Zootaxa 3034: 47–68 (2011)
www.mapress.com/zootaxa/

Article

ISSN 1175-5326 (print edition)
ZOOTAXA
ISSN 1175-5334 (online edition)

Addenda and corrigenda to the "Annotated catalogue of the Laniatores of the New World (Arachnida, Opiliones)"

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Abstract

Amendments are made to inconsistencies, mistakes and omissions in the catalogue of American Laniatores by Kury (2003). Discrepancies between dates given in Kury (2003) and Neave's Nomenclator and the Zoological Record are discussed. Accurate issue dates for relevant publications are used to define priorities. Etymologies are surveyed for generic names, establishing their grammatical gender, so specific names are inflected according to the provisions of the Code. Unavailable generic names are: *Messa* Sørensen, 1932, *Zarax* Sørensen, 1932, *Prasia* Sørensen, 1932, *Angistrisoma* Roewer, 1932, *Angistrisoma* Mello-Leitão, 1935, *Bunoweyhia* Mello-Leitão, 1935, *Batomites* Mello-Leitão, 1931, *Euminua* Sørensen, 1932, *Minua* Sørensen, 1932, *Ilhastygnus* Roewer, 1943, *Fonteboatus* Roewer, 1931, *Malea* Sørensen, 1932, *Chersobleptes* Sørensen, 1932 and *Jimeneziella* Avram, 1970. *Hernandria* Banks, 1909 is unavailable and must be placed as an "incorrect subsequent spelling" of *Hernandaria* Sørensen, 1884. The valid genus name is *Parahernandria* Goodnight & Goodnight, 1947 (**stat. res.**). *Zaraxolia* Strand, 1942 (**stat. res.**) is revalidated from the synonymy of *Neocynorta* Roewer, 1915 with *Zarax devians* Sørensen, 1932 as type species. *Friburgoia* Mello-Leitão, 1932 [December] is deemed a junior subjective synonym of *Schenkelibunus* Strand, 1932 [September] (**stat. res.**) (inverted precedence between synonyms). *Liops* Mello-Leitão, 1940 (non Fieber, 1870, nec Gidley, 1906) is a junior homonym and is replaced by its first available synonym, *Corcovadesia* Soares & Soares, 1954 (**stat. res.**). The following unavailable generic names are formally described as new: (1) *Jimeneziella* Kury & Alonso-Zarazaga, **gen. nov.** (type species: *Jimeneziella decui* Avram, 1973); (2) *Euminua* Kury & Alonso-Zarazaga, **gen. nov.** (type species: *Euminua brevitarsa* Sørensen, 1932). The following homonym generic names are replaced: (1) *Cranellus* Roewer 1932, with *Narcellus* Kury & Alonso-Zarazaga, **nom. nov.**, (2) *Metapachylus* Pickard-Cambridge, 1905, with *Pyropharynx* Kury & Alonso-Zarazaga, **nom. nov.**; (3) *Ovalia* González-Sponga, 1987, with *Oo* Kury & Alonso-Zarazaga, **nom. nov.**; (4) *Tiara* González-Sponga, 1987 with *Mitraia* Kury & Alonso-Zarazaga, **nom. nov.**; (5) *Limonia* González-Sponga, 1998, with *Manuelangelia* Kury & Alonso-Zarazaga, **nom. nov.** *Gonyleptes melloleitaoi* Kury & Alonso-Zarazaga, **nom. nov.** is a replacement name for *Gonyleptes curvicornis* Mello-Leitão, 1932. *Discocyrtus confusus* Kury, 2003 is unavailable, so this species is here re-described as *Discocyrtus confusus* Kury **n. sp. New combinations** are: *Parahernandria spinosa* (Banks, 1909) (from *Hernandaria*), *Schenkelibunus impar* (Mello-Leitão, 1932) (from *Friburgoia*), *Schenkelibunus perditus* (Mello-Leitão, 1927) (from *Friburgoia*), *Narcellus balthazar* (Roewer, 1932) (from *Cranellus*), *Narcellus montgomeryi* (Goodnight & Goodnight, 1947) (from *Cranellus*), *Pyropharynx gracilis* (Pickard-Cambridge, 1905) (from *Metapachylus*), *Oo spinosum* (González-Sponga, 1999) (from *Ovalia*), *Mitraia unispina* (González-Sponga, 1987) (from *Tiara*), *Manuelangelia tuberosa* (González-Sponga, 1998) (from *Limonia*), *Zaraxolia devians* (Sørensen, 1932) (from *Zarax*), *Corcovadesia hexabunus* (Mello-Leitão, 1940) (from *Liops*) and *Corcovadesia venefica* (H. Soares, 1966) (from *Liops*). The following genera of Pachylinae, which appeared in conflicting subfamilies in Kury 2003, are formally transferred to the Ampycinae: *Ampycella* Roewer, 1929, *Glysterus* Roewer, 1931, *Hernandarioides* Pickard-Cambridge, 1905, *Parahernandria* Goodnight & Goodnight, 1947 and *Hutamaia* Soares & Soares, 1977. A list of taxa described in 2003 is interpolated. A complementary list of the 2004–2009 systematic literature on the subject is given.

Key words: nomenclature, Neotropics, homonymy, synonymy, revalidation, grammatical inflection

Accepted by A. Pérez González: 16 Aug. 2011; published: 20 Sep. 2011

Introduction

In compiling the New World catalogue of Laniatores (Kury 2003a), from hereafter referred to as KC, the author inadvertently did not always strictly observe the ICZN rules. This applies specially to Article 13.3 which deals with the availability of generic names proposed without original designation of a type species after 1930. Likewise, a thorough search for homonyms has not been done, resulting in that a number of homonymies went undetected, and in some cases those homonymies brought broader consequences to the nomenclature. Also conflicting publication dates of some papers were cited in KC either wrongly or correctly, but in divergence with Neave's Nomenclator Zoologicus (abbreviated here as NN) or Zoological Record's (abbreviated here as ZR) citations, in a few cases affecting priority. After a meticulous search in libraries and consulting the publishers, correct dates of publication for relevant works are given here in the References section. Also, some formatting errors crept in and are here indicated.

This paper, therefore, provides amendments to inconsistencies, mistakes and omissions in KC. Page numbers in the text refer to KC.

In the same year of issue of KC a few new publications appeared on American Laniatores (González-Sponga 2003a-b; Kury 2003b; Mendes & Kury 2003; Pérez-González & Vasconcelos 2003; Pinto-da-Rocha & Kury 2003). As far as we know, only two relevant publications up to 2002 are not in the references of KC (Firmo & Pinto-da-Rocha 2002 and Soares & Avram, 1987).

Due to the great delay in preparing this work, while we were checking for pending data, a number of homonymies has been recently noted and corrected by Özdikmen (2006; 2008); Özdikmen & Kury (2006); Özdikmen & Demir (2008) and Villarreal & Kury (2009). Likewise two important corrections originally intended to be here, appeared elsewhere first due to some pressing demands – the precedence of Triaenonychoidea over Travunioidea (Kury & Mendes 2007) and a correction from Minuidae to Kimulidae (Pérez-González & Kury 2007).

In the references section, precise dates of issue (as much as we could determine) are given in brackets where relevant. Between 2004 and 2009 a number of systematic works appeared on American Laniatores, which are listed in the Appendix 1. Names of authors of genera/species are given, except when the text is a quote of Kury (2003a).

Results

P. 15: *Erebomaster acanthina* (Crosby and Bishop, 1924) should be corrected to *Erebomaster acanthinus* (Crosby and Bishop, 1924) and *Erebomaster flavescens coecum* (Packard, 1888) to *Erebomaster flavescens coecus* (Packard, 1888).

Remarks. Genera ending in *–master* (from Greek, "one who seeks") are masculine.

P. 16: *Theromaster brunnea* (Banks, 1902) should be replaced by *Theromaster brunneus* (Banks, 1902).

Remarks. Genera ending in *–master* (from Greek, "one who seeks") are masculine.

P. 23: *Brotasus* Roewer is wrongly dated as of 1927 in KC *contra* correctly 1928 in NN. Correct publication date of *Brotasus* (and of *B. megalobunus*) is February 1928 although nominal date is 1927.

