Update to the Registers of family-group and genus-group taxa of Aphidoidea (Hemiptera, Sternorrhyncha)

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ABSTRACT

Errors and omissions to the Registers of family-group and genus-group taxa of Aphidoidea (Hemiptera Sternorrhyncha) are amended and new information made available in 2011, 2012 and 2013 is added. The former data are presented in two lists, one for minor corrections, and the other for corrections with important nomenclatural or taxonomic significance. The additions are presented in a third list. Also, Neoaulacorthum Lee (W.) & Lee (S.), 2011 is shown to be a synonym of Pseudomegoura Shinji, 1928, and the consequent combinations are presented: Pseudomegoura magnoliae (Essig & Kuwana, 1918) comb. nov., and P. nipponica (Essig & Kuwana, 1918) comb. nov.

Key words: Aphids, families, genera, species, nomenclature, taxonomy, new synonymy, new combination.

Puesta al día de Registros de los taxones del nivel familia y del nivel género de Aphidoidea (Hemiptera, Sternorrhyncha)

RESUMEN

Se corregen las erratas e incorrecciones observadas en Registros de los taxones del nivel familia y del nivel género de Aphidoidea (Hemiptera Sternorrhyncha) y se añade la información publicada durante 2011, 2012 y 2013. Aquéllas se presentan en dos listas, una para las correcciones menores y otra para las correcciones con una cierta importancia nomenclatural y taxonómica. Las adiciones se presentan en una tercera lista.También, se establece que Neoaulacorthum Lee (W.) & Lee (S.), 2011 es sinónimo de Pseudomegoura Shinji, 1928, y consecuentemente las nuevas combinaciones: Pseudomegoura magnoliae (Essig & Kuwana, 1918) comb. nov. y P. nipponica (Essig & Kuwana, 1918) comb. nov.
Despite authors’ and editors’ best intentions, scientific monographs are never without misprint, confusion, or omission. Monograph contents also become outdated quickly and, due to their perceived comprehensiveness, readers sometimes overlook newer sources of data.

Shortly after the publication of the bilingual English and Spanish monograph, *Registers of family-group and genus-group taxa of Aphidoidea / Registros de los taxones del nivel familia y del nivel género de Aphidoidea (Hemiptera Sternorrhyncha)* (NIETO NAFRÍA & FAVRET, 2011) (hereafter, *Registers*), we became aware of a few errors of minor importance. Over the following months we found others, some with significant nomenclatural or taxonomic consequences.

Additionally, since the publication of the *Registers*, aphid taxonomic work continued apace with the description of new taxa, the modified status of others, especially fossil taxa, and the publication of other nomenclatural decisions (e.g., BLACKMAN *et al.*, 2011; CHEN *et al.*, 2011; LEE *et al.*, 2011; HEIE & WEGIEREK, 2011; SUGIMOTO, 2011; WANG *et al.*, 2011; WEGIEREK & ŻYLA, 2011).

We here present modifications to the *Registers* to correct errors and clarify confusing information, and to add missing names and nomenclatural acts published prior to the cut-off date of the *Registers*, 1 January 2011. We also take the opportunity to bring the *Registers* up to date by adding names and nomenclatural and taxonomic data published during 2011, 2012, and 2013. In some cases older names, previously outside the taxonomic scope of the *Registers*, were brought within the scope during 2011 and 2013, and are therefore included here. The modifications to the *Registers* are presented in two lists, the first for minor corrections with little to no nomenclatural or taxonomic significance, the second for those that do have such importance. A third list presents the data published in the three years following publication of the *Registers*.

While preparing the list of recent updates, we noticed that the genus-group name *Neoaulacorthum* Lee (W.) & Lee (S.) had been erected (LEE *et al.*, 2011) in synonymy with *Pseudomegoura* Shinji, 1928. The type species designated for *Neoaulacorthum*, *Rhopalosiphum magnoliæ* Essig & Kuwana, 1918, had already been established as a senior synonym of the type species of *Pseudomegoura*, *Macrosiphum nishikigi* Shinji, 1928. In erecting *Neoau-
lacorthum, the authors had implicitly validated Pseudomegoura, which has priority. Pseudomegoura currently contains two valid species: Pseudomegoura magnoliae (Essig & Kuwana, 1918) comb. nov. and P. nipponica (Essig & Kuwana, 1918) comb. nov.

Shorthand symbols are used in these lists: “…” refers to omitted text, “/” refers to the next line of text, and “//” refers to the next subsection of a particular name’s entry (e.g., type species, objective status). Changes in numbers (e.g., the number of genera described by various authors in the text or tables of the Registers) are not included here.

Nomenclatural and taxonomic corrections and updates presented here are integrated, with reference data, into Aphid Species File (FAVRET, 2014).

