synonyms: *Heteromarthana*, *Marthanessa*, *Marthanola*, *Metamarthana*, *Promarthana*.

TYPE by original designation: *Marthanella turruta* Roewer, 1910 (Roewer 1910a: 129-130, pl. 4 fig. 58).

Junior secondary homonym of *Marthana turruta* Thorell, 1891 (type species of *Marthana*), first noted herein; replaced by *Marthana pagonota* Crawford, 1992 (herein), *nomen novum*. The new specific name is a Greek compound adjective meaning "peak-backed," from pagos + nōtos.

Type(s) from Philippines at ZIZM.

Marthanessa Roewer, 1955

Roewer 1955a: 88. Gaggrellinae

F.; *Marthana* + -essa, diminutive.

Junior subjective synonym of *Marthana* Thorell, 1891: by Suzuki (1977a: 75-76).

Current synonym: *Marthanola*.

TYPE by original designation: *Marthanessa siamensis* Roewer, 1955 (Roewer 1955a: 88, fig. p. 93).

Type(s) from Thailand at SMF (RII/8954/525).

Marthanola Roewer, 1955

Roewer 1955a: 88. Gaggrellinae

F.; *Marthana* + L. -ola, diminutive.

Junior subjective synonym of *Marthana* Thorell, 1891: by Suzuki (1977a: 75-76).

TYPE by original designation: *Marthanola aurata* Roewer, 1955 (Roewer 1955a: 88-89, figs. p. 93).

Type(s) from Malaysia at SMF (RII/6480/467).

***Mastobunus* Simon, 1879**

Simon 1879b: 164. Sclerosomatinae

M.; G. mastos "breast" + G. bounos "mound."

TYPE by monotypy: *Phalangium tuberculiferum* Lucas, 1846 (Lucas 1846: 300-301, pl. 21 fig. 1).

Type(s) from Algeria at MNHN.

Redescription of species: Marcellino (1970: 290, 292).

***Megabunus* Meade, 1855**

Meade 1855: 405. Platybuninae

M.; G. megas "big" + G. bounos "mound."

TYPE by subsequent designation of Thorell (1876a: 464): *Megabunus insignis* Meade, 1855 (Meade 1855: 406-407, pl. 10 fig. 5). Thorell in effect designated *M. insignis* by designating *Phalangium diadema* Fabricius, 1779 (not an originally included species) while placing *M. insignis* in synonymy. The designation as stated is valid (ICZN Art. 69a.v).

Junior subjective synonym of *Phalangium diadema* Fabricius, 1779 (Fabricius 1779: 339-340): by Thorell (1876a: 464).

Type(s) of *M. insignis* from England (Bradford), North Wales, and Ireland; of *P. diadema* from Norway, presumed lost.

Redescriptions of genus: Spoek (1963: 26); Martens (1978: 273-274). Of species: Spoek (1963: 27, fig. p. 13); Martens (1978: 284-286, fig. p. 279); Hillyard and Sankey (1990: 84-85).

***Megalopsalis* Roewer, 1923**

Roewer 1923: 866. Megalopsalidinae

F.; G. megalos (= megas) "big" + G. psalis (F.) "scissors."

Valid replacement (*nomen novum*) for *Macropsalis* Sørensen, 1886, preoccupied (q.v.).

***Megistobunus* Hansen, 1921**

Hansen 1921: 35-36. Phalangiinae

M.; G. megistos "biggest" + G. bounos "mound."

TYPE by monotypy: *Megistobunus longipes* Hansen, 1921 (Hansen 1921: 36-38, pl. 3 fig. 3a-c).

Type(s) from Equatorial Guinea (Fernando Po Isl., W. Africa) at MSNG(?).

Redescription and catalogue of genus: Staręga (1984: 31-32).

***Melanopa* Thorell, 1889**

Thorell 1889: 659. Gagrellinae

F.; According to Thorell, from *Melanôpê*, a G. *nomen proprium feminae*; possibly a feminized version of *Melanôpos*, a Greek mythical poet whom Thorell may have confused with *Melanippê*, in mythology the daughter of Cheiron.

Junior subjective synonym of *Gagrella* Stoliczka, 1869: by With (1903: 483). **Synonymy disclaimed**: by Roewer (1910a: 20).

TYPE by original designation: *Melanopa plebeja* Thorell, 1889 (Thorell 1889: 659-662).

Type(s) from Burma: one syntype, miscalled paratype, at ZIZM (Weidner 1959: 126); Roewer (1923: 935) cited a "cotype" (syntype) in his own collection, but Roewer (1955a: 101) did not cite the latter and listed other syntypes from NRS and possibly MSNG.

Revision and catalogue: Roewer (1955a: 97-105).

***Melanopella* Roewer, 1931**

Roewer 1931: 544. Gagrellinae

F.; *Melanopa* + L. -ella, diminutive.

TYPE by monotypy: *Melanopella feuerborni* Roewer, 1931 (Roewer 1931: 544).

Type(s) from Indonesia (Java) at SMF (RII/2490/218).

***Melanopula* Roewer, 1929**

Roewer 1929a: 130. Gagrellinae

F.; *Melanopa* + L. -ula, diminutive.

TYPE by monotypy: *Melanopula biceps* Roewer, 1929 (Roewer 1929a: 130-131).

Type(s) from India at ZSI (1030/18); 2 of the 6 syntypes, miscalled paratypes, were listed from SMF, RII/775/55, by Roewer (1955a: 106).

Redescription of genus: Suzuki (1977a: 66).

***Mesosoma* Weed, 1892**

Weed 1892: 529. Leiobuninae

N.; G. mesos "middle" + G. sōma (N.) "body."

Junior homonym of *Mesosoma* Otto, 1821 (Crustacea); replaced by *Eumesosoma* Cokendolpher, 1980 (q.v.), *nomen novum*.

TYPE by original designation: *Mesosoma nigrum* Weed, 1892 (Weed 1892: 529). Most authors (including Cokendolpher 1980a: 2) have stated that the type species is *Phalangium nigrum* Say, 1821 (Say 1821: 66-67). However, Weed actually designated "the *P. nigrum* of Dr. Wood... found in the western and southwestern States... [which] may be different from Say's species." As is now known (Cokendolpher 1980a: 7), the species before Wood and Weed was actually *Mesosoma roeweri* Goodnight and Goodnight. This clearly invokes ICZN Art. 70c: an author who deliberately adopts a type species for a new genus in the misidentified sense of another author, is deemed to

have established a new, different species of the same name; thus, *Mesosoma nigrum* Weed, 1892.

Senior subjective synonym of *Mesosoma roeweri* Goodnight and Goodnight, 1943 (Goodnight and Goodnight 1943a: 651-652): **new synonym (herein)**. In addition to the evidence presented by Cokendolpher (1980a: 7), Wood's (1868: 34) figures of the penis and Weed's (1893b: 286) description thereof leave no doubt that they had *M. roeweri*. Cokendolpher, as first reviser, gave *M. roeweri* priority over its synonym *M. texanum* Goodnight and Goodnight, described on the following page.

Junior secondary homonym (ICZN Art. 57c.i) of *Phalangium nigrum* Say, 1821, since both species are now placed in *Eumesosoma*; **first noted herein**. *M. nigrum* Weed is therefore replaced by its oldest available synonym, *M. roeweri* Goodnight and Goodnight. Thus, **the valid name of the type species is *Eumesosoma roeweri* (Goodnight and Goodnight, 1943)**.

Type(s) of *P. nigrum* Say from U.S.A., "Carolinas and Georgia," destroyed by fire (Davis 1934: 662). Neotype from U.S.A. (S. Carolina) designated by Cokendolpher (1980a: 15), at AMNH. Type(s) of *M. nigrum* Weed: Weed's specimens are presumed lost (Davis 1934: 662), but the specimens (from U.S.A., Texas and Nebraska) described by Wood (1868: 34-35) are part of Weed's type series under ICZN Art. 72b.ii, and are at MCZ (H. Levi, *in litt.*). Type(s) of *M. roeweri* from U.S.A. (Texas) at AMNH.

Revision: Cokendolpher (1980a), with redescrptions of genus (pp. 1-2), *E. roeweri* (pp. 7-10, figs. pp. 3, 6), and *E. nigrum* (Say) (pp. 14-16, figs. pp. 3, 6, 11).

***Metadasylobus* Roewer, 1911**

Roewer 1911b: 59-60. Phalanginiinae

M.; G. meta- "between/change" + *Dasylobus*.

Current synonym: *Dentizacheus*.

TYPE by original designation: *Dasylobus fuscoannulatus* Simon, 1883 (Simon 1883: 298-300).

Type(s) from Canary Isls. at MNHN.

Redescrptions: Staręga (1973b), of genus (p. 369) and species (pp. 369-371).

***Metadentobunus* Roewer, 1915**

Roewer 1915b: 149. Gagrellinae

M.; G. meta- "between/change" + *Dentobunus*.

TYPE by monotypy: *Metadentobunus formosae* Roewer, 1915 (Roewer 1915b: 149).

Type(s) from Taiwan at SMF (RI/2/1162).

Redescription: Suzuki (1977b), pp. 137 (genus), 137-139, fig. p. 155 (species).

***Metagagrella* Roewer, 1910**

Roewer 1910a: 95. Gagrellinae

F.; G. meta- "between/change" + *Gagrella*.

Junior subjective synonym of *Psathyropus* L. Koch, 1878: by Suzuki (1973: 250). Granting this synonymy, *Psathyropus* (q.v.) is the valid name of the genus, even though Suzuki (1973, 1977b, 1985b) failed to adopt it as such.

TYPE by original designation: *Gagrella sordidata* Thorell, 1889 (Thorell 1889: 634-636).

Type(s) from Burma: some syntypes, miscalled paratypes, at ZIZM (Weidner 1959: 123) and SMF, RI/3/76 (Roewer 1954b: 244); the rest assumed to be at NRS and MSNG.

Revisions: Roewer (1954b: 237-250); Suzuki (1973: 250-255, Japanese spp.; 1977b: 131-137, figs. pp. 155-156, Taiwan spp.; 1985b: 229-240, Thai spp.); Gritsenko (1979b: 124-126, U.S.S.R. spp.). Redescription of *G. sordidata*: Suzuki (1985b: 230-231).

***Metahehoa* Suzuki, 1985**

Suzuki 1985b: 210. Gagrellinae

F.; G. meta- "between/change" + *Hehoa*.

TYPE by original designation: *Metahehoa granulata* Suzuki, 1985 (Suzuki 1985b: 210-212).

Type(s) from Thailand at ZMUC.

***Metaliobunum* Suzuki, 1940**

Suzuki 1940: 276. Leiobuninae

N.; G. meta- "between/change" + *Liobunum*.

Junior subjective synonym of *Leiobunum* C. Koch, 1839: by Suzuki (1976: 192-193).

TYPE by original designation: *Metaliobunum japonicum* Suzuki, 1940 (Suzuki 1940: 277-279).

Junior secondary homonym (ICZN Art. 57c.i) of *Liobunum japonicum* Müller, 1914, **first noted herein**. Suzuki (1976) brought both his own and Müller's species together in *Leiobunum*, respectively as *Leiobunum japonense japonicum* (Suzuki) and *Leiobunum japonicum* Müller. The fact that one is a species and one a subspecies does not prevent the homonymy; species and subspecies names are subject to the same provisions (ICZN Art. 45b). The junior homonym is accordingly **replaced (herein)** by its oldest available synonym, *Leiobunum suzukii* Roewer, 1957 (Roewer 1957: 343, figs. p. 333). See Suzuki (1976: 202) for the synonymy; as first reviser (ICZN Art. 24), Suzuki gave *L. suzukii* priority over its synonym *Leiobunum bifrons* Roewer, 1957, described on the same page. The correct current combination for *Metaliobunum japonicum* Suzuki is therefore: *Leiobunum japonense suzukii* Roewer, **new status**.

Type(s) of *M. japonicum* Suzuki from Japan at ZLHU, destroyed (Suzuki 1976: 202); of *L. suzukii* from Japan at SMF (RII/11217/118).

Redescription of species: Suzuki (1976: 202-203, figs. pp. 201, 250) sub *L. japonense japonicum*.

Metamarthana Roewer, 1912Roewer 1912b: 40-41. GagrellinaeF.; G. meta- "between/change" + *Marthana*.

A type species has never been designated for *Metamarthana*. Of the two originally included species, I choose *M. cerata* because the other, *M. fusca*, is from an uncertain locality.

Junior subjective synonym of *Marthana* Thorell, 1891: by Roewer (1955a: 86-87).

Current synonyms: *Heteromarthana*, *Marthanessa*, *Marthanola*, *Promarthana*.

TYPE by subsequent designation (herein):

Metamarthana cerata Roewer, 1912 (Roewer 1912b: 41-42).