P. 24: *Contuor* Roewer, 1963 is of neuter gender.

Remarks. There is no etymology in the original description. In Latin, this is a verb ("I watch") and, consequently, could not be available according to Art. 11.8. Since no etymology is given, it can be left as a combination of letters with no meaning (Art. 30.1.4.1.), and neuter according to its original combination with the specific epithet *novum*.

P. 24: *Jimeneziella* Avram, 1970 is an unavailable name, lacking an original type species designation (Art. 13.3.), obligatory for any genus to become available after 1930. With the former Code, the author should have been Kury, 2003, because this author gave a reference to a description and designated a type species. But with the 4th Edition of the Code, he fails to fulfil the requirements of Art. 16.1. Thence, this genus is still unavailable and must be described as a **new genus**, as follows:

Jimeneziella Kury & Alonso-Zarazaga, **new genus**
Jimeneziella Avram 1970: 3, figs. 1–3 [unavailable]; Avram 1973: 243; Kury 2003: 24.

Type species: *Jimeneziella decui* Avram, 1970. Description as provided for *Jimeneziella* by Avram (1970) and Avram (1973) (Art. 13.1.2). Gender feminine.

P. 25: *Limonia* González-Sponga, 1998 (non Meigen, 1803, Diptera; nec Agassiz, 1846; nec Carvalho, 1985, Hemiptera) should be replaced by ***Manuelangelia*** Kury & Alonso-Zarazaga, **nom. nov**. Gender feminine. With González-Sponga's permission (pers. comm., 2004). The generic name is based on González-Sponga's prename and middle name.

Remarks. This genus is a homonym and must be replaced. The type species is combined as *Manuelangelia tuberosa* (González-Sponga, 1998) **comb. nov.**

P. 27: *Pseudomitraceras* Roewer, 1912 is neuter. Consequently specific names should be inflected: *Pseudomitraceras brasiliens**e*** Roewer, 1912, *Pseudomitraceras curvat**um*** Goodnight & Goodnight, 1942a and *Pseudomitraceras minut**um*** Goodnight & Goodnight, 1942b.

Remarks. Genera ending in *–ceras*: this is Greek for "horn" and is neuter (see examples of Art. 30.1.2 of ICZN).

P. 28: *Spinolatum* Goodnight & Goodnight, 1942a seems to be Latin, unless the authors had stated the contrary. As they did not, gender should in this case be neuter, according to Art. 30.1.3. Consequently, the species should be *Spinolatum mediale* Goodnight & Goodnight, 1942a.

P. 30: The name Angelininae González-Sponga, 1987 [corrected or not to Angelinae] is permanently invalid, because the type genus, *Angela* González-Sponga, 1987 is a junior homonym (Art. 39).

P. 30: *Barlovento* González-Sponga, 1987 is masculine by application of Art. 30.2.1, being a masculine Spanish word. Consequently, *Barlovento marmorat**us*** (González-Sponga, 1981). Note that *Barlovento albapatella* González-Sponga, 1987 does not change, its specific epithet being a substantive in apposition.

P. 31: *Angela* González-Sponga, 1987: add also "(nec Lesson, 1843, Coelenterata)".

P. 32: *Phalangozea* Muñoz-Cuevas is wrongly dated as of 1975 in KC *contra* correctly 1976.

P. 34: *Zamora* Roewer is wrongly dated as of 1927 in KC *contra* correctly 1928 in NN. Correct publication date of *Zamora* (and of *Z. granulata* Roewer) is February 1928 although nominal date is 1927.

P. 35: *Bidoma* Šilhavý 1973, seemingly a Latin word consisting of *bi-* "two" and *doma* "roof", is neuter (unless Šilhavý had given another etymology, which he did not). Consequently, *Bidoma indivis**um*** Šilhavý 1973.

P. 38: The following species should be added before *Arucillus hispaniolicus*:

Arucillus armasi **Pérez-González & Vasconcelos, 2003**
Arucillus armasi Pérez-González & Vasconcelos, 2003: 135, figs 1–16 (types CZACC 3.2809, ♂ holotype; CZACC and MNRJ paratypes).

Type locality. REPÚBLICA DOMINICANA. LA VEGA. La Nevera, Valle Nuevo, Constanza.

P. 39: *Cocholla* Roewer is wrongly dated as of 1927 in KC *contra* correctly 1928 in NN. Correct publication date of *Cocholla* (and of *C. simoni* Roewer) is February 1928 although nominal date is 1927.

P. 39: *Cosmetellus* Roewer is wrongly dated as of 1927 in KC *contra* correctly 1928 in NN. Correct publication date of *Cosmetellus* (and of *C. columnaris* Roewer) is February 1928 although nominal date is 1927.

P. 49: *Cynorta v-flava* González-Sponga, 1992 must be converted into *Cynorta v-flav**um***, since gender of alphabet letters in Latin is neuter, and *flavum* must refer to the part of the name before it.

P. 50: This is a setting mistake: *Cynortellina lineata* Roewer, 1915 should be bold and separate, as a species.

P. 50: *Cynortoides* Roewer, 1912 is feminine, as treated originally by its author (Art. 30.1.4.4). Consequently, *Cynortoides albiadspers**a*** Goodnight & Goodnight, *C. caraibic**a*** (Sørensen), *C. cuban**a** cuban**a*** (Banks), *C. cuban**a** signat**a*** Roewer, *C. marginat**a*** Goodnight & Goodnight and *C. quadrispinos**a*** Goodnight & Goodnight.

P. 53: *Denticynorta denticus* (Walker, 1928): Roewer's declension of *denticus*, a word looking like Latin, but not in any Latin dictionary, must be taken as an incorrect emendation, unless Walker stated it was an adjective or gave its etymology for us to decide. If not, it should be *Denticynorta dentic**us***. Although the name is obviously derived from dens = tooth, as a possible truncation of "denticulus", Latin rules do not apply.

P. 59: *Eucynortoides* Roewer, 1912 is feminine, as treated originally by its author (ICZN Art. 30.1.4.4). Consequently, *E. maculat**a*** Roewer and *E. parvul**a*** (Banks).

P. 67: *Messa* Sørensen, 1932 is unavailable, because it had originally no type species designated. Consequently the genus *Messa* must be adscribed to Mello-Leitão, 1933c, who was the first to provide a type species designation (*Libitia (Messa) scalaris* Sørensen, 1932) and a description (plus a reference to the original, unavailable description by Sørensen), fulfilling thus the requirements of Art. 13.1 and 13.3 of the Code. *Messatana* must stand (since Mello-Leitão's name is still a homonym of *Messa* Leach, 1817 (Hymenoptera)) even if Strand mentioned Sørensen as author, since the author's name is not a part of the scientific name (although this peculiarity should be quoted).

P. 67: *Metacynortoides* Roewer, 1912 is feminine, as treated originally by its author (Art. 30.1.4.4). Consequently, *M. bilineat**a*** Goodnight & Goodnight, *M. obscur**a** obscur**a*** (Banks), *M. obscur**a** dorsalis* Roewer, *M. roman**a*** Goodnight & Goodnight and *M. scabros**a*** (Banks).

P. 70: *Metavononoides* Roewer is wrongly dated as of 1927 in KC *contra* correctly 1928 in NN. Correct publication date of *Metavononoides* is February 1928 although nominal date is 1927.

P. 73: *Neocynorta* Roewer, 1915: The synonymy regarding *Zaraxolia* should be changed as follows:
Zaraxolia Roewer, 1947: 27 (type species *Zarax aenescens* Sørensen, 1932 by original designation) [= *Paecilaema*: Goodnight & Goodnight, 1953b] synonymy established by González-Sponga, 1992.

Remarks. *Zarax* Sørensen, 1932, was described without a type species. Thence, it is unavailable (Art. 13.3). Moreover it is a homonym (non Pascoe, 1867, Coleoptera).

Mello-Leitão (1933c: 111, 114) separated one of the original species in *Zarax* to be probably a *Neocynorta*, and described an available genus *Zarax* with type species by monotypy *Zarax devians* Sørensen, 1932 by monotypy. This genus is invalid because of homonymy as well.