LISTS OF CORRECTIONS AND ADDITIONS

LIST 1 — MINOR CORRECTIONS

Pages 11–463; footer
Text as published.—2010
Corrected text.—2011
Page 10; PAGE 82
Text as published.—Cover and page 451 ... Regna Tri Naturae, ...
Corrected text.—Cover and page 451 ... Regna Tria Naturae, ...
Page 10; PÁGINA 82
Text as published.—Cover and page 451 ... Regna Tri Naturae, ...
Corrected text.—Cover and page 451 ... Regna Tria Naturae, ...
Page 20; Table P-1, left part
Text as published.—Parachaitophoridae
Corrected text.—Parachaitophorinae
Page 25; 2nd paragraph
Text as published.—also excluded are other related families: ...
Corrected text.—[Addition of DRACAPHIDAE. See the complete modified list of excluded families in the section “Additions”]
Page 33; 2nd paragraph: Chronology...
Text as published.—..., Mordvilko, Baker, Oestlund, ...
Corrected text.—..., Mordvilko, Baker (A.C.), Oestlund, ...
Page 33; 5th paragraph: Authorities...
Text as published.—..., Mordvilko, Baker and Herrich-Schaeffer), ...
Corrected text.—..., Mordvilko, Baker (A.C.) and Herrich-Schaeffer), ...
Page 38; Table F-2
Text as published.—Zhang (J.), Zhang (S.), Hou, Ma
Corrected text.—Zhang (J.-f.), Zhang (S.), Hou, Ma


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Page 39; 2nd paragraph
Text as published.—...; y tampoco lo están otras familias emparentadas, por orden alfabético:
Corrected text.—[Addition of DRACAPHIDIDAE. See the complete modified list of excluded families in the “Additions” list, below]

Page 45; 1st paragraph: Cantidad de casos...
Text as published.—..., and Aphididae Baker.
Corrected text.—..., and Aphididae Baker (A.C.).

Page 46; 2nd paragraph: Cronología...
Text as published.—..., Mordvilko, Baker, Oestlund ...
Corrected text.—..., Mordvilko, Baker (A.C.), Oestlund ...

Page 46; 5th paragraph: Autorías...
Text as published.—..., Mordvilko, Baker and Herrich-Schaeffer) son ...
Corrected text.—..., Mordvilko, Baker (A.C.) y Herrich-Schaeffer) son ...

Page 49; ANOMALAPHID...
Text as published.—Type genus: Anomalaphis Baker, 1920
Corrected text.—Type genus: Anomalaphis Baker (A.C.), 1920.

Page 49; APHID...
Text as published.—Useful information about... and Aphididae Baker in the list of unavailable names.
Corrected text.—Useful information about... and Aphididae Baker (A.C.) in the list of unavailable names.

Page 49; CALLAPHID...
Text as published.—[Entry on page 49]
Corrected text.—[Move to page 52]

Page 57; FORD...
Text as published.—Subjective status: ... MELAPHID_ Baker, 1920, ...
Corrected text.—Subjective status: ... MELAPHID_ Baker (A.C.), 1920, ...

Page 60; MACROSIPH...
Text as published.—MACROSIPHINI Wilson, 1910 (1887)
Corrected text.—MACROSIPH_ Wilson, 1910 (1887)

Page 60; MACROSIPH_2
Text as published.—Subjective status: ..., EICHINAPHID_ Narzikulov, 1963, LIOSOMAPHID_ Börner, 1930, ... NEANURAPHID_ Narzikulov, 1970, PENTALON_ Baker, 1920, PHORODONT_ Börner, 1944, SITOBION_ Börner, 1952, ...

Page 68; PROTROM...
Text as published.—Type genus: Protrama Baker, 1920.
Corrected text.—Type genus: Protrama Baker (A.C.), 1920.

Page 73; TAMALL...
Text as published.—Type genus: Tamalia Baker, 1920.
Corrected text.—Type genus: Tamalia Baker (A.C.), 1920.

Page 82; TOXOPTERIDEN Herrich-Schaeffer, 1854
Text as published.—... if was established in 1856]
Corrected text.—.... if was established in 1857]

Page 82; Figure legend
Text as published.—.... Per Regna Tri Naturae, ...
Corrected text.—.... Per Regna Tria Naturae, ...

Page 83; Figure legend
Text as published.—.... Per Regna Tri Naturae, ...
Corrected text.—.... Per Regna Tria Naturae, ...

Page 101; Table G-3
Text as published.—... / Essig & Kuwana / Fernie / ...
Corrected text.—... / Essig & Kuwana / Fang & Qiao / Fernie / ...

Page 102; Table G-3, 2nd column
Text as published.—MacVicar Baker
Corrected text.—Baker (J.M.)