Type(s) from Indonesia (Sumatra) at SMF (RI/3/62).

Metaphalangium Roewer, 1911Roewer 1911b: 70-71. PhalangiinaeN.; G. meta- "between/change" + *Phalangium*.

Current synonyms: *Apozacheus*, *Metegaenus*, *Odontosoma*, *Parodontosoma*, *Paropilio*.

TYPE by original designation: *Phalangium propinquum* Lucas, 1846 (Lucas 1846: 286-287, pl. 20 fig. 4).

Junior subjective synonym of *Opilio Cirtanus* C. Koch, 1839 (C. Koch 1839b: 35): by Staręga (1984: 38, 41-42).

Type(s) of *P. propinquum* from Algeria at MNHN, with 9 of Lucas' syntypes at SMF, RI/7/684 (Roewer 1956: 270); of *O. cirtanus* from "North Africa," restricted to Algeria (Constantine) by C. Koch (1847: 46), depository unknown.

Revision: Staręga (1984: 33-44).

Redescriptions of genus: Martens (1978: 236); Staręga (1984: 33). Of species: Staręga (1967: 58, 60, 1984: 38-42); Martens (1978: 237-239).

Metaplatybanus Roewer, 1911Roewer 1911b: 68-69. PlatybuninaeM.; G. meta- "between/change" + *Platybanus*.

TYPE by original designation: *Platylophus grandissimus* C. Koch, 1839 (C. Koch 1839b: 29). Martens (1978: 270) stated incorrectly that the type is such through monotypy; original designation takes precedence (ICZN Art. 68).

Type(s) from Greece, depository unknown; not at NMW as wrongly stated by Roewer (1911b: 70) (J. Gruber, *in litt.*).

Redescriptions: Martens (1978: 270), of genus; Martens (1967: 357-359), of species.

Metasclerosoma Roewer, 1912Roewer 1912c: 20-21. SclerosomatinaeN.; G. meta- "between/change" + *Sclerosoma*.

Current synonym: *Neosclerosoma*, *Proscleerosoma*.

TYPE by original designation: *Sclerosoma*

Sardum Thorell, 1876 (Thorell 1876a: 501-502).

Type(s) from Italy (Sardinia) at MSNG.

Metasyleus Roewer, 1955Roewer 1955a: 115. GagrellinaeM.; G. meta- "between/change" + *Syleus*.

TYPE by original designation: *Metasyleus ephippiatus* Roewer, 1955 (Roewer 1955a: 115-116, fig. p. 117).

Type(s) from Burma at SMF (RII/6203/447).

Metaverpulus Roewer, 1912Roewer 1912b: 53. GagrellinaeM.; G. meta- "between/change" + *Verpulus*.

TYPE by monotypy: *Metaverpulus hirsutus* Roewer, 1912 (Roewer 1912b: 54).

Type(s) from India at SMF (RI/3/108).

Revision: Martens (1987: 188-199), with redescrptions of genus (pp. 188-189) and species (pp. 189-192, figs. p. 198).

Metazaleptus Roewer, 1912Roewer 1912b: 55. GagrellinaeM.; G. meta- "between/change" + *Zaleptus*.

Suggested junior synonym of *Verpulus* Simon, 1901: by Suzuki (1978: 180). Synonymy not adopted by Suzuki (1985b: 255) or Martens (1987: 172).

TYPE by monotypy: *Zaleptus hirsutus* With, 1903 (With 1903: 482-483).

Type(s) from India (Darjiling) at ZSI; a syntype at ZMUC and probable syntypes at SMF, RI/3/124, according to Martens (1987: 173).

Redescriptions: Martens (1987), of genus (p. 172) and species (pp. 172-176); Suzuki (1985b: 255-257), of Thai spp.

Metegaenus Šilhavý, 1965Šilhavý 1965: 375. PhalangiinaeM.; G. meta- "between/change" + *Egaenus*.

Junior subjective synonym of *Metaphalangium* Roewer, 1911: by Staręga (1984: 44).

Current synonyms: see *Odontosoma*.

TYPE by original designation: *Phalangium tuberculatum* Lucas, 1846 (Lucas 1846: 294-296, pl. 19 fig. 4).

Type(s) from Algeria at MNHN; 2 "cotypes" (syntypes) at SMF, RI/8/678 (Staręga 1984: 43).

Redescription of species, sub *Metaphalangium tuberculatum*: Staręga (1984: 42-44).

Metopilio Roewer, 1911Roewer 1911b: 104-105. Metopilio groupM.; G. meta- "between/change" + *Opilio*.

TYPE by original designation: *Phalangium armigerum* F. Pickard-Cambridge, 1905 (F. Pickard-Cambridge 1905: 579-580, pl. 54 figs. 8-9).

Roewer (1912c: 263) incorrectly re-designated as type an ineligible species, *Mitopus australis* Banks, 1909 (Banks 1909: 231).

Type(s) from Mexico (Guerrero), presumably at BMNH; original description stated "in coll. Godman & Salvin."

Redescription of genus: Cokendolpher and Cokendolpher (1984: 168). Redescription of *M. australis*, with implications for genus: Gruber (1970: 271-273).

Microgyas Schenkel, 1951

Schenkel 1951: 47. Leiobuninae

M.; G. mikros "small" + *Gyas*.

Junior objective synonym of *Leuronychus* Banks, 1900: by Cokendolpher (1980b: 133).

TYPE by monotypy: *Microgyas banksi* Schenkel, 1951 (Schenkel 1951: 47-49).

Junior subjective synonym of *Liobunum pacificum* Banks, 1894 (Banks 1894: 162), type of *Leuronychus*: by Cokendolpher (1980b: 133).

Type(s) from U.S.A. (California) at NMB (82a).

Microliobunum Roewer, 1912

Roewer 1912b: 58. Leiobuninae

N.; G. mikros "small" + *Liobunum*.

TYPE by monotypy: *Microliobunum brevipes* Roewer, 1912 (Roewer 1912b: 58-59).

Type(s) from Lebanon at SMF (RI/5/178).

Micronelima Schenkel, 1938

Schenkel 1938: 27-28. Leiobuninae

F.; G. mikros "small" + *Nelima*.

TYPE by monotypy: *Micronelima brevipes* Schenkel, 1938 (Schenkel 1938: 28-29).

Type(s) from Spain (Covadonga), depository unknown; Forcart (1961) did not list from NMB.

Microzaleptus Roewer, 1955

Roewer 1955b: 138. Gagrellinae

M.; G. mikros "small" + *Zaleptus*.

TYPE by original designation: *Microzaleptus quadratus* Roewer, 1955 (Roewer 1955b: 138, fig. p. 143).

Type(s) from Burma at SMF (RII/7976/502).

Mitopiella Banks, 1930

Banks 1930: 70. Oligolophinae(?)

F.; *Mitopus* + L. -ella, diminutive.

Banks placed this species in Phalangidae and implied that it belonged in Oligolophinae. However, his description does not exclude placement in Sclerosomatidae-Gagrellinae with the rest of the Borneo fauna.

TYPE by monotypy: *Mitopiella cinctipes* Banks, 1930 (Banks 1930: 71).

Type(s) from Indonesia (Kalimantan [Borneo], Mt. Murud) at SM, paratype(s) presumably at MCZ.

Mitopus Thorell, 1876

Thorell 1876a: 465. Oligolophinae

M.; G. mitos "thread" + G. pous "foot."

Mitopus, often stated to lack the carapace trident which defines Oligolophinae, does in fact have a slightly developed one.

Current synonyms: *Parodiellus*, *Strandibunus*.

TYPE by original designation: *Phalangium morio* Fabricius, 1779 (Fabricius 1779: 340).

Type(s) from Norway, presumed lost.

Redescriptions of genus: Šilhavý (1956a: 188), Spöck (1963: 38), Staręga (1976a: 112-113), Martens (1978: 345). Of species: Bishop (1949: 178-179, pl. 2 figs. 19-22); Šilhavý (1956a: 188-191, figs. pp. 180-181), Spöck (1963: 38-41, figs. p. 49), Dumitrescu (1970: 83, 84, 86), Staręga (1976a: 113-116), Martens (1978: 346-351); Hillyard and Sankey (1990: 74-75).

Monoscutum Forster, 1948

Forster 1948: 314. Monoscutinae

N.; G. monos "one" + L. scutum "shield."

TYPE by original designation: *Monoscutum titirangiensis* Forster, 1948 (Forster 1948: 314-315, pl. 61 figs. 1-4), emended to *Monoscutum titirangiense* by Šilhavý (1970: 173).

Type(s) from New Zealand at NZNM (2/60).

Munequita Mello-Leitão, 1941

Mello-Leitão 1941: 435. Gagrellinae

F.; derivation unknown; perhaps related to Spanish muñequilla, "small ear of corn."

TYPE by original designation: *Munequita pulchra* Mello-Leitão, 1941 (Mello-Leitão 1941: 435).

Type(s) from Brasil (São Paulo state), depository unknown; not mentioned at MNRJ by Soares (1945).

Narmadella Roewer, 1931

Roewer 1931: 545. Gagrellinae

F.; type locality Narmada.

Junior subjective synonym of *Bonthainia* Roewer, 1913 (and of *Nilgirisia* Roewer, 1929): by Suzuki (1977a: 68-69).

Current synonym: *Apogrella*.

TYPE by monotypy: *Narmadella elegans* Roewer, 1931 (Roewer 1931: 545-546).

Type(s) from Indonesia (Lombok) at SMF (RII/2496/224).

Nelima Roewer, 1910

Roewer 1910a: 238. Leiobuninae

F.; L. ne "not" + lima "file."

Current synonym: *Nodala*.

TYPE by original designation: *Liobunum silvaticum* Simon, 1879 (Simon 1879b: 187-188). Šilhavý (1956a: 178) incorrectly cited *Liobunum nigripalpe* Simon, 1879 (Simon 1879b: 183-184) as type.

Type(s) from France at MNHN; 2 "cotypes" (syntypes) at SMF, RI/5/26 (Roewer 1923: 914,

1957: 347).

Revision: Martens (1969: 395-415).

Redescriptions of genus: Martens (1969b: 395-397, 1978: 417); Starega (1976a: 171). Of species:

Martens (1969b: 408-409, figs. pp. 396-397, 402; 1978: 420-421, figs. pp. 419, 425).

***Neogagrella* Roewer, 1913**

Roewer 1913: 77-78. Gagrellinae

F.; G. neos "new" + *Gagrella*.

TYPE by monotypy: *Neogagrella eximia*

Roewer, 1913 (Roewer 1913: 78).

Type(s) from Indonesia (Celebes) at NMB (9a).

***Neopilio* Lawrence, 1931**

Lawrence 1931: 473-474. Neopilioninae

M.; G. neos "new" + *Opilio*.

TYPE by monotypy: *Neopilio australis*

Lawrence, 1931 (Lawrence 1931: 474-475).

Type(s) from South Africa; of original 17 syntypes at SAM, Roewer (1957: 354) indicated that 9 were at SMF, RII/2937/1.

Redescriptions: Kauri (1961), of genus (p. 143) and species (pp. 143-145, figs. p. 142); Hunt and Cokendolpher (1991: 140-142), of species.

***Neosclerosoma* Roewer, 1923**

Roewer 1923: 703. Sclerosomatinae

N.; G. neos "new" + *Sclerosoma*.

Junior objective synonym of *Metasclerosoma*

Roewer, 1912: subjective synonymy implied by Marcellino (1983: 337-339), who transferred the type species to *Metasclerosoma* but did not mention synonymy of the genus; objective synonymy first stated herein. Roewer (1923), in withdrawing *Sclerosoma sardum* Thorell from *Metasclerosoma* to found a new genus, evidently forgot that in 1912 he had designated it type of *Metasclerosoma*. The two names are automatically synonyms by ICZN Art. 61c.iii.

TYPE by monotypy: *Sclerosoma Sardum*

Thorell, 1876 (Thorell 1876a: 501-502).

Type(s) from Italy (Sardinia) at MSNG.

***Nepalgrella* Martens, 1987**

Martens 1987: 112. Gagrellinae

F.; Nepal + *Gagrella*.

TYPE by original designation: *Nepalgrella*

kortaliensis Martens, 1987 (Martens 1987: 112-114).

Type(s) from Nepal at SMF (33531).

Full account of genus: Martens (1987: 112-115).

***Nepalkanchia* Martens, 1990**

Martens 1990: 352. Gagrellinae

F.; Nepal + *Kanchia*.

Valid replacement (*nomen novum*) for *Kanchia*

Martens, 1987, preoccupied (q.v.).

***Nilgirisia* Roewer, 1929**

Roewer 1929a: 146. Gagrellinae

F.; locality Nilgiris.