However, Strand proposed in 1942 the genus *Zaraxolia* as a replacement name for *Zarax* of Sørensen (mentioning Mello-Leitão as well). So, *Zaraxolia* Strand, 1942 is available as a replacement name for *Zarax* Mello-Leitão, 1933c: 114. Its type species is the same as for the latter genus, and not *Z. aenescens* Sørensen, 1932, as mentioned in KC, following Roewer (1947).

In 1947, Roewer (p. 27) designated *Z. aenescens* Sørensen, 1932 as type species of *Zaraxolia* Strand, missing the fact that this genus already had another type species, so this designation is invalid, this not being the creation of a new genus. On p. 32, he proposed the new genus *Zaraxes* with type species *Zarax devians* Sørensen, 1932, already the type species of *Zarax* Mello-Leitão, 1933 and its replacement name *Zaraxolia* Strand, 1942.

So the real synonymies for the genera involved are:

Neocynorta Roewer, 1915
= *Neocynorta* Roewer, 1915b: 120. Type species by monotypy: *Neocynorta virescens* Roewer, 1915.
= *Zarax* Sørensen, 1932 [part: *Zarax aenescens*]. Unavailable.

Zaraxolia Strand, 1942

= *Zarax* Sørensen, 1932 [part: *Zarax devians*]. Unavailable.

= *Zarax* Mello-Leitão, 1933c: 114 (non Pascoe, 1867, Coleoptera, nec Fruhstorfer, 1914, Lepidoptera). Type species by monotypy: *Zarax devians* Sørensen, 1932. Invalid, homonym.

= *Zaraxolia* Strand, 1942: 400. Replacement name for *Zarax*. Isotypic.

= *Zaraxes* Roewer, 1947: 32. Type species by original designation: *Zarax devians* Sørensen, 1932. Invalid, objective synonym.

P. 74: *Paecilaema* Koch, 1839 is correctly used as the right spelling in KC. NN wrongly mentions that *Paecilaema* Koch, 1839b *Uebers. Arachnidens*., 2: 11 (published December), is a lapsus for *Paecilima* Koch, 1839a *Die Arachniden*, 7(5): 104 (published July), which must have priority. If this statement were correct, all species names would have to be constructed with *Paecilima* as the valid generic name. Actually Koch (1839a), used both the forms *Paecilima* (p. 104) and *Paecilaema* (p. 107). Therefore, *Paecilaema* as used in Koch (1839b), is a fixation of the correct spelling by action of the first reviser.

Paecilaema (or *Paecilima*) is neuter, the inflection in gender should be corrected with the species in: *P. acuriguens**e*** González-Sponga, *P. amazonic**um*** González-Sponga, *P. campoeliasens**e*** González-Sponga, *P. eutyp**um*** (Chamberlin) (from the latinized Greek adjective *eutypós* "that can be shaped"), *P. festiv**um*** Kury, *P. laterale* Goodnight & Goodnight and *P. oblong**um*** González-Sponga. The name *P. albantica* (Roewer) is doubtful, because it is not a Latin orthodox word, but that could be an adjective.

P. 80: *Paecilaemana* Roewer is wrongly dated as of 1927 in KC *contra* correctly 1928 in NN. Correct publication date of *Paecilaemana* (and of *P. crux* Roewer and *P. halonata* Roewer) is February 1928 although nominal date is 1927.

P. 81: *Platymessa h-inscript**um*** Mello-Leitão, 1941, since letters are neuter in Latin, and the adjective must refer to the letter, not to the genus.

P. 82: *Prasiana* Strand, 1942. The synonymy should be changed as follows:

Cynorta (*Prasia*): Sørensen, 1932: 1932: 379 (non Stål 1863, Hemiptera). Unavailable.

Prasia Mello-Leitão, 1933c: 113 (non Stål 1863). Type species *Cynorta* (*Prasia*) *fallax* Sørensen, 1932 by original designation. Invalid: junior homonym.

Prasiana Strand, 1942: 399. Replacement name. Isotypic.

Remarks. The subgenus *Prasia* included originally six species, without a designation of a type species, so the name is unavailable. When Mello-Leitão (1933c) elevated it to genus, he designated a type species, therefore erecting a new nominal genus. The homonymy was noted and corrected by Strand (1942), who mentioned mistakenly Sørensen as author of the genus.

P. 82: *Pararhauculus* Mello-Leitão is dated as of 1939 in KC *contra* 1940 in NN and ZR. Issue date is unknown, nominal date is 1939.

P. 83: *Rhauculanus* Roewer and *Rhauculus* Roewer are correctly dated as of 1928 in NN *contra* 1927 in KC. Correct publication date of *Rhauculanus* and *Rhauculus* (and of *Rhauculanus lineolatus* Roewer and of *Rhauculus insignitus* Roewer) is February 1928 although nominal date is 1927.

P. 84: *Vononana* Roewer is wrongly dated as of 1927 in KC *contra* correctly 1928 in NN. Correct publication date of *Vononana* (and of the combination *Vononana peruviana*) is February 1928 although nominal date is 1927.

P. 86: *Zaraxes* Roewer, 1947 is not the valid name for this genus, see discussion above under *Neocynorta*. The valid name is ***Zaraxolia*** Strand, 1942. Consequently, the valid combination for the species is *Zaraxolia devians* (Sørensen, 1932) **comb. nov.**

P. 86: Discosominae Pickard-Cambridge, 1904 (correctly it should have been spelled Discosomatinae) is permanently invalid because its type genus is a homonym (Art. 39).

P. 89: *Tetracyphus* Sørensen, 1932 is invalid because of homonymy: non Chevrolat, 1881, Coleoptera.

P. 90: *Angistrisoma* Roewer, 1932 was described without a type species designation and, thence, it is unavailable (Art. 13.3). Consequently:

Angistrisoma Soares & Soares, 1948b: 587 **bon. gen.** Type species by original designation: *Angistrisoma fuscum* Roewer, 1932.

= *Angistrisoma* Roewer, 1932: 338. Unavailable, no type species designation.

= *Angistrisoma* Mello-Leitão, 1935b: 96. Unavailable, no type species designation.

Gender of this genus is neuter. Consequently: *A. atrolute**um*** Roewer and *A. fusc**um*** Roewer.

P. 90: *Aucayacuella* Avram, 1983 [or, possibly, Avram & Soares, 1983] can have only one type species, not two as in KC. The designation associated with the oldest description of the genus is the valid one. However, it is not possible for now to firmly establish the precise publication dates of both papers. Avram (1983) has the nominal date April 1983, but the real date should be a few months later (O. Villarreal, pers. comm. 2009), while Avram & Soares (1983) is only dated "1983", which makes the conventional date to be December 31st. NN (*contra* Avram, 1987) gave priority to Avram & Soares, 1983 over Avram, 1983. We here assume the opposite. Because in the second paper it is said it is a new genus, we have two genera which are homonyms, and, at the same time, synonyms. The type species should be treated accordingly. A summary of the contents of the two competing descriptions is:

(1) Avram, Apr 1983 (page 12): *Aucayacuella* gen. n., type species, by monotypy: *Aucayacuella bordoni* Avram (page 12), type material: 1 ♀ holotype, 1 ♀ paratype, Cueva de Tingo Maria, Peru, 16 Apr 1974 Bordón leg.

(2) Avram & Soares, Dec 1983 (page 61): *Aucayacuella* gen. n., type species, by original designation: *Aucayacuella margaretae* Avram & Soares (page 62), type material: 1 ♀ holotype, 1 ♀ paratype, Cueva de Tingo Maria, Peru, 16 Apr 1974 Bordón leg.

So, the interpretation should be:

Aucayacuella Avram, 1983
Aucayacuella Avram, 1983: 13 (type species *Aucayacuella bordoni* Avram, 1983, by monotypy).
Aucayacuella Avram & Soares, 1983: 61 [junior subjective synonym of *Aucayacuella* Avram, 1983 by Avram (1987: 88); type species *Aucayacuella margaretae* Avram & Soares, 1983, by original designation)].