Page 102; Table G-3, 3rd column
Text as published.—.... / Remaudière & Tao / Ren, Lu & Ji / Richards / ...
Corrected text.—.... / Remaudière & Tao / Ren / Richards / ...

Page 103; Table G-3
Text as published.—.... / Szépligeti / Takagi / ... / Weswood / ... / Zhang (L.) & Zhank (G.-x.) / ...
Corrected text.—.... / Szépligeti / Szwedo & Osiadacz / Takagi / ... / Westwood / ... / Zhang (L.-k.) & Zhank (G.-x.) / ...

Page 104; Table G-4
Text as published.—Ghosh, Ashis Kumar
Corrected text.—Ghosh, Ashish Kumar

Page 108; Table G-6
Text as published.—Ghosh, Ashis Kumar
Corrected text.—Ghosh, Ashish Kumar

Page 140; Aphis
Text as published.—Taxonomic position: ... With subgenera Aphis, Bursaphis MacVicar Baker, 1934, ...
Corrected text.—Taxonomic position: ... With subgenera Aphis, Bursaphis Baker (J.M.), 1934, ...

Page 157; Bursaphis
Text as published.—Bursaphis MacVicar Baker, 1934
Corrected text.—Bursaphis Baker (J.M.), 1934

Page 175; Cinara
Text as published.—Subjective status: ... Indocinara Ghosh (A.K.), Basu (R.C.) & D.N. Raychaudhuri (D.N.), 1969, ...
Corrected text.—Subjective status: ... Indocinara Ghosh (A.K.), Basu (R.C.) & Raychaudhuri (D.N.), 1969, ...

Page 183; Cuernavaca
Text as published.—Cuernavaca MacVicar Baker, 1934 // ... // ... // Type species: Cuernavaca mexicana MacVicar Baker, 1934; ...
Corrected text.—Cuernavaca Baker (J.M.), 1934 // ... // ... // Type species: Cuernavaca mexicana Baker (J.M.), 1934; ...

Page 190; Diuraphis
Text as published.—Useful information about the objective status: ... MacVicar Baker, 1934.
Corrected text.—Useful information about the objective status: ... Baker (J.M.), 1934.

Page 211; Geranchon
Text as published.—Taxonomic position: ... incertae sedis
Corrected text.—Taxonomic position: ... incertae sedis.

Page 211; Germaraphis
Text as published.—Taxonomic position: ... Heie, 1967
Corrected text.—Taxonomic position: ... Heie, 1967.

Page 213; Glyphina
Text as published.—Taxonomic position: Aphididae Thelaxinae.
Corrected text.—Taxonomic position: Aphididae Thelaxinae Thelaxini.

Page 218; Heminipponaphis
Text as published.—Subjective status: ...Gosh (L.K.) ...
Corrected text.—Subjective status: ...Ghosh (L.K.) ...

Page 234; Kurisakia
Text as published.—Taxonomic position: Aphididae Thelaxinae.
Corrected text.—Taxonomic position: Aphididae Thelaxinae Thelaxini.

Page 235; Lacusaphis
Text as published.—Publication reference: Zhang (L.) & ... // ... // Type species: ... Zhang (L.) & ...
Corrected text.—Publication reference: Zhang (L.-k.) & ... // ... // Type species: ... Zhang (L.-k.) & ...

Page 238; Metopolophinum
Text as published.—Type species: ... Gosh (L.K.), ...
Corrected text.—Type species: ... Ghosh (L.K.), ..

Page 267; Mutillaphis
Text as published.—Mutillaphis Zhang (L.) & Zang (G.-x.), 2001 // ... // ... // Type species: ... Zhang (L.) & Zang (G.-x.), 2001; ...
Corrected text.—Mutillaphis Zhang (L.-k.) & Zang (G.-x.), 2001 // ... // ... // Type species: ... Zhang (L.-k.) & Zang (G.-x.), 2001; ...

Page 283; Neothelaxes
Text as published.—Taxonomic position: Aphididae Thelaxinae.
Corrected text.—Taxonomic position: Aphididae Thelaxinae Thelaxini.

Page 299; Palaeothelaxes
Text as published.—Taxonomic position: Aphididae Thelaxinae.
Corrected text.—Taxonomic position: Aphididae Thelaxinae Thelaxini.

Page 325; Pseudothoracaphis
Text as published.—Type species: ... Gosh (L.K.) ...
Corrected text.—Type species: ... Ghosh (L.K.) ...

Page 341; Schoutedenum
Text as published.—Objective status: Available but invalid valid ...
Corrected text.—Objective status: Available but invalid ...

Page 368; Thelaxes
Text as published.—Taxonomic position: Aphididae Thelaxinae.
Corrected text.—Taxonomic position: Aphididae Thelaxinae Thelaxini.