Junior subjective synonym of *Bonthainia*

Roewer, 1913: by Suzuki (1977a: 68-69).

Current synonyms: *Apogrella*, *Narmadella*.

TYPE by monotypy: *Nilgirisia gravelyi* Roewer, 1929 (Roewer 1929a: 147).

Type(s) from India originally at ZSI (1028/18); but of the 5 original syntypes, 4 were cited from SMF, RII/780/60, miscalled paratypes, by Roewer (1955a: 75). The latter paper also listed among the "types" at ZSI, specimens which the original description excluded from the type series under ICZN Art. 72b.vi.

***Nodala* Forster, 1949**

Forster 1949: 70. Leiobuninae

F.; true derivation unknown, but could be from G. nê- or nô- "not" + G. dêlos "conspicuous"; or L. nodus "knot" + -ala.

Junior subjective synonym of *Nelima* Roewer, 1910: by Gruber and Hunt (1973: 384).

TYPE by original designation: *Nelima dunni* Forster, 1947 (Forster 1947: 174-177).

Junior subjective synonym of *Lejobunum Doriae* Canestrini, 1871 (Canestrini 1871: 384-385): by Gruber and Hunt (1973: 384-385). *Lejobunum doriae* was emended to *L. doriai* by Starega (1966: 407); this emendation is unjustified (Acosta and Cokendolpher 1990: 144).

Type(s) of *L. doriae* from Italy at MZUP (Canestrini coll. No. 637), lectotype designated by Chemini (1986: 127); of *Nelima dunni* from Australia (Melbourne) at AMS.

Redescriptions of species (as *Nelima doriae*): Martens (1969b: 398-401, fig. p. 396; 1978: 426-429, figs. p. 425); Marcellino (1970: 294-296); Gruber and Hunt (1973: 385-386).

***Novabunus* Goodnight and Goodnight, 1944**
G. & G. 1944: 4. Phalangiinae

M.; L. novus "new" + G. bounos "mound."

Junior subjective synonym of *Cristina* Loman, 1902: by Starega (1984: 15).

TYPE by original designation: *Novabunus spinosus* Goodnight and Goodnight, 1944

(Goodnight and Goodnight 1944: 4-5, figs. p. 2).

Type(s) from Ethiopia at AMNH.

***Obigrella* Roewer, 1955**

Roewer 1955b: 149. Gagrellinae

F.; possibly L. ob "towards" + *Gagrella*.

TYPE by original designation: *Obigrella nigra* Roewer, 1955 (Roewer 1955b: 149-150, figs. p. 151).

Type(s) from Burma at SMF (RII/7978/504).

***Octozaleptus* Suzuki, 1966**

Suzuki 1966a: 110. *Gagrellinae*
M.; G. oktô "eight" + *Zaleptus*.
TYPE by original designation: *Octozaleptus*
harai Suzuki, 1966 (Suzuki 1966a: 111-113).
Type(s) from Nepal at ZLHU.

***Odiellus* Roewer, 1923**

Roewer 1923: 724-725. *Oligolophinae*
M.; *Odius* + L. -ellus, diminutive.
Valid replacement (*nomen novum*) for *Odius*
Thorell, 1876, preoccupied (q.v.). Reduced to
subgenus of *Oligolophus* K. Koch, 1871: by Sankey
and Savory (1974: 29-30). Placement disclaimed:
by Martens (1978: 322).
Junior subjective synonym of *Lacinius* Thorell,
1876: by Rambla (1973). Synonymy disclaimed:
by Martens (1978: 322).
Current synonym: *Papilophus*.

***Odius* Thorell, 1876**

Thorell 1876a: 463. *Oligolophinae*
M.; G. name of chieftain killed by Agamemnon
in the *Iliad*.
Junior homonym of *Odius* Lilljeborg, 1866
(Crustacea) and *Odius* Stål, 1867 (Hemiptera);
replaced by *Odiellus* Roewer, 1923 (q.v.), *nomen*
novum.

Current synonym: *Papilophus*.

TYPE by original designation: *Phalangium*
histris Latreille, 1798 (Latreille 1798: 114).

Junior subjective synonym of *Phalangium*
spinosum Bosc, 1792 (Bosc 1792: 18): by Simon
(1879b: 261).

Type(s) of *P. histris* presumed lost. Locality not
stated by Latreille (1798), but Latreille (1802a:
376) cited France, "les champs de Brive." Type(s)
of *P. spinosum* from France (Paris), presumed lost.

Redescriptions of genus (as *Odiellus*): Spoek
(1963: 47); Starega (1976a: 126-127); Martens
(1978: 333). Of species (as *Odiellus spinosus*):
Kraus (1959a: 89-91); Spoek (1963: 52-53, figs.
pp. 25, 42); Martens (1978: 333-336); Hillyard and
Sankey (1990: 72-73).

***Odontobunus* Roewer, 1910**

Roewer 1910a: 191. *Phalangiinae*
M.; G. odonto- (combining form of odous
"tooth") + G. bounos "mound."

Described in *Leiobuninae*, *Odontobunus* was
transferred to *Phalangiinae* by Starega (1984: 44).
Kauri (1985: 94), without knowledge of Starega's
work, made it the type of his new *Odontobuninae*.

Current synonyms: *Chelibunus*, *Cheops*,
Ruandella.

TYPE by original designation: *Odontobunus*
africanus Roewer, 1910 (Roewer 1910a: 191-192,
pl. 5 figs. 21-22).

Type(s) from Uganda/Zaire (Ruwenzori Mts.) at

SMF (RI/5/12).

Revision: Starega (1984: 44-51), with
redescriptions of genus (pp. 44-45) and species (pp.
45-47).

***Odontosoma* Šilhavý, 1946**

Šilhavý 1946a: 55-56. *Phalangiinae*
N.; G. odonto- "toothed" + G. soma "body."

Junior homonym of *Odontosoma* Townsend,
1916 (Diptera), first noted herein; replacement
name not necessary because name is invalid as a
junior objective synonym.

Junior objective synonym of *Metaphalangium*
Roewer, 1911: by Starega (1984: 42).

Current synonyms: *Apozacheus*, *Metegaenus*,
Parodontosoma. These three names were published
simultaneously by Šilhavý (1965), and their
relative priority has not been established.

TYPE by monotypy: *Odontosoma centetes*
Šilhavý, 1946 (Šilhavý 1946a: 56-57, pl. 1 figs. 1-
11 + fig. on color plate).

Junior subjective synonym of *Opilio Cirtanus* C.
Koch, 1839 (C. Koch 1839b: 35), type of
Metaphalangium: by Starega (1984: 38, 42).

Type(s) of *Odontosoma centetes* from unknown
locality, at MNHN; of *Opilio cirtanus* from Algeria,
depository unknown.

Redescription of species: Starega (1984: 38-42),
sub *Metaphalangium cirtanum*.

***Oligolophus* K. Koch, 1871**

K. Koch 1871: 63-64. *Oligolophinae*
M.; G. oligos "little" + G. lophos "crest."

Placed on the *Official list of genus-group names*
in zoology by the International Commission on
Zoological Nomenclature (1971), name number
1934.

Junior subjective synonym of *Acantholophus* C.
Koch, 1839 (= *Lacinius* Thorell, 1876): by
Kraepelin (1896: 227-231). Synonymy disclaimed:
by Roewer (1912c: 50).

TYPE designated under the plenary powers
(International Commission on Zoological
Nomenclature 1971: 218): *Opilio tridens* C. Koch,
1836 (C. Koch 1836: 14-15, pl. 78 fig. 173). For
history of type fixation, see Starega (1968).

Placed on the *Official list of species-group*
names in zoology by the International Commission
on Zoological Nomenclature (1971), name number
2428.

Type(s) from Germany (Regensburg), presumed
lost.

Redescriptions of genus: Spoek (1963: 53-54);
Starega (1976a: 117); Martens (1978: 309-310). Of
species: Lohmander (1945: 21-24, figs. pp. 28-29);
Šilhavý (1956a: 192-196, figs. pp. 180-181, 199);
Spoek (1963: 56-58, figs. pp. 5, 25, 37, 40, 42);
Dumitrescu (1970: 83-84, 86-87); Starega (1976a:
117-120); Martens (1978: 310-313); Hillyard and

Sankey (1990: 62-63).

†*Oligoopilionus* Ciobanu, 1977

Ciobanu 1977: 40. Incertae sedis
M.; from Oligocene age (G. oligos "few, small")
+ word opilionid (harvestman) from L. opilionis "of
Opilio."

I doubt that this poorly-preserved fossil, placed
by Ciobanu in Phalangiidae, is even an arachnid.
No character mentioned in the description or shown
in the illustration supports this placement. It is one
of a few arthropods from a faunal assemblage largely
of offshore marine mollusks and fish.

TYPE by original designation: *Oligoopilionus*
aquaticus Ciobanu, 1977 (Ciobanu 1977: 40-41, pl.
5 fig. 1).

Type(s) from Romania, Disodile inferioare
Formation, age Oligocene, at Muzeul di Științe
Naturale, Piatra Neamț, Romania.

Oncobunus Thorell, 1889

Thorell 1889: 667. Gagrellinae
M.; G. ogkos (latinized as oncus) "bulk" + G.
bounos "mound."

Junior subjective synonym of *Systenocentrus*
Simon, 1886: by Roewer (1910a: 18).

TYPE by original designation: *Oncobunus*
galeatus Thorell, 1889 (Thorell 1889: 667-670).

Type(s) from Burma at MSNG.

Onostemma Mello-Leitão, 1938

Mello-Leitão 1938: 332. Gagrellinae
N.; apparently from *Prionostemma*, by
truncation. However, could be from G. onos "ass" +
G. stemma (N.) "crown, garland."

TYPE by original designation: *Onostemma*
imitans Mello-Leitão, 1938 (Mello-Leitão 1938:
332, fig. 6 on unnumbered plate).

Type(s) from Brasil (Rio Grande do Sul state) at
MNRJ (58066).

Oobunus Kishida, 1930

Kishida 1930: 61-62. Gagrellinae
M.; G. òon "egg" + G. bounos "mound."

TYPE by original designation: *Oobunus*
schizops Kishida, 1930 (Kishida 1930: 62-64).

Type(s) from Japan, missing (N. Tsurusaki, *in*
litt.), probably destroyed by war (J. Cokendolpher,
in litt.).

Opilio Herbst, 1798

Herbst 1798: 2, 4-10. Opilioninae
M.; L. opilio "shepherd."

TYPE by subsequent designation of Simon
(1879b: 193): *Phalangium parietinum* De Geer,
1778 (De Geer 1778: 166-173, pl. 10 figs. 1-11). A
previous designation by Meade (1855: 409-410) of
Phalangium histrix Latreille, 1798 (Latreille 1798:
114), an ineligible species, is invalid. Martens

(1978: 239) suggested fixing the type of *Opilio*
under the ICZN plenary powers; this is unnecessary,
and Simon's action is sufficient (see further
discussion under *Phalangium*).

Type(s) of *P. parietinum* presumed lost; stated to
be from Sweden by Starega (1976a: 158) and
Martens (1978: 242), but De Geer mentioned no
explicit locality.

Redescriptions of genus: Spoek (1963: 31-32);
Starega (1976a: 157, 1976b: 397); Martens (1978:
239). Of species: Bishop (1949: 185-186, pl. 3
figs. 34-37); Hoffmann (1953: 62-72, possible
cryptic species); Šilhavý (1956a: 222-226);
Hickman (1957: 71-72); Spoek (1963: 32-35, figs.
pp. 45, 51); Starega (1976a: 158-160); Martens
(1978: 240-243); Hillyard and Sankey (1990: 80-
81).

Orissula Roewer, 1955

Roewer 1955b: 148. Gagrellinae
F.; locality Orissa + L. -ula, diminutive.

TYPE by original designation: *Orissula*
heterospinulata Roewer, 1955 (Roewer 1955b: 148,
figs. p. 151).

Type(s) from India (Orissa) at SMF
(RII/3204/283).

Padangrella Roewer, 1954

Roewer 1954b: 281. Gagrellinae
F.; locality Padang + *Gagrella*.

TYPE by original designation: *Padangrella*
jacobsoni Roewer, 1954 (Roewer 1954b: 281, fig.
p. 291).

Type(s) from Indonesia (Sumatra) at SMF
(RII/6248/408).

Palniella Roewer, 1929

Roewer 1929a: 128. Gagrellinae
F.; locality Palni Hills + L. -ella, diminutive.

TYPE by monotypy: *Palniella virididorsata*
Roewer, 1929 (Roewer 1929a: 128).

Type(s) from India at ZSI (1046/18); Roewer
(1954a: 235) cited 4 "paratypes" at SMF, but the
localities and specimen numbers contradict those in
the original description.