Aucayacuella bordoni Avram, 1983
Aucayacuella bordoni Avram, 1983: 13, figs 1–3; 1987: 88.
Aucayacuella margaretae Avram & Soares, 1983: 62, figs 50–53 [junior objective synonym of *Aucayacuella bordoni* Avram, 1983 by Avram (1987: 88)].

P. 97: The spelling *Quidina* was treated as a different genus from *Quindina* in NN (1939). However, NN quoted *Quidina* as being the only original spelling (but with incorrect date 1915 *contra* 1914 in KC), and recorded *Quindina* Roewer 1923 as being an emendation of the spelling. However, Roewer (1923, p. 564) used as valid the spelling *Quindina* and mentioned "*Quidina* Roewer 1914 (err.)" acting thus as First Reviser (Art. 24.2).

P. 104: *Ampycella* Roewer, 1929 is incongruously listed under "Gonyleptidae incertae sedis" (also p. 256), although below (pp. 152 and 282) it is listed under Ampycinae. This happened because the author originally intended a larger concept of Ampycinae and then, in the last minute, swayed by criticism, adopted a more cautious view, including a number of would-be ampycines in incertae sedis instead but leaving the lists unchanged. *Ampycella* should be included in the Ampycinae.

P. 104: *Glysterus* Roewer, 1931 is incongruously listed under "Gonyleptidae incertae sedis" (also p. 256), although below (pp. 120, 152 and 291 ff.) it is listed under Ampycinae. See remarks above on *Ampycella*. *Glysterus* should be included in the Ampycinae.

P. 105: *Hernandarioides* Pickard-Cambridge, 1905 is feminine, as treated originally by its author (Art. 30.1.4.4). Consequently, *H. plan**a*** Pickard-Cambridge.

P. 105: *Hernandarioides* is incongruously listed under "Gonyleptidae incertae sedis" (also pp. 140, 258), although below (p. 292)they are listed under Ampycinae. See remarks above on *Ampycella*. *Hernandarioides* should be included in the Ampycinae.

P. 105: *Hernandria*. After a recheck of the original description, it is evident that Banks did not mean the description of a new genus, but only of a new species in the genus *Hernandaria* Sørensen, 1884, and he misspelled the generic name. Consequently, *Hernandria* is unavailable and must be placed as an "incorrect subsequent spelling" of *Hernandaria*. Banks had the habit of describing new genera with the appropriate qualification, there is no reason to consider this as a valid description. However, NN gives it mistakenly as a valid genus. The valid genus name is ***Parahernandria*** Goodnight & Goodnight, 1947c: 14, and the species included in it are *Parahernandria spinosa* (Banks, 1909), **comb. nov.** and *P. ventralis* (Banks, 1914) restored combination.

P. 105: *Hernandria*/*Parahernandria* Goodnight & Goodnight are incongruously listed under "Gonyleptidae incertae sedis" (also p. 256), although below (pp. 120, 291) they are listed under Ampycinae. See remarks above on *Ampycella*. *Parahernandria* should be included in the Ampycinae.

P. 105: *Hutamaia* Soares & Soares, 1977 is incongruously listed under "Gonyleptidae incertae sedis", although below (pp. 152, 258, 268, 285) it is listed under Ampycinae. See remarks above on *Ampycella*. *Hutamaia* should be included in the Ampycinae.

P. 105: *Neopachyloides* Roewer, 1913 is incongruously listed under "Gonyleptidae incertae sedis" (also p. 259), although below (pp. 152, 153, 274, 281, 285) it is listed under Ampycinae. See remarks above on *Ampycella*. *Neopachyloides* should be included in the Ampycinae.

P. 105: *Nesopachylus* Chamberlin, 1925 is incongruously listed under "Gonyleptidae incertae sedis" (also p. 259), although below (pp. 152, 292) it is listed under Ampycinae. See remarks above on *Ampycella*. *Nesopachylus* should be included in the Ampycinae.

P. 106: *Sibollus* Roewer, 1929 is incongruously listed under "Gonyleptidae incertae sedis" (also p. 260), although below (pp. 153, 285) it is listed under Ampycinae. See remarks above on *Ampycella*. *Sibollus* should be included in the Ampycinae.

P. 106: *Thaumatopachylus* Roewer, 1929 is incongruously listed under "Gonyleptidae incertae sedis" (also p. 261), although below (pp. 153) it is listed under Ampycinae. See remarks above on *Ampycella*. *Thaumatopachylus* should be included in the Ampycinae.

P. 108: *Cnemoleptes* Mello-Leitão 1941: Add as a synonym:
Cnemoleptus: Neave, 1942: 55 (incorrect subsequent spelling).

P. 113: *Pristocnemis* Koch, [Dec.] 1839 is wrongly chosen over *Pristocnemus* Koch, [July] 1839 in KC. Koch initially created *Pristocnemus* (1839a) and later changed the spelling to *Pristocnemis* (1839b), supposedly more euphonic or more correct, but nevertheless only a subsequent incorrect spelling.

P. 120: *Huasampilia* Roewer, 1913 should be *Huasampil**l**ia.* The index in KC (p. 321) contains both forms.

P. 121: *Nemoribalta* Mello-Leitão is correctly dated as of [December] 1941 in KC *contra* wrongly 1942 in NN.

P. 122: *Nictheroya* Mello-Leitão, 1926: 352, is not a *nomen nudum* since there is a description in a key. However, there is no species mentioned, the first being *N. incerta* Mello-Leitão, 1927 (in Mello-Leitão, 1927: 19), which becomes the type species by subsequent designation.

P. 123: *Currala* Roewer is correctly dated as of 1927 in KC *contra* wrongly 1928 in NN. The cover of the fascicule bears 30-XII-1927 which is accepted here as issue date.

P. 123: *Deltaspidium* Roewer is correctly dated as of 1927 in KC *contra* wrongly 1928 in NN. The cover of the fascicule bears 30-XII-1927 which is accepted here as issue date.

P. 123: *Gonyleptes scaber* Kirby is wrongly dated as of 1818 in KC *contra* correctly 1819.
This paper must be dated as of 2 July 1819, according to Raphael (1970).

P. 123–4: *Friburgoia* Mello-Leitão is wrongly dated as of 1931 in KC contra correctly 1932. The correct date for the publication where this appeared is 31 December 1932 (not 1931), the only date appearing in the volume being 1932 (which has been correctly assumed for the type species). This modifies the nomenclature proposed by KC as follows:

Schenkelibunus Strand, 1932: 138 [3 September 1932]
= *Hanseniella* Mello-Leitão, 1927b: 18 [non Bagnall, 1913, Symphyla]
= *Friburgoia* Mello-Leitão, 1932: 72, **syn. nov.** [31 December 1932]
= *Ziltaia* Mello-Leitão, 1936b: 27

and the included species are: *Schenkelibunus impar* (Mello-Leitão, 1932) and *Schenkelibunus perditus* (Mello-Leitão, 1927), both **comb. nov.** There is no such thing in the Code as a "combination by implication", as mentioned by the author, although there is no need to place the new genus in front of the combined species, just the mention that the species belongs to the combining genus.

P. 124: *Geraecormobiella* Mello-Leitão 1931 is wrongly spelled *Geraecomorbiella* in KC. According to NN, the correct spelling is *Geraecormobiella*. *Geraecormobiella* is consistently cited on pages 127, 128, 145 in Mello-Leitão. *Geraecomorbiella* in KC is a subsequent incorrect spelling.

P. 127: *Gonyleptes* is wrongly dated as of 1818 in KC *contra* correctly 1819. This paper must be dated as of 2 July 1819, according to Raphael (1970). Consequently, *Gonyleptes* Kirby, 1819: 450, and *G. horridus* Kirby, 1819 (on p. 128).

P. 127: *Gonyleptes curvicornis* Mello-Leitão, 1932 is a secondary homonym of *Weyhia curvicornis* Roewer, 1913 (now in synonymy of *G. horridus*, p. 128) and must be replaced. Names in synonymy are also combinations with the genus where they are included and compete for homonymy. Consequently we create *Gonyleptes melloleitaoi* Kury & Alonso-Zarazaga **nom. nov.** as a replacement name for Mello-Leitão's name.