Page 418; 4th paragraph from below
Text as published.—Por desgracia la mayoría ... al mencionado artículo a su equivalente ...
Corrected text.—Por desgracia la mayoría ... al mencionado artículo o su equivalente ...

UPDATE TO REGISTERS OF APHIDOIDEA

Page 420; 4)
Text as published.—..., “Báltico” en Baltichaitophorus [mar], ...  
Corrected text.—..., “Báltico” [mar] en Baltichaitophorus, ...

Page 420; 5)
Text as published.—... en la mitología griega que habitan en los árboles, en Hamadryaphis.  
Corrected text.—... en la mitología griega, en Hamadryaphis.

Page 426; Blanchardaphis
Text as published.—(Everard E.) Blanchard ...
Corrected text.—(Everard Eel) Blanchard ...

Page 426; Blanchardia
Text as published.—(Everard E.) Blanchard ...
Corrected text.—(Everard Eel) Blanchard ...

Page 435; Eumacrosiphum
Text as published.—Eumacrosiphum / Greek eu ‘true’ ‘normal’ + Macrosiphum  
Corrected text.—Eumacrosiphum / Greek eu ‘true’ ‘normal’ + Macrosiphum, with the mistake “e” for “c”

Page 457; Siphonatrophia
Text as published.—... siphon ...
Corrected text.—... siphôn ...

LIST 2.—IMPORTANT CORRECTIONS

Page 51; Baltichaitophor._
Text as published.—Subjective status: Valid, Baltichaitophorinae.  
Corrected text.—Subjective status: Valid, Baltichaitophorinae; Senior synonym of Parachaitophor._ Quednau & Remaudière, 1994.

Page 53; Canadaphid._
Text as published.—Original spelling: Canadaphididae  
Corrected text.—Original spelling: Canadaphidinae.

Page 53; Cervaphid._
Text as published.—Original spelling: Cervaphidini.  
Corrected text.—Original spelling: Cervaphidina.

Page 55; Dactynot._

Page 56; Eulachin._
Text as published.—Original spelling: Eulachnini.  
Corrected text.—Original spelling: Eulachnina.

Page 57; Fullaway._
Text as published.—Subjective status: Junior synonym of Pterocommatinae.  
Corrected text.—Subjective status: Junior synonym of Macrosiph._ Wilson 1910 (1887).

Page 58; Hyalopter._


Page 62; **Myzoxyl_**
Corrected text.—Original spelling: Myzoxylidés (as Family) – Latinized (Article 11.7.2) as Myzoxylinae by Thomas, 1877, Transactions of the Illinois State Horticultural Society, 10 [1876]: 182.

Page 65; **Padiuc_**
Text as published.—Subjective status: Junior synonym of Pterocommatinae.
Corrected text.—Subjective status: Junior synonym of Macrosiph_ Wilson 1910 (1887).

Page 65; **Panaphid_**
Text as published.—Original spelling: Panaphidini.
Corrected text.—Original spelling: Panaphidi.

Page 66; **Parachaitophor_**
Text as published.—Subjective status: Junior synonym of Parachaitophorinae.
Corrected text.—Subjective status: Junior synonym of Baltichaitophorinae.

Page 66; **Pemphig_**
Text as published.—Original spelling: Pemphiden (as Family) – ...
Corrected text.—Original spelling: Pemphigiden (as Family) – ...

Page 67; **Pentalon_**
Text as published.—Pentalon_.
Corrected text.—Pentaloni_.

Pages 67-68; **Phyllaphid_**
Text as published.—Original spelling: Phyllaphidinem (as Family) – Latinized (Article 11.7.2) as Phyllaphidina by Baker (A.C.), 1920, Bulletin of the United States Department of Agriculture, 826: 23.
Corrected text.—Original spelling: Phyllaphidinen (as Family) – Latinized (Article 11.7.2) as Phyllaphidina by Oestlund, 1919, Seventeenth Report of the State Entomologist of Minnesota: 66.

Page 68; **Prociphil_**
Text as published.—Original spelling: ... – Latinized (Article 11.7.2) as Prociphilli-ina by Baker (A.C.), 1920, Bulletin of the United States Department of Agriculture, 826: 65.
Corrected text.—Original spelling: ... – Latinized (Article 11.7.2) as Prociphilini by Oestlund, 1919, Seventeenth Report of the State Entomologist of Minnesota: 70.

Page 69; **Pterocommat_**
Corrected text.—Original spelling: Pterocommini. // ... // Subjective status: Junior synonym of Macrosiph_ Wilson 1910 (1887).

Page 70; **Rhopalosiph_**
Text as published.—Subjective status: ...; Senior synonym of Hyalopter_ Oestlund, 1923.
Corrected text.—Subjective status: ...; Senior synonym of Hyalopter_ Oestlund, 1920.