Pamirophalangium Starega, 1978

Starega 1978: 215. Phalangiinae
N.; Pamir Mts. + *Phalangium*.

Nomen nudum (and therefore unavailable).
Starega published this generic name and (same page)
the species name *Pamirophalangium laeve*, also a
nomen nudum, noting that descriptions were in
press. The paper cited has not yet appeared (as per
Cokendolpher 1987: 93 and my literature search).

Pantopsalis Simon, 1879

Simon 1879a: lxxiii. Megalopsalidinae
F.; G. pas "all" (combining form panto-) + G.

psalis (F.) "scissors."

TYPE by monotypy: *Phalangium Listeri* White, 1849 (White 1849: 6).

Type(s) from New Zealand, presumed lost.

Redescription of genus and catalogue of species: Hogg (1920: 31-36, pl. 1). Revision and genitalia of subantarctic spp.: Forster (1964: 107-114).

Papillophus Hadži, 1936

Hadži 1936: 293-303; 319-321. Oligolophinae

M.; L. papilla "nipple" + G. lophos "crest."

Junior objective synonym of *Odiellus* Roewer, 1923: by Kraus (1959a: 89).

TYPE by monotypy: *Papillophus crassus* Hadži, 1936 (Hadži 1936: 293-303; 319-321), combined genus and species description.

Junior subjective synonym of *Phalangium spinosum* Bosc, 1792 (Bosc 1792: 18): by Kraus (1959: 89). Synonymy disclaimed by Hadži (1973: 99, 117-118); reaffirmed by Martens (1978: 333). *Phalangium spinosum* is type of *Odiellus*.

Type(s) of *Papillophus crassus* from Yugoslavia originally at ULZI (Hadži 1936: 321), presently at NMW, later will be deposited at PMS (T. Novak and J. Gruber, *in litt.*); of *Phalangium spinosum* from France (Paris), presumed lost.

Paradentobunus Roewer, 1915

Roewer 1915b: 150. Gagrellinae

M.; G. para "beside" + *Dentobunus*.

TYPE by monotypy: *Paradentobunus aureomaculatus* Roewer, 1915 (Roewer 1915b: 150).

Type(s) from India at SMF (RI/2/1165).

Paragagrella Roewer, 1912

Roewer 1912b: 39-40. Gagrellinae

F.; G. para "beside" + *Gagrella*.

TYPE by indication: *Paragagrella typus* Roewer, 1912 (Roewer 1912b: 40). The species name *typus* constitutes an indication (ICZN Art. 68c) that takes precedence over monotypy (which also applies).

Type(s) from Indonesia (Sumatra) at SMF (RI/3/72).

Paragagrellina Schenkel, 1963

Schenkel 1963: 490. Gagrellinae

F.; G. para "beside" + *Gagrellina*.

TYPE by monotypy: *Paragagrellina legendrei* Schenkel, 1963 (Schenkel 1963: 490-491).

Type(s) from China (Yunnan prov.) at MNHN.

Parageaya Mello-Leitão, 1933

Mello-Leitão 1933: 102. Gagrellinae

F.; G. para "beside" + *Geaya*.

Current synonym: *Corderobunus*.

TYPE by monotypy: *Parageaya ciliata* Mello-Leitão, 1933 (Mello-Leitão 1933: 102-103).

Type(s) from Argentina at MACN (28194), according to original description; according to

Ringuelet (1959: 234), catalogue numbers are 4024 and 4529; according to Galiano and Maury (1979: 323), 4529.

Revision: Capocasale (1976: 33-41).

Redescriptions of genus: Ringuelet (1959: 234); Capocasale (1976: 35). Of species: Ringuelet (1959: 234-236); Capocasale (1976: 36-37, figs. p. 39). Checklist and penis illustrations: Capocasale (1981: 2, pl. 2).

Paralacinius Morin, 1934

Morin 1934: 21-22. Oligolophinae

M.; G. para "beside" + *Lacinius*.

Genus and species were previously published as *nomina nuda* by Morin (1931: 60, 61).

TYPE by monotypy: *Paralacinius podoliensis* Morin, 1934 (Morin 1934: 21-22, pl. 2 fig. 7), combined genus and species description.

Type(s) from U.S.S.R. (Ukraine) probably at Odessa Universitet; according to W. Starega (*in litt.*), the types are not at ZIL and are presumed destroyed during World War II.

Paranelima Caporiacco, 1938

Caporiacco 1938: 280. Leiobuninae

F.; G. para "beside" + *Nelima*.

Current synonym: *Glabrurus*.

TYPE by monotypy: *Paranelima taibeli* Caporiacco, 1938 (Caporiacco 1938: 280-281).

Type(s) from Guatemala, depository unknown; possibly at Museo Civico di Storia Naturale, Milan, Italy.

Paraplatybunus Dumitrescu, 1970

Dumitrescu 1970: 88. Platybuninae

M.; G. para "beside" + *Platybunus*.

Described as subgenus of *Platybunus* and never elevated prior to synonymy under *Rilaena*. The subfamily placement is discussed below.

Junior subjective synonym of *Rilaena* Šilhavý, 1965: by Starega (1973a: 143) and Martens (1978: 287). I consider this synonymy dubious. Starega (1976b) placed the type species of *Rilaena* in Phalangiinae; if this proves to be correct, then *Paraplatybunus* must be distinct, for its type species clearly belongs to Platybuninae. The juvenile palps (simplified in adults) and adult genital morphology are close to the platybunine genera *Megabunus* and *Metaplatybunus*.

TYPE by original designation: *Opilio triangularis* Herbst, 1799 (Herbst 1799: 9-11, 27, pl. 10 fig. 2).

Type(s) from Germany (Berlin), Schüppel collection, presumed lost.

Redescriptions of species: Šilhavý (1956a: 241-243, figs. pp. 169, 234-235); Spoek (1963: 23-26, figs. pp. 49, 51); Starega (1976a: 143-146); Martens (1978: 287-290); Hillyard and Sankey (1990: 86-87).

***Parascleropilio* Rambla, 1975**

Rambla 1975b: 111. Phalangiinae

M.; G. para "beside" + *Scleropilio*.

TYPE by original designation: *Parascleropilio fernandezi* Rambla, 1975 (Rambla 1975b: 111-117).

Type(s) from Canary Isls. (Tenerife) at IBAZ (No. 1.126, 1.127).

Redescriptions: Starega (1984), of genus (pp. 51-52) and species (pp. 52-53).

***Parasclerosoma* Roewer, 1915**

Roewer 1915b: 139. Sclerosomatinae

N.; G. para "beside" + *Sclerosoma*.

Junior subjective synonym of *Homalenotus* C. Koch, 1839: by Grasshoff (1959: 283) and Kraus (1959b: 300); the former was published one day earlier!

TYPE by monotypy: *Parasclerosoma armatum* Roewer, 1915 (Roewer 1915b: 139-140).

Type(s) from Portugal at SMF (RI/11/1180).

***Paratamboicus* Mello-Leitão, 1940**

Mello-Leitão 1940: 97. Gargrellinae

M.; G. para "beside" + *Tamboicus*.

TYPE by original designation: *Paratamboicus bicornutus* Mello-Leitão, 1940 (Mello-Leitão 1940: 97).

Type(s) from Brasil (Rio de Janeiro state) at MNRJ (273) (Soares 1945: 390).

***Paraumbogrella* Suzuki, 1963**

Suzuki 1963: 97. Gargrellinae

F.; G. para "beside" + *Umbogrella*.

TYPE by original designation: *Paraumbogrella huzitai* Suzuki, 1963 (Suzuki 1963: 97-101).

Junior subjective synonym of *Gagrella pumilio* Karsch, 1881 (Karsch 1881: 36): by Suzuki (1985a: 56-57).

Type(s) of *P. huzitai* from Japan at ZLHU; of *G. pumilio* from Japan at ZMB (3507).

***Parazacheus* Lerma, 1952**

Lerma 1952: 7-8. Phalangiinae

M.; G. para "beside" + *Zacheus*.

Junior subjective synonym of *Dasylobus* Simon, 1878: implied by Chemini (1989: 98), but first stated herein. Chemini synonymized the type species (see below) but did not mention synonymy of the genus. Consequently also **junior subjective synonym** of *Eudasylobus* Roewer, 1911 (q.v.), and *Euplatybunus* Roewer, 1912 (q.v.).

TYPE by monotypy: *Parazacheus pollinensis* Lerma, 1952 (Lerma 1952: 8-10).

Junior subjective synonym of *Opilio Graniferus* Canestrini, 1871 (Canestrini 1871: 382-383): by Chemini (1989: 98); *O. graniferus* was therein transferred to *Dasylobus*.

Type(s) of *P. pollinensis* from Italy, depository

not stated, perhaps Museo di Zoologia della Università di Napoli; not found by Chemini (1989); of *O. graniferus* from Italy at MZUP (Canestrini coll. No. 629), lectotype designated by Chemini (1986: 124).

***Parodiellus* Roewer, 1923**

Roewer 1923: 723. Oligolophinae

M.; G. para "beside" + *Odiellus*.

Unjustified replacement (*nomen novum*) for *Strandibunus* Roewer, 1912, q.v. Roewer wrongly supposed that *Strandibunus* was invalid because it is "objectionable" in form according to the 1905 ICZN, Art. 8, recommendation "zeta" (the 1985 ICZN equivalent is Appendix D.15). As Strand (1928a, b) pointed out, Roewer was highly selective in applying this provision, chiefly using it to rename genera previously named after Strand!

Junior objective synonym of *Strandibunus* Roewer, 1912: by Strand (1928a: 55, 1928b: 42); thus, also **junior subjective synonym** of *Mitopus* Thorell, 1876: by Martens (1978: 345).

***Parodontosoma* Šilhavý, 1965**

Šilhavý 1965: 375. Phalangiinae

N.; G. para "beside" + *Odontosoma*.

Junior subjective synonym of *Metaphalangium* Roewer, 1911: by Starega (1984: 35).

Current synonyms: see *Odontosoma*.

TYPE by original designation: *Lacinius denticulatus* Roewer, 1923 (Roewer 1923: 742-743).

Junior subjective synonym of *Phalangium albounilineatum* Lucas, 1846 (Lucas 1846: 284-285, pl. 18 fig. 10): by Starega (1984: 33, 35).

Type(s) of *L. denticulatus* from Algeria at SMF (RII/489/19), of *P. albounilineatum* from Algeria presumably at MNHN, but one syntype at SMF, RI/7/682 (Roewer 1956: 270, Starega 1984: 35).

Redescription of species, sub *Metaphalangium*: Starega (1984: 33-35).

***Paroligolophus* Lohmander, 1945**

Lohmander 1945: 20. Oligolophinae

M.; G. para "beside" + *Oligolophus*.

Proposed as subgenus of *Oligolophus*; raised to genus by Spoek (1963: 58).

Junior subjective synonym of *Lophopilus* Hadži, 1931: by Šilhavý (1956a: 217). **Synonymy disclaimed**: by Spoek (1963: 58).

TYPE by monotypy: *Opilio agrestis* Meade, 1855 (Meade 1855: 410).

Type(s) from England and Wales, presumed lost.

Redescriptions of genus: Spoek (1963: 58); Starega (1976a: 123); Martens (1978: 316). Of species: Lohmander (1945: 26-29); Šilhavý (1956a: 217-218, figs. pp. 204-205); Spoek (1963: 58-60, figs. pp. 25, 37, 40, 42); Starega (1976a: 123-126); Martens (1978: 316-320); Hillyard and

Sankey (1990: 66-67).

Paropilio Roewer, 1911

Roewer 1911b: 48-49. Phalangiinae
M.; G. para "beside" + *Opilio*.

Junior objective synonym of *Metaphalangium*
Roewer, 1911: by Staręga (1984: 42), previously
suggested by Staręga (1967: 58).

Current synonyms: *Apozacheus*, *Metegaenus*,
Odontosoma, *Parodontosoma*.

TYPE by original designation: *Phalangium*
abstrusum L. Koch, 1882 (L. Koch 1882: 669-670).
Roewer (1923: 782-783) indicated that his original
concept of *P. abstrusum* was a misidentification, but
congeneric with the "real" *P. abstrusum*.

Junior subjective synonym of *Opilio cirtanus* C.
Koch, 1839 (C. Koch 1839b: 35), type of
Metaphalangium: by Staręga (1984: 42).

Type(s) of *P. abstrusum* from Spain (Balearic
Isles.) at ZMB (7917); of *O. cirtanus* from Algeria,
depository unknown.

Redescription of species: Staręga (1984: 38-42),
sub *Metaphalangium cirtanus*.

Paruleptes Soares, 1970

Soares 1970: 336. Gagrellinae
M.; locality Rio Paru de Leste + *Gonyleptes*, a
genus of suborder Laniatores from the same region.