P. 127: This is a misprinting: *G. espiritosantensis* should be formatted as a species heading in bold and italics.

P. 130: *Gonyleptilus* Roewer is correctly dated as of 1927 in KC *contra* wrongly 1928 in NN. The cover of the fascicule bears 30-XII-1927 which is accepted here as issue date.

P. 134: *Multumbo* Roewer is correctly dated as of 1927 in KC *contra* wrongly 1928 in NN. The cover of the fascicule bears 30-XII-1927 which is accepted here as issue date.

P. 134: *Bunoweyhia* Mello-Leitão, 1935 (currently under the synonymy of *Neosadocus* Mello-Leitão, 1926) is unavailable because it had no original type species designation (Art. 13.3). Validation of a name in synonymy after 1960 (even if a type species is invalidly designated) is also invalid (Art. 11.6.3).

P. 136: This is a misprinting causing confusion: ***Piassagera*** Roewer, 1928 should be in larger type and bold, with the genus name in italics; otherwise it seems to be a synonym of ***Parapachylibunus***, which, being a *nomen nudum*, should have been set in a different way (v.g. between brackets).

P. 137: *Leptogonys* Mello-Leitão is correctly dated as of [December] 1931 in KC *contra* wrongly 1932 in NN.

P. 137, right column, lines 9–10 from bottom ("remarks" in *Sphaerobunus* Roewer, 1917): There is no page priority recognised in the Code. The "present designation" is a choice of the First Reviser.

P. 143: The epithet *acanthoproctus* is a substantive in apposition (from Greek *proktós*, anus), thence invariable. Consequently, *Mangaratiba acanthoproct**us*** (H. Soares, 1968).

P. 143: The epithet *angulispinosis* is a faulty Latin construct, either deliberate or inadvertent. Unless it can be demonstrated that it is a mistyping or lapsus for *angulispinosa* (in combination with *Piresa*) originally (Art. 32.5.), it must be taken as a substantive in apposition, thence invariable (Art. 31.2.2, 31.2.3, 32.3). Consequently, *Mangaratiba angulispinos**is*** (H. Soares, 1966).

P. 143: Following data should be added after *Thaumatoleptes rugosus* Roewer, 1930:
Thaumatoleptes rugosus Roewer, 1930… Mendes & Kury, 2003: 152, figs 1–11 (redescription).
RECORD. BRAZIL. Fernando de Noronha Island (Mendes & Kury, 2003).

P. 146: *Discocyrtoides* Mello-Leitão, 1923, according to NN (vol. 2, 1939: 121) is an incorrect original spelling for *Dyscocyrtoides*. Both spellings are present in the original paper, so, the second is valid because Neave acted as first reviser.

P. 149: *Dolichoscelis* Hope is wrongly dated as of 1837 in KC *contra* correctly 1836 in NN. Correct publication date of *Dolichoscelis* is between 21 June and 9 July 1836 although nominal date is 1837 (Raphael 1970).

P. 151: *Batomites* Mello-Leitão 1931 is unavailable because it had no original type species designation.

P. 152: This is a setting problem: ***Ruschia vellutina*** should be in bold type.

P. 153: The spelling *Acanthpachylus* Roewer is the only original spelling and should stand, but Roewer (1923) placed it in the synonymy of the genus *Acanthopachylus* and this spelling, which is an unjustified emendation (Art. 33.2.1), is in predominant use and according to Art. 33.2.3.1 it must stand, keeping its original author and date.

P. 154: *Gonyleptes aculeatus* Kirby is wrongly dated as of 1818 in KC *contra* correctly 1819. This paper must be dated as of 2 July 1819, according to Raphael (1970).

P. 155: The heading for genus *Acrographinotus* has wrong author and date. It should be Holmgren, 1916, as in the synonymic list. *Acrographinotus* Holmgren is **not** a *nomen nudum*, since it had a description, although no species was mentioned. The type species is correctly cited.

P. 155: *Ctatoproceros* Soares & Bauab-Vianna is wrongly dated as of 1972 in KC *contra* correctly 1973 in NN. Volume 29 of *Acta Zoologica Lilloana* was published, according to its colophon, on 31-V-1973.

P. 156: *Antetriceras* Roewer, 1949 is neuter. Consequently, *A. signat**um*** Roewer.
Remarks. Genera ending in –c*eras* (from Greek *keras*, "horn") are neuter.

P. 157: *Biconisoma* Roewer, 1936 is neuter. Consequently, *B. mirabil**e*** Roewer.
Remarks. Genera ending in –soma (from Greek soma, "body") are neuter.

P. 157: *Bunoplus* Roewer is correctly dated as of 1927 in KC *contra* wrongly 1928 in NN. The cover of the fascicule bears 30-XII-1927 which is accepted here.

P. 157: *Caldanatus* Roewer is correctly dated as of [15 July] 1943 in KC *contra* wrongly 1945 in NN.

P. 158: *Camposicoloides* B. Soares and *Capichabesia* B. Soares are correctly dated as of [12 December] 1944 in KC *contra* wrongly 1945 in NN.

P. 158: *Pseudoneogonyleptoides* B. Soares is correctly dated as of [12 December] 1944 in KC *contra* wrongly 1945 in NN.

P. 159: *Chaquesia* B. Soares is correctly dated as of [12 December] 1944 in KC *contra* wrongly 1945 in NN.

P. 159: *Discocyrtulus* Roewer is correctly dated as of 1927 in KC *contra* wrongly 1928 in NN. The cover of the fascicule bears 30-XII-1927 which is accepted here as issue date.

P. 160: *Discocyrtulusoma* Piza 1943 appears wrongly spelled as *Discocyrtulosoma* in KC.
The synonym should be added:

Discocyrtulosoma: Kury, 2003: 160 [incorrect subsequent spelling].

P. 161. *Discocyrtus confusus* Kury, 2003 is unavailable. Replacement names can only be proposed for available names (Art. 13.1.3) which are invalid for any reason (usually homonymy), and *Gonyleptes curvipes* sensu Roewer, 1913 is a misidentification, that is, an **unavailable** name. This species is here re-described as a **new species**:

***Discocyrtus confusus* Kury, sp. nov**.

Holotype: 1 ♂, Naturhistorisches Museum Wien, labelled: 1) *Discocyrtus curvipes* Kollr. = *Gonyleptes curvipes* Kllr. 1847.II.49; 2) *Gonyleptes curvipes* Kllr. = *Discocyrtus curvipes* Kllr. Brasilien 1847.II.49.

Description: Ocularium very narrow with a pair of small parallel spines mostly fused together. Scutal areas III–IV entirely fused. Area IV with a pair of small paramedian acuminate tubercles. Prolateral-apical apophysis of coxa IV short, reaching middle of adjacent trochanter. Trochanter IV of male short, with 1 dorsal and 2 dorso-retrolateral spiniform apophyses. Femur IV of male sigmoid, with 2 dorso-medial and a row of 8 retrolateral robust spiniform apophyses, plus a pair of stout apical spurs. Patella and tibia IV of male unarmed. Etymology: the specific epithet is a Latin adjective of evident sense, based in the confuse nomenclatural and taxonomical history of this species.

Synonymy: *Gonyleptes curvipes* sensu Roewer, 1913: 231, fig 96 [misidentification]

Discocyrtus confusus Kury, 2003: 161 [unavailable name, proposed as a replacement name for *Gonyleptes curvipes* sensu Roewer, another unavailable name].

P. 162: *Pachyloides fischeri* Müller and *Pachyloides tuberculatus* Müller are wrongly dated as of 1918 in KC *contra* correctly 1917.

P. 167: *Eugyndes* Roewer is correctly dated as of 1923 in KC *contra* wrongly 1913 in NN .

P. 167: *Pucrolioides* Roewer is wrongly cited as the correct spelling in KC contra correctly *Pucroloides* in NN. *Pucrolioides* is spelled as *Pucroloides* in NN, as if it were original from Roewer, Neave cites however page 27. Roewer (1913) has both spellings: *Pucroloides* in a key to genera (page 10) and *Pucrolioides* in the description and figure caption (pages 27–28). Roewer (1923: 403) acted as first reviser and fixed the name *Pucroloides*.