Page 72; **Spicaphid**
Text as published.—Original spelling: Spicaphidina.
Corrected text.—Original spelling: Spicaphina.

Page 73; **Tetranaur**
Text as published.—Original spelling: Tetraneuriden (as Family) – Latinized .. of Agriculture, 826: 65.
Corrected text.—Original spelling: Tetraneuriden (as Family) – Latinized... of Agriculture, 826: 65, footnote.

Page 74; **Tram**
Text as published.—Original spelling: Tramini – ...
Corrected text.—Original spelling: Tramiden – ...

Page 78; **Essigellina**
Text as published.—[WITHOUT ENTRY]
// Name-bearing genus name: Essigella Del Guercio, 1909 // Cause of unavailability: the name was not by a description or definition that states in words characters that are purported to differentiate the taxon (Article 13.1.1).

Page 140; **Aphis**
Text as published.—Taxonomic position: ..., 1934, Pseudoprotaphis ...
Corrected text.—Taxonomic position: ..., 1934, Maculaphis Zhanng (L.-k.) & Zhang (G.-x.), 2002, Pseudoprotaphis ...

Page 146; **Atarsaphis**
Text as published.—Subjective status: Valid. // Taxonomic position: Aphididae Hormaphidinae Nipponaphidinae.
Corrected text.—Subjective status: Junior synonym of Quadrartus Monzen, 1954.

Page 155; **Brasilaphis**
Text as published.—Type species: Brasilaphis bondari Mordvilko, 1930; by original designation.
Corrected text.—Type species: Brasilaphis bondari Mordvilko, 1930; by monotypy.

Page 156; **Brevicoryne**
Text as published.—Type species: ...; by monotypy.
Corrected text.—Type species: ...; by subsequent designation (Baker (A.C.), 1920: 45).

Page 160; **Canadaphis**

Page 167; **Cerosipha**
Text as published.—Type species: ...; by original designation.
Corrected text.—Type species: ...; by monotypy.

Page 184; **Cytromyzus**
Text as published.—Type species: ...; by original designation.
Corrected text.—Type species: ...; by original designation; junior synonym of Myzus padellus Hille Ris Lambers & Rogerson, 1946.

Page 187; **Desiforda**
Text as published.—Type species: Desiforda echnochloapha ...
Corrected text.—Type species: *Desiforda echinocloaphaga* ...

Page 189; **Diphorodon**

Text as published.—Subjective status: Junior synonym of *Paraphorodon* Tseng & Tao, 1938.
Corrected text.—Subjective status: Valid. // Taxonomic position: Aphididae Aphidinae Macrosiphini.

Page 190; **Ditrichosiphon**

Text as published.—Subjective status: junior synonym of *Paraphorodon* Tseng & Tao, 1938.

Page 198; **Eoesigia**


Page 202; **Eucallipterus**


Page 205; **Eutrichosiphum**

Corrected text.—Taxonomic position: Aphididae Greenideinae Greenideini.

Page 208; **Fullawayya**

Text as published.—Taxonomic position: Aphididae Pterocommatinae.
Corrected text.—Taxonomic position: Aphididae Aphidinae Macrosiphini.

Page 221; **Hongocallis** Wegierek


Page 221; **Hongocallis** Zhang

Text as published.—[WITHOUT ENTRY]

Page 228; **Indotuberaphis**

Text as published.—Subjective status: Valid.


Page 229; *Iranaphis*
Text as published.—Type species: ... by original designation.
Corrected text.—Type species: ... by monotypy.

Page 241; *Lithaphis*
Corrected text.—Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

Page 247; *Macrosiphum* Del Guercio
Text as published.—Objective status: Available but invalid – ... *Macrosiphum* Oestlund, 1861.
Corrected text.—Objective status: Available but invalid – ... *Macrosiphum* Oestlund, 1886.

Page 248; *Maculaphis*
Text as published.—[WITHOUT ENTRY]

Page 249; *Mariaella*
Text as published.—Useful information about the objective status: Replaced by *Szelegiewicziana* Özdem & Demir, 2007 (*nomen novum*).
Corrected text.—Useful information about the objective status: Replaced by *Szelegiewiczia* Özdem & Demir, 2007 (*nomen novum*), junior homonym of *Szelegewiczia* Shaposhnikov, 1985 (Hemiptera Sternorrhyncha Szelegiewicziiidae); replaced by *Neomariaella* Szvedo & Osiaadcz, 2010 (*nomen novum*).

Page 254; *Melanosiphum*
Text as published.—Type species: *Melanosiphum lonicericola* Shinji, 1942; by original designation.
Corrected text.—Type species: *Melanosiphum lonicericola* Shinji, 1942; by original designation; junior synonym of *Anuraphis japonicus* Hori, 1927.