TYPE by original designation: *Paruleptes*
coronatus Soares, 1970 (Soares 1970: 336-337,
figs. p. 331).

Type(s) from Brasil (Pará state) at MNRJ.

Pectenobunus Roewer, 1910

Roewer 1910a: 157. Gagrellinae
M.; L. pecten "comb" + G. bounos "mound."

TYPE by original designation: *Opilio*
paraguayensis Canestrini, 1888 (Canestrini 1888:
105-106, pl. 9 fig. 6).

Type(s) from Paraguay, depository unknown;
not listed from Canestrini coll. (MZUP) by Chemini
(1986).

Redescriptions of genus: Ringuet (1954: 297-
298, 1959: 237). Of species: Ringuet (1959:
237-240); Capocasale (1967: 28-31).

Pentazaleptus Roewer, 1955

Roewer 1955b: 156. Gagrellinae
M.; G. pente "five" + *Zaleptus*.

Suggested junior synonym of *Metazaleptus*
Roewer, 1912: by Suzuki (1977a: 93).

TYPE by original designation: *Pentazaleptus*
adspersus Roewer, 1955 (Roewer 1955b: 156-157,
fig. p. 161).

Type(s) from Burma at SMF (RII/7971/497).

Pergagrella Roewer, 1954

Roewer 1954b: 290. Gagrellinae
F.; L. per "through" + *Gagrella*.

TYPE by original designation: *Pergagrella*
monticola Roewer, 1954 (Roewer 1954b: 290, fig.
p. 291).

Type(s) from India (Himachal Pradesh) at SMF
(RII/7972/498).

†*Petrunkévitchiana* Mello-Leitão, 1937

Mello-Leitão 1937: 1222 note. Incertae sedis
F.; for Professor Alexander Petrunkevitch.

TYPE by original designation: *Phalangium*
oculatum Petrunkevitch, 1922 (Petrunkevitch 1922:
275-278).

Type(s) from U.S.A. (Colorado), Florissant
Formation, age Oligocene, at MCZ (No. 121).

Redescriptions: Cokendolpher and
Cokendolpher (1982), of genus (p. 1214) and
species (pp. 1214-1215).

Phalangium Linnaeus, 1758

Linnaeus 1758: 618. Phalangiinae
N.; L. "a kind of venomous spider."

Because the original Linnean *Phalangium*
contained members of the orders Thelyphonida
(Uropygi) and Phrynichida (Amblypygi), whose
formidable appearance suggested the name, as well
as the harvestman *Phalangium opilio*, there was
much confusion in the 18th century as to the
application of the name. One consequence was the
founding of the substitute name *Opilio* (now used for
another genus), which was used instead of
Phalangium by many, including the prolific Carl
Ludwig Koch. The question was essentially settled
by Latreille (1802a, 1802b, 1810).

Current synonym: *Cerastoma*.

TYPE by subsequent designation of Latreille
(1810: 425): *Phalangium opilio* Linnaeus, 1758
(Linnaeus 1758: 618-619). Latreille's listing of *P.*
opilio is a valid type designation under rulings of
the International Commission on Zoological
Nomenclature (1910, 1939). Thorell (1876a: 465)
designated as type of *Phalangium* an ineligible
species, *Phalangium parietinum* De Geer, 1778,
which is now type of *Opilio* (q.v.). Because of this,
Martens (1978: 232) suggested having the types of
both genera fixed under the ICZN plenary powers
(Art. 79). That is unnecessary; Thorell's
designation is invalid and to be disregarded, and
Latreille's action is sufficient to fix the type (ICZN
Art. 69a). Wood (1868: 16) designated as type
Phalangium cornutum Linnaeus, 1767 (Linnaeus
1767: 1028); although this is a junior synonym of
P. opilio, Wood did not state this, and *P. cornutum*
in itself is ineligible as type. Simon (1879b: 197
note) again designated *P. opilio* as type.

Curiously, Roewer (1911b: 7, 1912c: 90-91)
treated the junior name *P. cornutum* as the valid
name of *P. opilio*.

Type(s) from Europe and America, presumed lost.
Redescriptions of genus: Bishop (1949: 182);

Spoek (1963: 27-28); Starega (1976a: 136); Martens (1978: 231). Of species: Bishop (1949: 183-184, pl. 2 figs. 29-33); Šilhavý (1956a: 219-222, figs. pp. 210-211); Spoek (1963: 28-31, figs. pp. 49, 51); Starega (1976a: 136-139); Martens (1978: 232-236); Hillyard and Sankey (1990: 78-79).

Platybunoides Šilhavý, 1956

Šilhavý 1956b: 36. Platybuninae
M.; *Platybunus* + G. -oides "like."

TYPE by original designation: *Platybunoides argaea* Šilhavý, 1956 (Šilhavý 1956b: 36-37, figs. pp. 34-35). Names ending in -oides are masculine by ICZN Art. 30b, so the species name is hereby emended to *P. argaeus* as per ICZN Art. 32d.ii.

Type(s) from Turkey at NMP.

Platybunus C. Koch, 1839

C. Koch 1839b: 26. Platybuninae
M.; G. platys "wide" + G. bounos "mound."

Placed on the *Official list of genus-group names in zoology* by the International Commission on Zoological Nomenclature (1972), name number 1957.

Current synonym: *Platylophus*.

TYPE designated under the plenary powers (International Commission on Zoological Nomenclature 1972: 5-6): *Opilio Bucephalus* C. Koch, 1835 (C. Koch 1835: pl. 21 + two pp. text). For history of type fixation, see Starega (1969).

Placed on the *Official list of species-group names in zoology* by the International Commission on Zoological Nomenclature (1972), name number 2471.

Type(s) from "region of Trieste," probably in Yugoslavia (Slovenija) rather than Italy (J. Gruber, *in litt.*), depository unknown.

Redescriptions of genus: Spoek (1963: 23); Starega (1976a: 147); Martens (1978: 257). Of species: Šilhavý (1956a: 234-238, figs. p. 169); Starega (1976a: 148-151); Martens (1978: 258-261, figs. pp. 265, 267).

Platylophus C. Koch, 1839

C. Koch 1839b: 28-29. Platybuninae
M.; G. platys "wide" + G. lophos "crest."

Junior homonym of *Platylophus* Swainson, 1832 (Aves), first noted by Simon (1879b: 219), who substituted the synonym *Platybunus*.

Senior objective synonym of *Platybunus* C. Koch, 1839: by L. Koch (1869: 166). The synonymy was originally subjective. L. Koch, as first reviser (ICZN Art. 24), gave *Platylophus* C. Koch priority, but the discovery that it was preoccupied necessitated replacement by *Platybunus*.

TYPE by subsequent designation of Thorell (1876a: 464): *Opilio rufipes* C. Koch, 1836 (C.

Koch 1836: 15-16, pl. 78 fig. 174).

Junior subjective synonym of *Opilio Bucephalus* C. Koch, 1835 (C. Koch 1835: pl. 21 + two pp. text): by Roewer (1911b: 65). *O. bucephalus* is type of *Platybunus*.

Type(s) of *O. rufipes* from Germany, depository unknown, not at NMW as wrongly stated by Roewer (1911b: 65) (J. Gruber, *in litt.*); of *O. bucephalus* probably from Yugoslavia (see *Platybunus*), depository unknown.

Plesioballarra Hunt and Cokendolpher, 1991
Hunt and Cokendolpher 1991: 160. Ballarrinae
F.; G. plēsios "near" + *Ballarra*.

TYPE by original designation: *Plesioballarra crinis* Hunt and Cokendolpher, 1991 (Hunt and Cokendolpher 1991: 160-163).

Type(s) from Australia (Queensland) at QM (15521).

Pokhara Suzuki, 1970

Suzuki 1970: 37. Gagrellinae
F.; locality Pokhara.

TYPE by original designation: *Pokhara lineata* Suzuki, 1970 (Suzuki 1970: 37-40, pl. 2 fig. A).

Type(s) from Nepal at ZLHU.

Revision: Martens (1987: 143-160), with redescrptions of genus (p. 143) and species (pp. 155-157, fig. p. 153).

Prionomma Loman, 1902

Loman 1902: 177-178. Gagrellinae
N.; G. priōn "saw" + G. omma (N.) "eye."

Junior homonym of *Prionomma* P. White, 1853 (Coleoptera); replaced by *Prionostemma* Pocock, 1903 (q.v.), *nomen novum*.

TYPE by subsequent designation of Roewer (1910a: 168): *Prionomma coronatum* Loman, 1902 (Loman 1902: 178, pl. 9 figs. 18, 19d).

Type(s) from Venezuela at ZIZM and SMF. ZIZM records show all 10 original syntypes there, but only 3 are extant (Weidner 1959: 128); 3 other syntypes, miscalled paratypes, are at SMF, RI/4/559 (Roewer 1953a: 219).

Redescription of genus (sub *Prionostemma*): Ringuet (1959: 240). Revision and catalogue (likewise): Roewer (1953a: 211-242).

Prionostemma Pocock, 1903

Pocock 1903: 433. Gagrellinae
N.; G. priōn "saw" + G. stemma (N.) "wreath."

Valid replacement (*nomen novum*) for *Prionomma* Loman, 1902, preoccupied (q.v.).

Prodentobunus Roewer, 1923

Roewer 1923: 948. Gagrellinae
M.; G. pro "before" + *Dentobunus*.

TYPE by monotypy: *Dentobunus unispinosus* Roewer, 1912 (Roewer 1912b: 32-33).

Type(s) from China (Hainan Isl., Gulf of Tongking) at SMF (RI/3/73).

***Promarthana* Roewer, 1955**

Roewer 1955a: 86-87. *Gagrellinae*
F.; G. pro "before" + *Marthana*.

Proposed for *Marthana* (q.v.) in the incorrect sense of Roewer's (1910a: 90) designation of an ineligible type species.

Junior subjective synonym of *Marthana* Thorell, 1891: by Suzuki (1977a: 75-76).

Current synonyms: *Marthanessa*, *Marthanola*.

TYPE by original designation: *Marthana cuspidata* Loman, 1892 (Loman 1892: 12, pl. 1 fig. 4).

Type(s) from Indonesia (Java) at ZMA.

***Prosalpia* L. Koch, 1872**

L. Koch 1872: 328. *Dicranopalpus* group
F.; G. prosalpeios "near the Alps."

Valid replacement (nomen novum) for *Liodes* L. Koch, 1869, preoccupied (q.v.).

Junior objective synonym of *Dicranopalpus* Doleschal, 1852: by Simon (1881: 88).

Current synonyms: *Dichranochirus*, *Fagea*, *Egaenasser*.

***Prosclerosoma* Roewer, 1915**

Roewer 1915b: 138. *Sclerosomatinae*
N.; G. pro "before" + *Sclerosoma*.

Junior objective synonym of *Metasclerosoma* Roewer, 1912: implied by Marcellino (1983: 337-339), but first stated herein. Marcellino synonymized the type species (see below) but did not mention synonymy of the genus.

TYPE by monotypy: *Prosclerosoma insignum* Roewer, 1915 (Roewer 1915b: 138-139).

Junior subjective synonym of *Sclerosoma sardum* Thorell, 1876 (Thorell 1876a: 501-502): by Marcellino (1983: 337-339). *Sclerosoma sardum* is the type of *Metasclerosoma*.

Type(s) of *P. insignum* from Italy (Sardinia) at SMF (RI/11/1179); of *S. sardum* from Italy (Sardinia) at MSNG.

***Protolophus* Banks, 1893**

Banks 1893b: 206. *Protolophinae*
M.; G. prôtos "first" + G. lophos "crest."

See "Family Classification," p. 4, subfamily account, p. 10, and Cokendolpher (1985: 399) for discussion of family placement.

TYPE by subsequent designation of Roewer (1910a: 263): *Protolophus tuberculatus* Banks, 1893 (Banks 1893b: 206-207).

Type(s) from U.S.A. (California) at MCZ; 2 syntypes at SMF, RI/5/170 (Roewer 1957: 356).

Revision (inadequate): Goodnight and Goodnight (1942a: 1-7), with redescrptions of genus (p. 1) and species (pp. 5-7).

***Psammogeaya* Mello-Leitão, 1946**

Mello-Leitão 1946: 2. *Gagrellinae*
F.; G. psammos "sand" + *Geaya*.

TYPE by original designation: *Psammogeaya arenata* Mello-Leitão, 1946 (Mello-Leitão 1946: 2-3).

Type(s) from Uruguay at MVM.

Redescription of species: Capocasale (1967: 31-32), with correction of type locality (p. 32).

***Psathyropus* L. Koch, 1878**

L. Koch 1878: 785. *Gagrellinae*
M.; G. psathyros "friable" + G. pous "foot."

Junior subjective synonym of *Gagrella* Stoliczka, 1869: by Roewer (1923: 952).