P. 170: *Goodnightiella* Soares & Soares is correctly dated as of [5 July] 1945 in KC *contra* wrongly 1946 in NN.

P. 171: *Vitiches* Roewer is correctly dated as of 1927 in KC *contra* wrongly 1928 in NN. The cover of the fascicule bears 30-XII-1927 which is accepted here.

P. 171: The genus name is wrongly spelled *Wygodzinskya,* while the type species is correctly written using *Wygodzinsky**i**a* Soares & Soares.

P. 173: *Iandumoema* is wrongly dated as of 1996 in KC *contra* correctly 1997 in ZR. Correct publication date of *Iandumoema* is 18 July 1997 although nominal date is 1996.

P. 173: *Ibarra* Roewer is correctly dated as of 1925 in KC *contra* wrongly 1926 in NN . Publication date is 1 October 1925, although nominal date is 1926.

P. 174: The following species and records should be added before *Lacronia serripes* (Mello-Leitão):

Lacronia camboriu Kury, 2003
Lacronia camboriu Kury, 2003b: 33, figs 15–28 (types MNRJ 4956, ♂ holotype, 1 ♂ paratype; MNRJ 5990, 2 ♂ 6 ♀ paratypes).
TYPE LOCALITY. BRAZIL. SANTA CATARINA. Balneário Camboriú, Praia da Laranjeira.
RECORD. BRAZIL. SANTA CATARINA. Itajaí, slope of hill close to the sea, in bromeliads (Kury, 2003).

Lacronia ricardoi Kury, 2003
Lacronia ricardoi Kury, 2003b: 31, figs 1–14 (types MZSP 21373, ♂ holotype, 1 ♀ 1 juv. paratypes; MZSP 10589, 1 ♀ paratype).
TYPE LOCALITY. BRAZIL. SÃO PAULO. Peruíbe, in bromeliads.

Lacronia serripes (Mello-Leitão, 1923)
Lacronia serripes (Mello-Leitão, 1923)… Kury, 2003b: 30.
RECORD. BRAZIL. SÃO PAULO. Salesópolis, Boracéa (Kury, 2003b).

P. 180: *Pachyloidellus* Müller is wrongly dated as of 1918 in KC *contra* correctly 1917. The right date of Müller is 1917. Also *Pachyloidellus fuscus* (p. 181).

P. 185: *Apophysigerus* Canals is correctly dated as of 1935 in KC *contra* wrongly 1934 in NN. Issue date of the privately published Canals' paper is 18 September 1935.

P. 187: *Passosa* Roewer is wrongly dated as of 1927 in KC *contra* correctly 1928 in NN . Correct publication date of *Passosa* is February 1928 although nominal date is 1927.

P. 188: *Pseudogyndes* Mello-Leitão, 1932, as well as all genera ending in *–gyndes*, are masculine, being *Gyndes* originally a masculine name for a river in Mesopotamia. Consequently, *P. marginat**us*** Roewer.

P. 189: *Punagraphinotus* Soares & Bauab-Vianna is wrongly dated as of 1972 in KC *contra* correctly 1973 in NN .

P. 189: Add to *Canestrinia* after Berlese, 1881 also “nec Mégnin & Trouessart, 1884, Arachnida”.

P. 189: *Melloinia* Thor is correctly used as the right spelling in KC. NN uses as valid the spelling *Melloini**o*** Thor, 1933. Only the spelling *Melloinia* with “a” appears consistently 3 times in Thor`s paper. *Melloinio* with “o” is a misspelling in NN. So, add to *Melloinia* as a synonym:
Melloinio Neave, 1940, vol. 3: 97 [incorrect subsequent spelling].

P. 189: *Pygophalangodus canalsi* Mello-Leitão is wrongly dated in the heading as of 1930 but correctly in the reference as 1931. Correct publication date of Mello-Leitão (1931a) is 30 June 1931 not 1930. Moreover, in KC it is said that the combination *Mello-Leitãoella canalsi* is made by Strand “by implication”. This concept is absent from the Code, and combinations must be made by putting in paper the name of a genus and the name of a species together, or by saying that species A belongs to genus B. No “supposed” or “implicit” combinations are recognised, even when a new generic replacement name is proposed (Art. 48).

P. 190: *Oxyrhyna* is wrongly spelled in KC (incorrect subsequent spelling) *contra* correctly *Oxyrh**i**na*, as in NN. The correct original spelling by B. Soares (1944) is *Oxyrh**i**na*. *Oxyrhina* is a junior homonym of *Oxyrh**i**na* Agassiz, 1835, Pisces.

P. 193: *Tarmapachylus* Roewer, 1956 is correctly spelled in KC contra wrongly in NN as *Tarm**o**pachylus*, The original has been checked for alternative spellings and only *Tarmapachylus* is present.

P. 193: Authorship of *Tingomaria* is correctly attributed to Mello-Leitão in KC *contra* wrongly as having two authors: Mello-Leitão & A. Feio in NN. The paper in question is authored by Mello-Leitão & A. Feio, but it is explicitly stated in the text that Mello-Leitão alone did the part of Opiliones. *Tingomaria* is wrongly dated as of 1948 in KC *contra* correctly 1949 in NN. The nominal date of the paper is 1948, but issued only in 1949.

P. 197: *Leptocnemus* Koch, [July] 1839 is wrongly listed in KC as preoccupied by *Leptocnemus* Dejean, 1834 and to be replaced by *Leptocnema* Koch, [Dec.] 1839. But *Leptocnemus* Dejean is a *nomen nudum* (checked). Consequently, there is no homonymy and *Leptocnemus* Koch, 1839 should stand, as it has precedence over *Leptocnema* by a few months.

P. 198: *Progonyleptoidellus* Piza, 1940 is correctly spelled in KC contra wrongly in NN as *Progonylept**io**dellus*. The original has been checked for alternative original spellings – it has no summary nor table of contents nor key, so the name, derived from *Progonyleptoides*, is written with -oi- twice on page 63, and once in the legend facing plate 2.

P. 199: *Stignobates* Mello-Leitão 1926 is wrongly tagged in KC as a nomen nudum with the definitive description *Stygnobates* Mello-Leitão 1927 as the valid description and spelling. *Stignobates* appeared in a key (Mello-Leitão 1926: 358) and it is available, even if there were no species included (Art.12.1), because the key is a description. Mello-Leitão gave as type species *Stygnobates* [sic!] *barbiellinii* by subsequent designation in 1927, and this is enough. NN wrongly considers both names as different descriptions, which is wrong.

The spelling *Stignobates* has been used only in the original description in 1926. Since 1927, the spelling *Stygnobates*, athough being an incorrect subsequent spelling (Art. 33.3), has been consistenly used in all works known to us dealing with this genus. In application of Art. 33.3.1, we deem that the correct name for the genus is *Stygnobates* Mello-Leitão, 1926 (type species, *S. barbiellinii* Mello-Leitão, 1927 subsequent designation).

P. 200: The name Olynthoidae Sørensen, 1932 is permanently invalid, because its type genus is a homonym (Art. 39).

P. 201: *Bissulla* Roewer, 1929 is correctly spelled in KC *contra Bissula* in NN. *Bissulla* with –ll- appears once in the key (page 182), 3 times in the description and figure caption (page 214) and once in the alphabetic index (page 283). In the original description there is no spelling of *Bissula* with –l-, this being Neave's subsequent misspelling (to be added to the synonymy).

P. 201: *Bunostigma* Mello-Leitão, 1935 is neuter. Consequently, *B. singular**e*** Mello-Leitão.
Remarks. Genera ending in –stigma (from Greek *stigma*, "mark" or "spot") are neuter.