Page 257; *Metatrichosiphon*
Text as published.—Subjective status: Valid – Senior synonym of *Ditricosiphon* Raychaudhuri (D.N.), 1956.
Corrected text.—Subjective status: Valid.

Page 258; *Metopeuraphis*
Text as published.—Type species: *atriplicis* ...
Corrected text.—Type species: *Metopeuraphis atriopicis* ...

Page 271; *Nasonovia*
Text as published.—Taxonomic position: ... *Capitosiphon* Heie, 1979, *Eokakimia* Heie, 1979, *Kakimia* Hottes & Frison, ...
Corrected text.—Taxonomic position: ... *Capitosiphon* Heie, 1979, *Kakimia* Hottes & Frison, ...
Page 276; **Neodermaphis**
Text as published.—[WITHOUT ENTRY]

Page 279; **Neomacromyzus**
Text as published.—[WITHOUT ENTRY]

Page 279; **Neomariaella**
Text as published.—[WITHOUT ENTRY]

Page 282; **Neophorodon**
Text as published.—Type species: **Neophorodon rubi** Takahashi, 1922; by original designation.
Corrected text.—Type species: **Neophorodon rubi** Takahashi, 1922; by original designation; junior synonym of **Matsumuraja rubifoliae** Takahashi, 1931.

Page 283; **Neopterocomma**
Text as published.—Taxonomic position: Aphididae Pterocommatinae.
Corrected text.—Taxonomic position: Aphididae Aphidinae Macrosiphini.

Page 283; **Neoreticulaphis**
Text as published.—[WITHOUT ENTRY]

Page 296; **Ovatus**
Text as published.—Type species: **Ovatus mespilii** ...
Corrected text.—Type species: **Myzus mespilii** ...

Page 298; **Paducia**
Text as published.—Taxonomic position: Aphididae Pterocommatinae.
Corrected text.—Taxonomic position: Aphididae Aphidinae Macrosiphini.

Page 304; **Paraphorodon**
Text as published.—Type species: **Paraphorodon omeishanensis** Tseng & Tao, 1938; by original designation; junior synonym of **Phorodon cannabis** Passerini, 1860. // ... // Subjective status: Valid — Senior synonym of **Diphorodon** Börner, 1939. // ...

Corrected text.—Type species: *Paraphorodon omeishanensis* Tseng & Tao, 1938; by original designation. // Subjective status: Valid. // ...

Page 309; *Pemphiginus*

Page 316; *Placoaphis*
Text as published.—Type species: *Placoaphis siphunculata* Richards, 1961; by original designation.
Corrected text.—Type species: *Placoaphis siphunculata* Richards, 1961; by original designation; junior synonym of *Dactynotus wakibae* Hottes, 1934.

Page 317; *Plocamaphis*
Text as published.—Taxonomic position: Aphididae Pterocommatinae.
Corrected text.—Taxonomic position: Aphididae Aphidinae Macrosiphini.

Page 325; *Pseudotoxoptera*
Text as published.—[WITHOUT ENTRY]

Page 327; *Pterocomma*
Text as published.—Taxonomic position: Aphididae Pterocommatinae.
Corrected text.—Taxonomic position: Aphididae Aphidinae Macrosiphini.

Page 329; *Quadrartus*
Text as published.—Subjective status: Valid.
Corrected text.—Subjective status: Valid — Senior synonym of *Atarsaphis* Takahashi, 1958.

Page 338; *Schizodryobius*
Text as published.—Type species: ... by original designation; ...
Corrected text.—Type species: ... by monotypy; ...

Page 345; *Siciforda*
Text as published.—Subjective status: Valid. // Taxonomic position: Aphididae Eriosomatinae Fordini.
Corrected text.—Subjective status: junior synonym of *Aiceona* Takahashi, 1921.

Page 347; *Sinocallis* Hong
Text as published.—Useful information about the objective status: Replaced by *Hongocallis* Wégieriek, 2010 (*nomina nova*).
Corrected text.—Useful information about the objective status: Replaced by *Hongocallis* Zhang (Z.-j.), 2009, and improperly by *Hongocallis* Wégieriek, 2010 (*nomina nova*).

Page 350; *Siphocoryne* Passerini, 1863
Text as published.—Type species: ...; by subsequent designation (Kirkaldy, 1905: 416); ...
Corrected text.—Type species: ...; by original designation; ...

Page 355; *Sportaphis*
Text as published.—Type species: *Sportaphis sporta* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.
Corrected text.—Type species: *Sportaphis sporta* Zhang (G.-x.), Chen, Zhong & Li,

1999; by original designation; junior synonym of Tenuilingiaphis stata Zhang (G.-x.) & Zhong, 1993.

Page 357; Stephensonia
Text as published.—Type species: ...; by monotypy; ...
Corrected text.—Type species: ...; by original designation; ...