Synonymy disclaimed: by Suzuki (1973: 250). Suzuki placed under *Psathyropus* the junior name *Metagagrella* Roewer, 1910, but continued (without comment) to use *Metagagrella* for the included species. Suzuki may have intended to reject the long unused name *Psathyropus* under ICZN Article 23b, then in force, but did not state so; under the current articles 23b and 79c.2(iv), *Psathyropus* is valid.

Current synonym: *Metagagrella*.

TYPE by monotypy: *Psathyropus tenuipes* L. Koch, 1878 (L. Koch 1878: 785-786). Declared "spec. spur." by Roewer (1923: 1088).

Redescription of species: Suzuki (1973: 250-255, pl. 2 fig. 7). For redescrptions of genus see *Metagagrella*.

Type(s) from Japan at NMW (Arach. coll., no. 3453).

***Pseudarthromerus* Karsch, 1892**

Karsch 1892: 308. *Gagrellinae*
M.; G. pseudês "false" + G. arthron "joint" + G. meros "part, division." G. meros is N. but Karsch changed the ending to L. -us, M.

Roewer (1910a: 15) mis-cited the date as 1881 and dismissed the taxon as "species pullus." By the description, it fits into the tribe Zaleptini near Roewer's genera *Orissula* and *Zaleptanus*.

TYPE by monotypy: *Pseudarthromerus spurius* Karsch, 1892 (Karsch 1892: 308, pl. 12 fig. 31).

Type(s) from Sri Lanka at ZMB, no. 8059 (Moritz 1971: 210).

***Pseudastrobunus* Martens, 1973**

Martens 1973: 212. *Sclerosomatinae*
M.; G. pseudês "false" + *Astrobunus*.

TYPE by original designation: *Pseudastrobunus perpusillus* Martens, 1973 (Martens 1973: 212-213).

Type(s) from Nepal at SMF (28269).

***Pseudogagrella* Redikorzev, 1936**

Redikorzev 1936: 48-49. *Gagrellinae*
F.; G. pseudês "false" + *Gagrella*.

Placed in Gagrellinae by its author, this genus was transferred to Leiobuninae by Roewer (1954a: 181-182) and Suzuki (1971: 203). Most characters warrant placement in Gagrellinae; I hold that the presence or lack of femoral false articulations ("nodules") means little in itself.

Current synonym: *Argyaster*.

TYPE by original designation: *Pseudogagrella sinensis* Redikorzev, 1936 (Redikorzev 1936: 49-51).

Type(s) from China probably at ZIL.

Revisions: Wang (1941: 97-102), Chinese spp. with redescription of genus (pp. 97-98); Suzuki (1971: 204-208), Japanese spp.; Suzuki (1977b: 140-149, figs. pp. 156-157), Taiwan spp.

Pseudohomalenotus Caporiacco, 1935
Caporiacco 1935: 249. Sclerosomatinae

M.; G. pseudês "false" + *Homalenotus*.

TYPE by monotypy: *Pseudohomalenotus bicornutus* Caporiacco, 1935 (Caporiacco 1935: 249-250, pl. 7 fig. 7).

Type(s) from Pakistan/Kashmir (Karakoram Mts.), depository unknown.

Pseudoliobunum Müller, 1914
Müller 1914: 95. Leiobuninae

N.; G. pseudês "false" + *Liobunum*.

Junior subjective synonym of *Leiobunum* C. Koch, 1839: by Suzuki (1976: 192-193).

Current synonym: *Metaliobunum*.

TYPE by monotypy: *Pseudoliobunum japonense* Müller, 1914 (Müller 1914: 95).

Type(s) from Japan at SMF (2141).

Redescription of species (sub *Leiobunum japonense japonense*): Suzuki (1976: 199-202, figs. p. 249).

Pseudomelanopa Suzuki, 1974
Suzuki 1974: 141. Gagrellinae

F.; G. pseudês "false" + *Melanopa*.

TYPE by original designation: *Pseudomelanopa taiwana* Suzuki, 1974 (Suzuki 1974: 141-144).

Type(s) from Taiwan at ZLHU.

Redescription of species: Suzuki (1977b: 140, figs. p. 139).

Pseudosystenocentrus Suzuki, 1985
Suzuki 1985b: 212-213. Gagrellinae

M.; G. pseudês "false" + *Systenocentrus*.

TYPE by original designation:

Pseudosystenocentrus foveolatus Suzuki, 1985 (Suzuki 1985b: 213-214).

Type(s) from Thailand at ZMUC.

Pygobunus Roewer, 1957
Roewer 1957: 337-338. Sclerosomatinae

M.; G. pygê "rump" + G. bounos "mound."

TYPE by original designation: *Pygobunus*

formosanus Roewer, 1957 (Roewer 1957: 338, figs. p. 333).

Type(s) from Taiwan at SMF (RII/2800/10).

Redescription of genus: Tsurusaki (1983: 237-238).

Rafalskia Staręga, 1963
Staręga 1963: 289. Platybuninae
F.; arachnologist Dr. Jan Rafalski.

Proposed as subgenus of *Paropilio*; raised to genus by Šilhavý (1965: 397).

TYPE by original designation: *Paropilio (Rafalskia) bulgaricus* Staręga, 1963 (Staręga 1963: 289-292, figs. on 2 unnumbered plates).

Junior subjective synonym of *Platybunus strigosus olympicus* Kulczyński, 1903 (Kulczyński 1903: 667-673, fig. 40 on unnumbered plate): by Staręga (1976b: 393).

Type(s) of *Paropilio (R.) bulgaricus* from Bulgaria at BAN; of *Platybunus strigosus olympicus* from Turkey ("Olympus Bithynicus") at NMW (Arach. coll., no. 11.701).

Redescriptions of genus: Šilhavý (1965: 397); Staręga (1976b: 392-393). Of species: Šilhavý (1965: 397-400), sub *R. bulgarica*; Staręga (1976b: 393-396), sub *R. olympica*.

Ramblinus Staręga, 1984
Staręga 1984: 55-56. Phalangiinae
M.; arachnologist Dra. María Rambla.

TYPE by original designation: *Dasylobus spinipalpis* Roewer, 1911 (Roewer 1911b: 52-53).

Type(s) from Madeira at SMF (RI/9/614).

Redescription of species: Staręga (1984: 55-56).

Rhampsinitus Simon, 1879
Simon 1879a: lxxii. Phalangiinae
M.; G. Rhampsinitos, name of an Egyptian pharaoh who (in the account of Herodotus) preceded Cheops.

TYPE by monotypy: *Rhampsinitus Lalandei* Simon, 1879 (Simon 1879a: lxxii-lxxiii).

Type(s) from "Cafrerie" or "Kaffernland" (southern Africa) at MNHN, lost (A. Muñoz-Cuevas, *in litt.*).

Redescriptions of genus: Lawrence (1931: 475-476); Kauri (1961: 147-148). Revisions of *S. African* spp.: Lawrence (1931: 475-502); Kauri (1961: 147-175), with catalog of all spp. and good illustrations. Catalog of species with new descriptions: Staręga (1984: 56-68).

Rilaena Šilhavý, 1965
Šilhavý 1965: 400-401. Phalangiinae
F.; probably from locality Rila Planina (Bulgaria).

Rilaena, hitherto placed in Phalangiinae (Staręga 1973a: 143), may belong in Platybuninae as is certainly the case with its "synonym"

Paraplatybunus (q.v.).

Current synonym: *Paraplatybunus* (but q.v.).

TYPE by original designation: *Rilaena balcanica* Šilhavý, 1965 (Šilhavý 1965: 401-403).

Type(s) from Bulgaria at MMB (W. Staręga, *in litt.*).

Redescriptions of genus: Staręga (1973a: 143, 1976a: 143), Martens (1978: 287).

***Roeweriolus* Kolosváry, 1933**

Kolosváry 1933: 310-312. Sclerosomatinae

M.; C. F. Roewer + i + L. -olus, diminutive.

Junior subjective synonym of *Astrobus*

Thorell, 1876: by Šilhavý (1949: 151-155).

TYPE by monotypy: *Roeweriolus hungaricus* Kolosváry, 1933 (Kolosváry 1933: 310-312), combined genus and species description.

Junior subjective synonym of *Sclerosoma*

Meadii Thorell, 1876 (Thorell 1876a: 503-504): by Šilhavý (1956a: 164). This in turn is a **junior subjective synonym** of *Hoplites laevipes* Canestrini, 1871 (Canestrini 1871: 383-384): by Gruber (1964: 2-3). *Hoplites laevipes* is another of the Canestrini species often wrongly dated from Canestrini (1872b).

Type(s) of *R. hungaricus* from Hungary at SMF (RII/2799/9), according to Roewer (1957: 338); of *H. laevipes* from Italy, depository unknown, not in Canestrini coll. at MZUP (Chemini 1986: 123); of *S. meadii* from Austria, probably at MSNG.

Redescriptions of species (sub *Astrobus* *meadii* or *A. laevipes*): Šilhavý (1956a: 164-167, figs. p. 163); Staręga (1976a: 93-95); Martens (1978: 381-385, figs. p. 379, 388).

***Roeweritta* Šilhavý, 1965**

Šilhavý 1965: 371. Oligolophinae

F.; C. F. Roewer + -itta.

TYPE by original designation: *Lacinius carpentieri* Roewer, 1953 (Roewer 1953b: 206-207, figs. p. 203).

Type(s) from Spain at "Museum Lüttich" (Liège, Belgium), probably the Aquarium et Musée de Zoologie, Université de Liège; but of the 7 syntypes cited by Roewer (1953b: 207), 3, mislabeled paratypes, seem to be at SMF, RII/10617/132 (Roewer 1957: 331).

***Romerella* Goodnight and Goodnight, 1943**

G. & G. 1943b: 15. Gaggrellinae

F.; derivation not stated, but probably for renowned paleontologist A. S. Romer.

TYPE by original designation: *Romerella*

punctata Goodnight and Goodnight, 1943 (Goodnight and Goodnight 1943b: 15, fig. p. 19).

Type(s) from Guyana (Mt. Roraima) at AMNH.

***Rongsharia* Roewer, 1957**

Roewer 1957: 353-354.

Gyinae

F.; locality Rongshar Valley.

Originally placed in Leiobuninae; transferred to Gyinae by Martens (1982: 313).

TYPE by original designation: *Rongsharia singularis* Roewer, 1957 (Roewer 1957: 354, fig. p. 333).

Type(s) from Tibet (Mt. Everest) at SMF (RII/2121/38).

Revision: Martens (1982: 316-332), with redescrptions of genus (pp. 316-317) and species (pp. 317-324, figs. pp. 325, 330).

***Ruandella* Roewer, 1956**

Roewer 1956: 311.

Phalangiinae

F.; country Rwanda + L. -ella, diminutive.

Junior subjective synonym of *Odontobunus* Roewer, 1910: by Staręga (1984: 45, 51).

TYPE by original designation: *Ruandella coronata* Roewer, 1956 (Roewer 1956: 311, figs. p. 315).

Junior subjective synonym of *Ruandella nigra* Roewer, 1956 (Roewer 1956: 311-312, figs. p. 315): by Staręga (1984: 50). As first reviser under ICZN Art. 24, Staręga gave *R. nigra* priority over *R. coronata*.

Type(s) of *R. coronata* from Rwanda at SMF (RII/2839/126); of *R. nigra* from Tanzania at SMF (RII/9490/315).

Brief redescription (sub *Odontobunus niger*): Staręga (1984: 50).

***Sarasinia* Roewer, 1913**

Roewer 1913: 83.

Gagrellinae

F.; collectors Paul and Fritz Sarasin.

TYPE by monotypy: *Sarasinia punctata* Roewer, 1913 (Roewer 1913: 83-84).

Type(s) from Indonesia (Celebes) at NMB (16a).

***Sataria* Roewer, 1915**

Roewer 1915a: 107.

Gagrellinae

F.; Satar District of India.

TYPE by subsequent designation of Roewer (1955a: 119): *Sataria maculata* Roewer, 1915 (Roewer 1915a: 108).

Type(s) from India, originally at ZSI; Roewer (1915a: 108) cited 10 syntypes there. However, Roewer (1955a: 119) listed "many" types at ZSI and 10 additional "paratypes" at SMF, RI/3/1012, and Weidner (1959: 129) cited 2 more "paratypes" at ZIZM! Not all of these can refer to genuine types.

***Schenkeliobunum* Staręga, 1964**

Staręga 1964: 408-409.

Leiobuninae

N.; Ehrenfried Schenkel + *Liobunum*.

Valid replacement (*nomen novum*) for *Thrasychiroides* Schenkel, 1963, preoccupied (q.v.).