P. 202: *Liops* Mello-Leitão, 1940 (non Fieber, 1870, Hemiptera, nec Gidley, 1906, Mammalia). This name is a homonym and must be replaced by its first available synonym, *Corcovadesia* Soares & Soares, 1954. Consequently, *C. hexabunus* (Mello-Leitão, 1940) **comb. nov.** and *C. venefic**a*** (H. Soares, 1966), **comb. nov.**

P. 203: The authorship of *Poecilosophus* is correctly attributed to Mello-Leitão in KC *contra* wrongly as having two authors: Mello-Leitão & A. Feio in NN. The names of Opiliones in that joint work by Mello-Leitão & Feio are authored only by Mello-Leitão. *Poecilosophus* is wrongly dated as of 1948 in KC *contra* correctly 1949 in NN. In KC, *Poecilosophus* Mello-Leitão in Mello-Leitão & Feio has priority over *Soaresula* Roewer. The date of publication of Mello-Leitão & Feio is not known with certainty, the nominal date being 1948, and we adopt that of the entry of the volume in the library of the Museu Paraense "Emilio Goeldi" (4th July 1949, F.J. Cavalcante, *pers.comm.*) in agreement with the provisions of Art. 21.7. Roewer (1949b) was nominally issued in July 1949 and the application of the provisions of Art. 21.3.1 obliges us to date it as of 31st July. The precedence is thus kept as in KC, but with more accurate dates.

P. 203: *Monticola* B. Soares, 1944: Add as well “nec Nalivkin, 1930, Brachiopoda”.

P. 204: *Olynthus* Sørensen, 1932: NN gives “Hübner, 1819”, as well as recent authors. Add also: “nec Haeckel, 1869, Spongiaria”.

P. 205: Strangely, NN gives, besides the replacement name *Tachusina* by Strand, 1942, a replacement name ***Tu**chusina* in the same paper. It is Neave's mistake, Strand 1942 paper has only *Tachusina*.

P. 207: *Belemnodes* correctly appears in KC as a valid replacement name for *Belemnus*. But, as the problem is complex, it is discussed here: Fischer de Waldheim (1817: 450) considered that *–ites* is an ending exclusive of fossils, so, having discovered alleged recent species of *Belemnites* would be sufficient motive to change *Belemnites* to *Belemnus*. *Belemnus* Fischer de Waldheim, 1817 could be interpreted as an incorrect subsequent spelling (a lapsus) for *Belemnites*, and, consequently, would have no status in nomenclature, and could not compete with *Belemnus* Roewer, 1932. However, *Belemnus* Fischer is an unjustified emendation, which acquires author and date and is available (cites and replaces *Belemnites*). Fischer’s name could be otherwise construed as a ‘regular’ new genus name, established in combination with a name for a living species; anyway, in this case too the implication for Roewer’s name would be the same. This implies that *Belemnus* Roewer is a junior homonym and must be replaced by the first synonym available. So, *Belemnodes* Strand, 1942 is a valid replacement name for *Belemnus*.

P. 207: *Cranellus* Roewer, 1932 (non *Cranellus* Tobias, 1844, Aves [checked]). This name is a homonym and must be replaced. We propose the following replacement:

Narcellus Kury & Alonso-Zarazaga, **nom. nov.** Type species: *Cranellus balthazar* Roewer, 1932. Etymology: anagram of *Cranellus*. Gender masculine. Description: same as that of *Cranellus* in Roewer, 1932: 310; (Art. 13.1.2). Accordingly, the following new combinations are made: *Narcellus balthazar* (Roewer, 1932) **comb. nov.** and *Narcellus montgomeryi* (Goodnight & Goodnight, 1947) **comb. nov.**

P. 211: *Euminua* Sørensen, 1932 is unavailable, because it was described without a type species designation. Authors who treated the genus later failed to give a type species, as requested by the Code. Designation of a type species in KC does not make available the genus with Kury, 2003 as author and date because he failed to fulfil the requirements of Art. 16.1. This genus is here described as **new**:

Euminua Kury & Alonso-Zarazaga, **gen. nov.** Type species: *Euminua brevitarsa* Sørensen, 1932. Description: same as that of *Euminua* in Sørensen, 1932: 239 (Art. 13.1.2). Gender feminine.

P. 211: *Euminuoides longitarsa* (Sørensen, 1932): This combination must be taken from Mello-Leitão (1935b: 92), when citing the type species (it is enough to include a species in a genus, there is no need to write the combination as it should be). The spelling *longitarsis* is an incorrect subsequent spelling.

P. 211: *Fudeci* González-Sponga is wrongly dated as of 1997 in KC *contra* correctly 1998 in Zoological Record. Publication date is October 1998.

P. 212: *Metakimula botosaneanui* (Avram, 1973) is a new combination in KC and lacks the parentheses around author and date.

P. 212: *Minua* Sørensen, 1932 is unavailable, because it was described without a type species designation. Authors who treated the genus later failed to give a type species, as requested by the Code. Designation of a type species in KC does not make available the genus with Kury, 2003 as author and date because he failed to fulfil the requirements of Art. 16.1. Being the name of a king, if available, it would be masculine in gender, not feminine as treated in KC and originally by its author. This genus must be replaced with its available synonym *Minuella* Roewer, 1949, which is feminine. Consequently the species must be named: *Minuella barloventensis* González-Sponga, 1987, *M. crassa* González-Sponga, 1987, *M. choroniensis* González-Sponga, 1987, *M. denticulata* González-Sponga, 1987, *M. dimorpha* (Sørensen, 1932), *M. elias* (Sørensen, 1932), *M. guatopensis* González-Sponga, 1987, *M. momoyana*

González-Sponga, 1987, *M. montis* González-Sponga, 1987, *M. nebulae* González-Sponga, 1987, *M. parva* González-Sponga, 1987, *M. pinturelensis* González-Sponga, 1987, *M. punctiacuta* González-Sponga, 1987, *M. scabra* (Sørensen, 1932) and *M. venefica* González-Sponga, 1987. Despite his false reasoning, González-Sponga's (1987) nomenclature is the valid one.

In this case, the family name Minuidae is also **unavailable**, being based on an unavailable genus. Consequently, the next available synonym would have to be used: Minuididae Mello-Leitão, 1933 (type genus: *Minuides* Sørensen, 1932). But Pérez- González & Kury (2007) excluded *Minuides* from this family and a new family name, Kimulidae Pérez-González, Kury & Alonso-Zarazaga 2007, had to be created.

P. 214: The synonym Lolinae Kratochvíl, 1958 lacks a reference, which is: Kratochvíl, J. (1958) Die Höhlenweberknechte Bulgariens (Cyphophthalmi und Laniatores). *Práce Brněnské základny Ceskoslovenské akademie věd*, 30(375): 372–396.

P. 219: *Acanthocheir* Lucas is wrongly dated as of 1860 in KC *contra* correctly 1861. Part 4 of the 8th volume of 3rd series of the *Annales de la Société entomologique de France* can be dated from its reception in the Bulletin of Séances as of 15 May 1861.

P. 220: *Metapachylus* Banks, 1909: This supposed genus simply does not exist. There is a description of *Metapachylus rugosus* as a new species, now *Pachylicus rugosus* (see KC, p. 248) in the pre-existing genus *Metapachylus* Pickard-Cambridge, 1905 (which is a junior homonym of a beetle name, see below). No new heading for this "new" genus is found, as it was customary in Banks's papers, so this mention is to be cancelled. The mistake is to be attributed to Goodnight & Goodnight, 1942, who considered it valid by synonymizing it under *Sitalcina* Banks, 1911. It seems that they intended to indicate that the *Metapachylus* species of Banks should not be included in *Metapachylus* proper and just forgot to add "(part)".

P. 222: Podoctidae Roewer, 1912: The original reference is lacking. It should be there even if described from outside the Americas:

Phalangodidae Podoctinae Roewer, 1912a: 201.

P. 225: *Zmotus* Sørensen, 1932 is not an available name, having been treated as a manuscript name intended to be a new generic name when Sørensen was alive, but used by the editor of his posthumous work as a synonym of *Eutimesius* Roewer 1913 (which has appeared in the meantime) in its only citation.

P. 226: In the same paper where *Bunistygnellus* is described (Roewer 1917: 122), there is the alternative original spelling *Bunistygnus* (only in a list on page 91). This latter spelling has been rejected in NN (1939, vol. 1: 501) as an incorrect original spelling, acting as the first reviser.

P. 227: *Ilhastygnus* Roewer, 1943 is **unavailable**, lacking an original type species designation. Pinto-da-Rocha's (1997) action of designating a type species does not make it available, even with Pinto-da-Rocha's authorship and date, since he treated it as a synonym (Art. 11.6.3). Designation of a type species in KC does not make available the genus with Kury, 2003 as author and date because the genus is in synonymy and he failed to fulfil the requirements of Art. 16.1.