Page 362; Surcaudaphis
Text as published.—Subjective status: Junior synonym of Tuberocephalus Shinji, 1929.
Corrected text.—Subjective status: Junior synonym of Trichosiphoniella Shinji, 1929.

Page 362; Symydobius
Corrected text.—Subjective status: Valid. // Taxonomic position: ... subgenera Symydobius and Yezocallis Matsumura, 1917.

Page 362; Synthripaphis
Text as published.—Type species: ...; by monotypy; ...
Corrected text.—Type species: ...; by original designation; ...

Page 363; Szelegiewiczia
Text as published.—[WITHOUT ENTRY]

Page 363; Szelegiewicziana

Page 363; Szelegiewicziana
Text as published.—Szelegiewicziana Öz dikem & Demir, 2007 // …
Corrected text.—[REMOVE THE ENTR Y]

Page 374; Trichocallis
Text as published.—Type species: ... Quednau (2010: 77)]; ...
Corrected text.—Type species: ... Quednau (2010: 76)]; ...

Page 375; Trichosiphoniella
Text as published.—Subjective status: Junior synonym of Tuberocephalus Shinji, 1929.

Page 380; Tuberocephalus

Page 382; Turanaphis
Text as published.—Subjective status: Nomen nudum ...
Corrected text.—Subjective status: Nomen dubium ...

Page 383; Tycheoides
Text as published.—Objective status: Available ... Passerini, 1863. // Usef ul information about the objective status: Replacement name of Neorhizobius Del Guercio, 1917. Senior objective synonym of Tycheoides Schouteden, 1906.
Corrected text.—Objective status: Available ... Passerini, 1863.

Page 391; Yezocallis
Text as published.—Subjective status: Junior synonym of Symydobius Mordvilko, 1894.

Page 402; Szelegiewicziana
Text as published.—Szelegiewiczia Özdikem & Demir, 2007 ... // ...
Corrected text.—[REMOVE THE ENTRY]

Page 402; Szelegiewicziana
Text as published.—[WITHOUT ENTRY]

Page 446; Neomyzocallis
Text as published.—Masculine
Corrected text.—Feminine

Page 449; Pachypappella
Text as published.—Masculine
Corrected text.—Feminine

Page 450; Paracolopha
Text as published.—Neuter
Corrected text.—Feminine

Page 461; Trichoregma
Text as published.—Neuter
Corrected text.—Feminine

LIST 3.—UPDATES (per data published 2011-2013)

Page 25; 2nd paragraph
Text as published.—also excluded are other related families: ..., Creaphididae, Ellinaphididae, ... Palaeaphididae, Retinaphididae, ...
Corrected text.—also excluded are other families: ..., Creaphididae, Dracaphididae, Ellinaphididae, ... Palaeaphididae, Rasnitsyaphididae, Retinaphididae, ...

Page 39; 2nd paragraph
Text as published.—...; y tampoco lo están otras familias emparentadas, por orden alfabético: ... Creaphididae, Ellinaphididae, ... Palaeaphididae, Retinaphididae, ...

Corrected text.—...; y tampoco lo están otras familias emparentadas, por orden alfabético: ... CREAPHIDIDAE, DRACAPHIDIDAE, ELLINAPHIDIDAE, ... PALAEOPHIDIDAE, RASNITSYPHIDIDAE, RETINAPHIDIDAE, ...

Page 101; Table G-3
Text as published.—.../ Bramstedt / Buckton / ... Chang / Cholodkovsky / ...
Corrected text.—.../ Bramstedt / Brauckman & Schlüter / Buckton / ... Chang / Chen, Sorin & Qiao / Cholodkovsky / ...

Page 102; Table G-3
Text as published.—.../ Lee (S.H.) / Liao / ...
Corrected text.—.../ Lee (S.H.) / Lee (W.) & Lee (S.) / Liao / ...

Page 133; Aniferella
Text as published.—Taxonomic position: Aphididae Lizeriinae.
Corrected text.—Taxonomic position: Aphididae Neophyllaphidinae.

Page 137; Aphidinius
Text as published.—Taxonomic position: Aphididae Eriosomatinae.
Corrected text.—Taxonomic position: Aphidoidea incertae sedis.

Page 138; Aphidioides
Text as published.—Taxonomic position: Aphididae.
Corrected text.—Taxonomic position: Aphidoidea incertae sedis.

Page 140; Aphis
Text as published.—Subjective status: Valid — Senior synonym of Apathaphis Börner, 1952, Aphidula Nevy, 1929, Asiataphis Narzikulov, 1970, ..., Pergandeida Schouteden, 1903, Urapis Del Guercio, 1907, ...
Corrected text.—Subjective status: Valid — Senior synonym of Apathaphis Börner, 1952, Aphidula Nevy, 1929, Arimakia Matsumura, 1917, Asiataphis Narzikulov, 1970, ..., Pergandeida Schouteden, 1903, Somaphis Shinji, 1929, Urapis Del Guercio, 1907, ...