Scleropilio Roewer, 1911
 Roewer 1911b: 31-32. Opilioninae
 M.; G. sklêros "hard" + *Opilio*.
 Current synonym: *Scutopilio*.
TYPE by original designation: *Scleropilio coriaceus* Roewer, 1911 (Roewer 1911b: 32-33).
 Type(s) probably from U.S.S.R. (Kazakhstan) at SMF (RI/9/603).
 Redescription of type species: Gritsenko (1980: 554-556). For revision see *Scutopilio*.

Sclerosoma Lucas, 1858
 Lucas 1858: 491. Sclerosomatinae
 N.; G. sklêros "hard" + G. sôma "body."
Unjustified replacement (*nomen novum*) for *Homalenotus* C. Koch, 1839, q.v. Lucas wrongly believed *Homalenotus* preoccupied by *Homalinotus* Schoenherr, 1826 (Coleoptera), because both names had been emended to *Homalonotus* by Agassiz (1846: 184, unjustified emendations). There is a previous use of *Homalonotus* in Trilobita by Koenig, 1825.

Junior objective synonym of *Homalenotus* C. Koch, 1839. I am not certain who first proposed this synonymy. Roewer (1923: 699) resurrected *Homalenotus* from its false homonymy, but Roewer (1923: 702, 1957: 338) attempted to maintain usage of *Sclerosoma* by dating it wrongly from Simon (1879b) and restricting it to an Algerian species of Lucas!

Current synonym: *Parasclerosoma*.

Scotomenia Thorell, 1889
 Thorell 1889: 664-665. Gagrellinae
 F.; G. skotomênios "in the dark of the moon."
TYPE by original designation: *Scotomenia cetrata* Thorell, 1889 (Thorell 1889: 665-667).
 Type(s) from Burma: 4 syntypes, miscalled paratypes, at ZIZM (Weidner 1959: 129) and 2 at SMF, RI/2/151 (Roewer 1955a: 96); the rest are assumed to be at RMS and MSNG.

Scutopilio Roewer, 1956
 Roewer 1956: 312. Opilioninae
 M.; L. scutum "shield" + *Opilio*.
Junior subjective synonym of *Scleropilio* Roewer, 1911: by Starega (1978: 228) and Gritsenko (1980: 553-554).
TYPE by original designation: *Scutopilio tibialis* Roewer, 1956 (Roewer 1956: 312-313, figs. p. 315).
 Type(s) from U.S.S.R. (Uzbekistan) at SMF (RII/2825/112).

Revision: Gritsenko (1975: 668-672 [132-135 in transl.]), with redescription of genus (p. 668 [132]) and species (pp. 668-669 [132-133]).

Sericicorpus Martens, 1987
 Martens 1987: 176. Gagrellinae

N.; G. sêrikos "silken" + L. corpus (N.) "body."
TYPE by original designation: *Sericicorpus nigrum* Martens, 1987 (Martens 1987: 176-177, figs. pp. 175, 178).
 Type(s) from Nepal at SMF (33693).

Simplicibunus Ringuelet, 1953
 Ringuelet 1953b: 259. Gagrellinae
 M.; L. simplex "simple" + G. bounos "mound."
Junior objective synonym of *Holmbergiana* Mello-Leitão, 1931: by Capocasale (1967: 22-23).
TYPE by original designation: *Simplicibunus delicatus* Ringuelet, 1953 (Ringuelet 1953b: 259-262).

Junior subjective synonym of *Opilio weyenberghii* Holmberg, 1876 (Holmberg 1876: page uncertain): by Capocasale (1967: 25). *Opilio weyenberghii* is type of *Holmbergiana*.
 Type(s) from Argentina at MLP (24326).
 Redescriptions: Ringuelet (1959), of genus (p. 242) and species (pp. 242-244). For more, see *Holmbergiana*.

Sinadroma Roewer, 1955
 Roewer 1955b: 158. Gagrellinae
 F.; neo-Latin sinicus "Chinese" + G. dromas "running."
TYPE by original designation: *Sinadroma sherriffsi* Roewer, 1955 (Roewer, 1955b: 159, fig. p. 161).
 Type(s) from Hong Kong at SMF (RII/3231/310).

Spinicrus Forster, 1949
 Forster 1949: 63. Megalopsalidinae
 N.; L. spina "thorn" + L. crus (N.) "shin."
TYPE by original designation: *Pantopsalis tasmanica* Hogg, 1910 (Hogg 1910: 279-280).
 Type(s) from Tasmania at BMNH.
 Revision: Hickman (1957: 73-78), with redescription of genus (p. 73) and species (pp. 73-75).

Stankiella Hadži, 1973
 Hadži 1973: 80-81; 114. Platybuninae
 F.; collector Stanko Karaman + L. -ella, diminutive.
TYPE by original designation: *Stankiella montana* Hadži, 1973 (Hadži 1973: 81-82; 114).
 Type(s) from Yugoslavia, presently at NMW, later will be deposited at PMS (T. Novak and J. Gruber, *in litt.*).

Strandia Roewer, 1910
 Roewer 1910b: 177. Gagrellinae
 F.; Prof. Dr. Embrik Strand.
Valid replacement (*nomen novum*) for *Maindronia* Roewer, 1910, preoccupied (q.v.).

***Strandibunus* Roewer, 1912**

Roewer 1912c: 54-55. Oligolophinae
M.; (Embrik) Strand + G. bounos "mound."

Junior subjective synonym of *Mitopus* Thorell, 1876: by Martens (1978: 345).

Current synonym: *Parodiellus*.

TYPE by original designation: *Opilio glacialis* Heer, 1845 (Heer 1845: 13-14, unnumbered plate figs. 2, 2a). C. Koch (1847: 48-50, pl. 555 fig. 1533) redescribed the species without clearly attributing it to Heer, and has usually been wrongly cited as its author. Martens (1978: 351) discovered Heer's earlier work. The C. Koch description is correctly dated from 1847 (Sherborn 1914), not 1849 as stated by Martens.

Junior subjective synonym of *Opilio obliquus* C. Koch, 1839 (C. Koch 1839b: 33): by Roewer (1912c: 55, 1923: 723). Curiously, when Roewer first stated this synonymy (1912c), he kept *O. glacialis* as valid name. **Synonymy disclaimed:** by Martens (1978: 351), who referred *O. obliquus* to *Metaplathybunus*.

Type(s) of *O. glacialis* from Switzerland, depository unknown; of *O. obliquus* from Greece, depository unknown. Neither type is at NMW as wrongly stated for both by Roewer (1912c: 55-56) (J. Gruber, *in litt.*).

Redescriptions of species: Marcellino (1972: 614-616), as *Strandibunus glacialis*; Martens (1978: 351-355), as *Mitopus glacialis*.

***Syleus* Thorell, 1876**

Thorell 1876b: 112 note, 114. Gagrellinae
M.; G. mythology, a king of Aulis killed by Hercules.

Valid replacement (*nomen novum*) for *Acanthonotus* C. Koch, 1839, preoccupied (q.v.).

***Symphathica* Mello-Leitão, 1933**

Mello-Leitão 1933: 101. Gagrellinae
F.; G. sympatheia "sympathy."

Junior subjective synonym of *Tamboicus* Roewer, 1912: by Mello-Leitão (1938: 337). **Synonymy disclaimed:** by Ringuet (1953a: 39).

TYPE by monotypy: *Symphathica bisignata* Mello-Leitão, 1933 (Mello-Leitão 1933: 101-102, figs. 5-6 on unnumbered plate. Figure legend: *Symphathica inermis*).

Junior subjective synonym of *Tamboicus silvicolus* Mello-Leitão, 1932 (Mello-Leitão 1932: 71-72): by Mello-Leitão (1938: 337).

Type(s) of both species from Brasil (Rio de Janeiro) at MNRJ. The catalog numbers are cited by Mello-Leitão as 26912 for *S. bisignata* and 14133 for *T. silvicolus*; by Soares (1945: 391) as 41930 for *S. bisignata* and 16133 for *T. silvicolus*.

Redescriptions of genus: Ringuet (1953a: 39, 1954: 301-302, 1959: 245).

***Syngagrella* Roewer, 1913**

Roewer 1913: 81. Gagrellinae
F.; G. syn "with" + *Gagrella*.

TYPE by monotypy: *Syngagrella bistriata* Roewer, 1913 (Roewer 1913: 81-82).

Type(s) from Indonesia (Celebes) at NMB (14a).

***Systemocentrus* Simon, 1886**

Simon 1886: 164-165. Gagrellinae
M.; G. syn "with" + G. stenos "narrow" + G. kentron "point."

Current synonym: *Oncobunus*.

TYPE by monotypy: *Systemocentrus quinquedentatus* Simon, 1886 (Simon 1886: 165).

Type(s) from Thailand at MNHN.

Revision (Japanese spp.): Suzuki and Tsurusaki (1981: 274-280).

***Tamboicus* Roewer, 1912**

Roewer 1912d: 157-158. Gagrellinae
M.; locality Tambo.

TYPE by monotypy: *Tamboicus fuhrmanni* Roewer, 1912 (Roewer 1912d: 158).

Type(s) from Colombia at "Museum Neuchâtel" (possibly Neuchâtel Université, Institute de Zoologie). However, Roewer (1912d: 158) mentioned only 1 female and 2 juvenile syntypes, while Roewer (1953a: 254) cited a female "paratype" (syntype) at SMF, RI/4/992, and "several" female "types" at "Museum Neuchâtel"! One of these records must be spurious.

Redescription of genus: Ringuet (1953a: 39).

***Taperina* Roewer, 1953**

Roewer 1953a: 250. Gagrellinae
F.; locality "Taperina bei Santarem."

TYPE by original designation: *Taperina nigripes* Roewer, 1953 (Roewer 1953a: 250).

Type(s) from Brasil (Pará) at SMF (RII/1629/173).

***Tchapinius* Roewer, 1929**

Roewer 1929b: 2. Phalangiinae
M.; locality Tchapina.

First placed in Leptobuninae; transferred to Phalangiinae by Cokendolpher (1985: 398). If, as stated by Cokendolpher, *Tchapinius* is similar to *Mitopus*, it may belong in Oligolophinae.

Tschapinius (Roewer 1957: 356) is not an available emendation, but an incorrect subsequent spelling (ICZN Art. 33).

TYPE by monotypy: *Tchapinius malaisei* Roewer, 1929 (Roewer 1929b: 2-3).

Type(s) from U.S.S.R. (Kamchatka) at NRS (2 adult and 2 juvenile syntypes), according to Roewer (1929b: 3), but Roewer (1957: 356) cited 2 adult "types" at SMF, RII/1281/3. If this is correct, the original type depository has only the 2 juveniles.

***Tetraceratobunus* Roewer, 1915**

Roewer 1915b: 150-151. *Gagrellinae*
M.; G. tessares (combining form tetra-) "four" +
Ceratobunus.

TYPE by monotypy: *Tetraceratobunus lineatus*
Roewer, 1915 (Roewer 1915b: 151).

Type(s) from India at SMF (RI/3/1167).

***Thrasychiroides* Soares and Soares, 1947**

Soares and Soares 1947: 82. *Enantiobuninae*
M.; *Thrasychirus* + G. -oides "like."

Placed originally in *Leiobuninae*; tentatively
placed in *Neopilionidae* by Cokendolpher (1984b:
472) and subsequently confirmed (J. Cokendolpher,
in litt.).

TYPE by original designation: *Thrasychiroides*
brasilicus Soares and Soares, 1947 (Soares and
Soares 1947: 82-84).

Type(s) from Brasil (Paraná) in private
collection of Dr. Carlos Nicolau Gofferjé,
Blumenau, Santa Catarina, Brasil (confirmed by
J. Cokendolpher, *in litt.*).

***Thrasychiroides* Schenkel, 1963**

Schenkel 1963: 488. *Leiobuninae*
M.; *Thrasychirus* + G. -oides "like."

Junior homonym of *Thrasychiroides* Soares and
Soares, 1947 (Phalangida); replaced by
Schenkelioibunum Starega, 1964 (q.v.), *nomen*
novum.

TYPE by monotypy: *Thrasychiroides*
tuberculatus Schenkel, 1963 (Schenkel 1963: 488-
489).

Type(s) from "Lo Thoei-Tong," probably in
Vietnam (Xiao Xiaolin, *in litt.*), at MNHN.

***Thrasychirus* Simon, 1884**

Simon 1884: 142. *Enantiobuninae*
M.; G. thrasys "bold" + G. cheir "hand."

Originally placed in *Leiobuninae*; treated under
Neopilionidae by Šilhavý (1970: 175) and
Cokendolpher and Lanfranco (1985: 312).

Current synonym: *Enantiobunus*.