P. 230: *Fonteboatus* Roewer, 1931 is **unavailable**, lacking an original type species designation. Pinto-da-Rocha's (1997) action of designating a type species does not make it available, even with Pinto-da-Rocha's authorship and date, because he treated it as a synonym and not as a valid genus (Art. 11.6.3). Designation of a type species in KC does not make available the genus with Kury, 2003 as author and date because the genus is in synonymy and he failed to fulfil the requirements of Art. 16.1.

P. 231: *Stenophareus* Goodnight & Goodnight, 1943: An available generic name in synonymy still competes for homonymy, so *Stenophareus* Roewer, 1943 (according to the data given in the Catalogue) should have priority, even if it is under synonymy of *Stenostygnoides*. Consequently, Goodnight & Goodnight's name should be a junior homonym and thence invalid, and should be replaced with a *nomen novum*, **but** NN gives Goodnight & Goodnight as of June, and Roewer as of July, which reverses the priority! In fact Roewer knew that and proposed the replace-

ment name *Stenopharellus*. Thence, we consider that a correction to the Remarks should be done: "senior" instead of "junior". Also the statement "(non *Stenophareus* Roewer, 1943)" should be deleted.

P. 234: *Stygnomma* Roewer is correctly dated as of 1912 in KC *contra* wrongly 1914 in NN. Preprint date of Roewer (1912b) is 1912, based on Crawford (1992) and Cokendolpher (pers. comm.). Preprint should be mentioned in references as such, as it is a different publication (Art. 21.8).

P. 234: *Stygnommatiplus* Roewer is wrongly dated as of 1927 in KC *contra* correctly 1928 in NN. Nominal date of the paper is 1927. Issued February 1928.

P. 235: *Stygnomma* is correctly treated in KC as neuter, but Goodnight & Goodnight's *granulosa* original spelling is incorrectly kept. This word being a Latin adjective, it must be in gender agreement. Consequently: *S. granulos**um***.

P. 239: *Paramitraceras* Pickard-Cambridge, 1905 is neuter. Consequently, *P. femoral**e*** Goodnight & Goodnight, *P. granulat**um*** Pickard-Cambridge and *P. hispidul**um*** Pickard-Cambridge.

Remarks. Genera ending in *–ceras*: this is Greek for "horn" and is neuter (see examples of Art. 30.1.2 of ICZN).

P. 242: *Curimagua* González-Sponga: the following could also be added: "nec Hoffmann, 1982, Diplopoda".

P. 242: *Malea* Sørensen, 1932 is an unavailable name and, moreover, a homonym of *Malea* Valenciennes, 1832 (Mollusca).

P. 245: *Galanomma* Juberthie, 1970 is neuter. Consequently, *G. microphthalm**um*** Juberthie.

Remarks. Names ending in the Greek word *–omma* (eye) are neuter.

P. 245: *Granulaia* González-Sponga is wrongly dated as of 1997 in KC *contra* correctly 1998 in Zoological Record. Publication date is October 1998.

P. 246: *Junquito denticuloso* González-Sponga, 1999: The specific epithet cannot be corrected under the Code (Art. 31.2.3), since it is a pseudo-Latin rendering of a vernacular Spanish adjective.

P. 246: *Metapachylus* Pickard-Cambridge, 1905 (non Bates, 1889, Coleoptera). This name is a homonym and must be replaced. We propose here *Pyropharynx* Kury & Alonso-Zarazaga **nom. nov.** (from Greek *pŷr*, fire, and *phárynx*, throat) after the effects of the sauce named Tabasco, from the region where the type species was collected. Gender feminine (it should be noted that the Greek word *phárynx* also has a rarer masculine form). Consequently, *Pyropharynx gracilis* (Pickard-Cambridge, 1905), **comb. nov.**

P. 247: *Ovalia* González-Sponga, 1987 (non Latreille in Griffith & Pidgeon, 1833, Crustacea; nec Nalivkin, 1937, Brachiopoda). This name is a junior homonym and must be replaced. We replace it with *Oo* Kury & Alonso-Zarazaga **nom. nov.**, name inspired in the original one, which makes reference to an egg-shaped outline (in Greek, egg is *ōon*), and with neuter gender. With González-Sponga's permission (pers. comm., 2004). Consequently, *Oo spinosum* (González-Sponga, 1999), **comb. nov.**

P. 247: Neave gives *Pachylicus*, also present in Canestrini (1894) as an alternative original spelling for *Pachylichus* Canestrini, 1894 (Acari), which could have precedence over Roewer (1923). Only the spelling with –chus is the correct, so the other with –cus is an incorrect original spelling and does not affect Roewer's name. We could find neither cited as valid in the ZR. A literature search revealed many instances of the use of *Pachylichus* as valid mite genus in Pyroglyphidae.

P. 247: The species named *Pachylicus floresius* (Goodnight & Goodnight, 1947) must be named *P. petrunkevitchi* (Mello-Leitão, 1942) by priority.

P. 248: *Panoplia* Roewer, 1949: It is "non Hübner, 1825, nec Heyden, 1826".

P. 250: This is a misprint: In the synonymy of genus *Pilosa* González-Sponga, instead of *Pilosa*, it is said *Junquito*.

P. 250: *Retropedis* González-Sponga: This is another case with doubts about gender (masculine or feminine? It cannot be neuter). The last part, *-pedis* is latin for "louse" and is masculine, but it seems that he meant the also masculine substantive (considering a bad latinization) *–pes* "foot" or "leg" (*-pedis* should be its genitive, and then the name would hardly meet the requirements of Art. 11.8). It is considered here a pseudo-Latin misconstruct of masculine gender, either by using Art. 30.1.1 or Art. 30.1.4.5, since the gender is not indicated by the combination with a feminine substantive in apposition (*magnapatella*).

P. 251: *Chersobleptes* Sørensen, 1932 is **unavailable**, lacking an original type species designation. Authors who treated the genus later failed to give a type species, as requested by the Code. Designation of a type species in KC does not make available the genus with Kury, 2003 as author and date because he failed to fulfil the requirements of Art. 16.1 and the genus is kept in synonymy.

P. 252: *Tiara* González-Sponga, 1987 (non Swainson, 1831, Mollusca, nec Lesson, 1837, Coelenterata). This name is a homonym and must be replaced. It is replaced here with ***Mitraia*** Kury & Alonso-Zarazaga, **nom. nov.**, with the same etymology. Gender feminine. Consequently, *Mitraia unispina* (González-Sponga, 1987) **comb. nov.**

P. 274: *Thaumatopachylus setulosus* Roewer, 1929 is wrongly cited as the not-proposed combination *Neopachyloides setulosus* (Roewer, 1929).

P. 285: *Sibollus margaritatus* Roewer, 1929 is wrongly cited as the not-proposed combination *Neopachyloides margaritatus* (Roewer, 1929).

Acknowledgements

We acknowledge the late Dr Manuel-Angel González-Sponga (Caracas) for providing replacement names for his homonyms and also for his kind permission to rename some of his names.

Thanks are due to Cathy Broad (Linnean Society of London), Ricardo Pinto-da-Rocha (USP, São Paulo), Sonia Pirotzky (Biblioteca Sociedad Entomológica Argentina, Buenos Aires), Deborah Salvi (Muséum d'histoire naturelle Neuchâtel), Angela Schellerich-Kaaden (Senckenbergische Naturforschende Gesellschaft, Exchange Department, Frankfurt), Stefano Taiti (Istituto per lo Studio degli Ecosistemi, Firenze, Italy), Osvaldo Villarreal M. (Sociedad Venezolana de Espeleologia, Caracas, Venezuela) and Francileila Jatene Cavalcante (Biblioteca, Museu "Emilio Goeldi") who provided information on publication dates of journals and/or called our attention to inconsistencies in KC. Criticism of the two referees, A. Pérez and A. Minelli considerably improved the manuscript.

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APPENDIX 1. Systematic literature on American Laniatores between 2004 and 2009.

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