TYPE by subsequent designation of Ringuelet
(1959: 212): *Thrasychirus dentichelis* Simon, 1884
(Simon 1884: 142-143, pl. 3 fig. 21).

Type(s) from Chile (Hoste Isl.) at MNHN.

Redescriptions of genus: Ringuelet (1959: 212);
penis described by Hunt and Cokendolpher (1991:
134-135). Of species: Ringuelet (1959: 213-215);
Cokendolpher and Lanfranco (1985: 316-317).

***Togwoteus* Roewer, 1952**

Roewer 1952: 268. *Leiobuninae*
M.; locality Togwotee Pass (Wyoming).

Described in *Leptobuninae*; transferred to
Leiobuninae by Cokendolpher (1985: 399).

Junior subjective synonym of *Homolophus*
Banks, 1893: by Levi and Levi (1955: 32).

Synonymy disclaimed: by Cokendolpher (1987:
94).

TYPE by monotypy: *Togwoteus granipalpus*
Roewer, 1952 (Roewer 1952: 268-269).

Junior subjective synonym of *Mitopus biceps*
Thorell, 1877 (Thorell 1877: 525-528): by Levi and
Levi (1955: 32).

Type(s) of *T. granipalpus* from U.S.A.
(Wyoming) at SMF (RII/11047/14); of *M. biceps*
from U.S.A. (Idaho and Colorado) presumably at
NRS.

***Toragrella* Roewer, 1955**

Roewer 1955a: 74. *Gagrellinae*
F.; G. toreô "to bore through" + *Gagrella*.

TYPE by original designation: *Toragrella*
longipes Roewer, 1955 (Roewer 1955a: 74, fig. p.
79).

Type(s) from "Borneo: Sarinda," possibly
Samarinda, Indonesian Borneo (Kalimantan), at
SMF (RII/10246/594).

***Trachyrhinus* Weed, 1892**

Weed 1892: 529. *Gagrellinae*
M.; G. trachys "rugged" + G. rhinos "skin."

Formerly placed in *Leiobuninae* or
Leptobuninae; transferred to *Gagrellinae* by
Cokendolpher (1984b: 472).

TYPE by monotypy: *Phalangium favosum*
Wood, 1868 (Wood 1868: 28-29).

Type(s) from U.S.A. (Nebraska), presumed lost.
Neotype from U.S.A. (Nebraska) designated by
Cokendolpher (1981a: 5), at AMNH.

Revision: Cokendolpher (1981a: 1-18), with
redescriptions of genus (pp. 2-4) and species (pp. 4-
8).

***Udezatus* Nakatsudi, 1943**

Nakatsudi 1943: 110, 112-113. *Phalangiinae*
M.; Japanese ude "arm" + zato "blind man."

TYPE by original designation: *Udezatus*
spinatus Nakatsudi, 1943 (Nakatsudi 1943: 110-
112).

Type(s) from China (Manchuria) at TUA.

***Umbopilio* Roewer, 1956**

Roewer 1956: 313. *Sclerosomatinae*
M.; L. umbo "boss" + *Opilio*.

Originally placed in *Phalangiinae*; transferred to
Sclerosomatinae by Martens (1973: 211).

TYPE by original designation: *Umbopilio*
paradoxus Roewer, 1956 (Roewer 1956: 313, figs.
p. 315).

Type(s) from Burma at SMF (RII/5792/211).

***Umbogrella* Roewer, 1955**

Roewer 1955a: 114. *Gagrellinae*
F.; L. umbo "boss" + *Gagrella*.

TYPE by original designation: *Umbogrella*

minuta Roewer, 1955 (Roewer 1955a: 114-115, fig. p. 117).

Type(s) from Burma at SMF (RII/6252/446).

Varinodulia Canals, 1935

Canals 1935: 9. Gagrellinae

F.; L. vario "to vary" + L. nodulus "little knot."

Junior subjective synonym of *Tamboicus*

Roewer, 1912: by Mello-Leitão (1938: 337).

Synonymy disclaimed: by Ringuelet (1953a: 41).

TYPE by monotypy: *Varinodulia insularis*

Canals, 1935 (Canals 1935: 9-11).

Type(s) from Argentina at MACN (4545), confirmed by Galiano and Maury (1979: 323).

Redescriptions of genus: Ringuelet (1953a: 41, 1959: 247). Of species: Ringuelet (1959: 247-248).

Verpulus Simon, 1901

Simon 1901: 84. Gagrellinae

M.; L. verpa "penis" + L. -ulus, diminutive.

Junior subjective synonym of *Zaleptus* Thorell, 1876: by With (1905: 3). Synonymy ignored by Roewer (1910a: 150) and all subsequent authors.

TYPE by monotypy: *Verpulus spumatus* Simon, 1901 (Simon 1901: 84).

Type(s) from Malaysia ("Jalor: Bukit Besar") at MNHN. The name Jalor seems to be Simon's error (also cited under the type species of *Crassicippus*). It is a province in Rajasthan, India. Bukit Besar is in Pahang Province, Malaysia.

Redescription of genus: Suzuki (1978: 180-184).

Verrucobunus Roewer, 1931

Roewer 1931: 540. Gagrellinae

M.; L. verruca "wart" + G. bounos "mound."

TYPE by monotypy: *Verrucobunus trispinosus* Roewer, 1931 (Roewer 1931: 541).

Type(s) from Indonesia (Sumatra) at SMF (RII/395/36).

Vibone Kauri, 1961

Kauri 1961: 145. Ballarrinae

F.; Estonian Viboane (=Finnish Vipunen), Finno-Baltic demigod associated with hunting and fishing (H. Kauri, *in litt.*; additional data from T. Dubois, pers. comm.). Although named for a male mythological character, *Vibone* must be treated as feminine under ICZN Art. 30d.

Transferred from Neopilioninae to Ballarrinae by Hunt and Cokendolpher (1991: 142).

TYPE by original designation: *Vibone vetusta* Kauri, 1961 (Kauri 1961: 145-147).

Type(s) from South Africa at LUZM (111). The holotype should still be there (Kauri, *in litt.*), but recently could not be found (Hunt and Cokendolpher 1991: 165, 168).

Redescription of genus: Hunt and Cokendolpher

(1991: 165).

Xerogrella Martens, 1987

Martens 1987: 179. Gagrellinae

F.; G. xēros "dry" + *Gagrella*.

TYPE by original designation: *Xerogrella dolpensis* Martens, 1987 (Martens 1987: 179-181, figs. p. 175).

Type(s) from Nepal at SMF (33699).

Zachaeus C. Koch, 1839

C. Koch 1839a: 152-154. Phalangiinae

M.; a "proper name" according to Koch, perhaps from G. Zakchaïos (Zacchaeus), a Biblical character; however, easily derived from G. za- "very" + G. chaïos "genuine."

Important note: both *Egaenus* C. Koch (q.v.) and *Zachaeus*, under this spelling, were first described as part of single species descriptions (valid for genera as per ICZN Art. 12b.6) in *Die Arachniden* (C. Koch 1839a), dated March 1839. This work has priority over *Übersicht des Arachnidensystems* (C. Koch 1839b), where the genera were redescribed, which is deemed to have been published Dec. 31, 1839 under ICZN Art. 21c.ii. Roewer (1923) cited both works for both genera, but erroneously gave 1839b priority over 1839a in *Zachaeus* (while leaving 1839a with priority in *Egaenus*)! Moreover, all subsequent workers have followed Roewer in this contradictory treatment of the two genera! Rectifying this error has one unfortunate consequence: the spelling *Zacheus*, used in much literature, must be rejected in favor of *Zachaeus*, the correct original spelling (ICZN Art. 32b) used by C. Koch (1839a).

Junior subjective synonym of *Egaenus* C. Koch, 1839: by L. Koch (1869: 165) and Simon (1879a: lxxi, and elsewhere). Synonymy ignored by Roewer (1911b: 23) and all subsequent authors.

Current synonym: *Zacheus*.

TYPE by monotypy: *Zachaeus mordax* C. Koch, 1839 (C. Koch 1839a: 152-154, pl. 180 fig. 431), combined genus and species description. Martens (1978: 301) incorrectly stated the type to be such by Roewer's subsequent designation.

Junior subjective synonym of *Phalangium crista* Brullé, 1832 (Brullé 1832: 60, plate 28 fig. 12): by Simon (1879a: lxxi). Synonymy disclaimed: by Kulczyński (1903: 660), who placed *P. crista* in *Egaenus*. Synonymy followed by Roewer (1911b: 24) and all later authors.

Type(s) of *Zachaeus mordax* from Greece at ZMB, no. 984 (Moritz 1971: 205); of *P. crista* from Greece (Peloponnisos: Koroni), depository unknown.

Redescriptions of genus: Staręga (1976a: 139-140); Martens (1978: 301). Of species: Šilhavý (1956a: 232-235, 1965: 384-392, figs. p. 394); Martens (1978: 301-305).

Zacheus C. Koch, 1839

C. Koch 1839b: 25. Phalangiinae

M.; see *Zachaeus*.Unjustified emendation for *Zachaeus* C. Koch, 1839, q.v.Junior objective synonym of *Zachaeus* C. Koch, 1839: new synonym (herein), by ICZN Art. 33b.iii.*Zaleptanus* Roewer, 1929

Roewer 1929a: 153. Gagrellinae

M.; *Zaleptus* + L. -anus "belonging to."Suggested junior synonym of *Verpulus* Simon, 1901: by Suzuki (1978: 180).TYPE by monotypy: *Zaleptanus gravelyi*

Roewer, 1929 (Roewer 1929a: 153-154).

Type(s) from India at ZSI (1040/18); but 11 of the 33 syntypes, mislabeled paratypes, are at SMF, RII/789/69 (Roewer 1955b: 149); the original description also mentioned "cotypes" (syntypes) at the Madras Museum in India.

Zaleptiolus Roewer, 1955

Roewer 1955b: 169. Gagrellinae

M.; *Zaleptus* + i + L. -ulus, diminutive.TYPE by original designation: *Zaleptiolus laevipes* Roewer, 1955 (Roewer 1955b: 169).

Type(s) from Malaysia (Borneo: Sabah) at SMF (RII/5361/337).

Revision of Nepal spp.: Martens (1987: 163-168, figs. p. 175).

Zaleptulus Roewer, 1955

Roewer 1955b: 166. Gagrellinae

M.; *Zaleptus* + L. -ulus, diminutive.TYPE by original designation: *Zaleptulus unicolor* Roewer, 1955 (Roewer 1955b: 166-168).

Type(s) from Indonesia (Borneo: Kalimantan) at SMF (RII/3338/314).

Zaleptus Thorell, 1876

Thorell 1876b: 115-116. Gagrellinae

M.; G. za- "very" + G. leptos "thin, delicate."

TYPE by original designation: *Zaleptus trichopus* Thorell, 1876 (Thorell 1876b: 116-118). Roewer (1910a: 130) designated an ineligible species, *Zaleptus festivus* Thorell, 1889 (Thorell 1889: 611-614).

Type(s) from Malaysia (Sarawak, Borneo) at NRS.

Revision and catalogue: Roewer (1955b: 125-136, 143).

BIBLIOGRAPHIC DATA

NOTE: Since many of the following references have been difficult to find, due to excessively abbreviated or erroneous and contradictory citations, I have cited each one as fully as practicable to aid future researchers. Bibliographic details have been checked against the original in almost all cases (exceptions are annotated: "Not seen.") The exact date of publication of taxonomic publications, even within the same year, is often crucial to questions of priority; actual dates often differ from cover dates and are often cited incorrectly. Papers of 50-100 years ago were often issued as preprints long before the appearance of the full volume containing them; the preprint date is often to be found, e.g., at the head or end of the paper, as a page footer within the body of the paper, or on the volume contents page. Current scientific publications are often issued months or longer after the cover date, and this is often indicated on the back page, back cover, volume contents pages, or inside cover of a subsequent issue. To each reference below I have appended the actual publication date, where known, with the source of my information abbreviated as follows:

OFC-V, OBC-V, IFC-I, etc.: outside and inside front and back covers of volume or issue.

ICSI: inside cover of subsequent issue.

TPSI: title page of subsequent issue.

VTP, ITP: volume and issue title pages.

VTPB, ITPB: back of title pages.

VI, CP: volume index, volume contents page.

BP: back page of volume, issue, or paper.

PH: heading of paper.

SC: cover of author's separate or reprint.

PF: page footer(s) within paper.

ID: nominal issue date.

n.o.d.: not otherwise dated (if only year is known, by ICZN Art. 21c.ii date of Dec. 31 is assumed).

RUW: received, University of Washington Libraries.

RUC: received, University of California (Berkeley).

ZR: Zoological Record.

RS: Royal Society Catalogue of Scientific Papers.

OCLC: Online Computer Library Center, Dublin, Ohio.

Other external sources of information are cited as references.

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