Page 143; Arimakia
Text as published.—Subjective status: Junior synonym of Toxoptera Koch, 1856.
Corrected text.—Subjective status: Junior synonym of Aphis Linnaeus, 1758.

Page 144; Asipheronipponaphis
Text as published.—[WITHOUT ENTRY]

Page 147; Aulacorthum
Text as published.—Subjective status: ..., Neonacrospiphium van der Goot, 1915, and Pseudomegoura Shinji, 1922.
Corrected text.—Subjective status: ..., and Neonacrospiphium van der Goot, 1915.

Page 148; Bajsaphis
Text as published.—[WITHOUT ENTRY]

UPDATE TO REGISTERS OF APHIDOIDEA


Page 148; Balticaphis
Text as published.—Taxonomic position: Aphididae Saltusaphidinae.
Corrected text.—Taxonomic position: Aphididae (Drepanosiphidae complex sensu Heie).

Page 161; Canaphis
Text as published.—Taxonomic position: Aphididae.
Corrected text.—Taxonomic position: Aphidoidea incertae sedis.

Page 185; Dataiaphis
Text as published.—[WITHOUT ENTRY]

Page 194; Dubiaphis
Text as published.—[WITHOUT ENTRY]

Page 195; Echinaphis Cockerell
Text as published.—Taxonomic position: Aphididae Lizeriinae.
Corrected text.—Taxonomic position: Aphidoidea incertae sedis.

Page 197; Electromyzus
Text as published.—Taxonomic position: Aphididae Lizeriinae.
Corrected text.—Taxonomic position: Aphididae (Drepanosiphidae complex sensu Heie).

Page 199; Eomakrosoura
Text as published.—Taxonomic position: Aphididae Aphidinae.
Corrected text.—Taxonomic position: Aphididae (Drepanosiphidae complex sensu Heie).

Page 208; Fossilicallis
Text as published.—Publication reference: Mainzer ... // ... // ... // ... // ... // ... // Taxonomic position: Aphididae Phyllaphidinae.
Corrected text.—Publication reference: Heie & Lutz, Mainzer ... // ... // ... // ... // ... // Taxonomic position: Aphididae Drepanosiphinae.

Page 209; Furvaphis
Text as published.—Taxonomic position: Aphididae Phloeomyzinae.
Corrected text.—Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Page 211; Germaraphis
Text as published.—Taxonomic position: ... Germaraphis and Balticorostrum Heie, 1967.
Page 212; Gibbomyzus
Text as published.—[WITHOUT ENTRY]

Page 218; Henningsenia
Text as published.—Taxonomic position: ... Erisomatinae.

Page 220; Holmaniella
Text as published.—[WITHOUT ENTRY]

Page 244; Lyncuricallis
Text as published.—Taxonomic position: Aphididae Phyllaphidinae.
Corrected text.—Taxonomic position: Aphididae (Drepanosiphidae complex sensu Heie).

Page 252; Megapodaphis
Text as published.—Taxonomic position: Aphididae Macropodaphidinae.
Corrected text.—Taxonomic position: Aphididae Saltusaphidinae.

Page 256; Mesoviparosiphum
Text as published.—Subjective status: Valid. // Taxonomic position: Oviparosiphidae.
Corrected text.—Subjective status: Junior synonym of Oviparosiphum Shaposhnikov 1979.

Page 273; Neoauleacorthum
Text as published.—[WITHOUT ENTRY]

Page 288; Nevaphis
Text as published.—Taxonomic position: Aphididae Phyllaphidinae.
Corrected text.—Taxonomic position: Aphididae (Drepanosiphidae complex sensu Heie)

Page 289; Nigrosiphum
Text as published.—Taxonomic position: Aphididae Aphidinae.
Corrected text.—Taxonomic position: Aphididae Aphidinae Macrosiphini.

Page 291; Nordaphis
Text as published.—Taxonomic position: Aphididae Mindariniae.
Corrected text.—Taxonomic position: Aphididae Lizeriinae.
Page 294; *Oligocallis*
Text as published.—Taxonomic position: Aphididae Pterastheniinae.
Corrected text.—Taxonomic position: Aphididae (Drepanosiphidae complex sensu Heie).

Page 297; *Oviparosiphum*
Text as published.—Subjective status: Valid.
Corrected text.—Subjective status: Valid — Senior synonym of *Mesoviparosiphum Zhang (J.-f.), Zang (S.), Hou & Ma, 1989* and *Paroviparosiphum Zhang (J.-f.), Zang (S.), Hou & Ma, 1989.*

Page 298; *Palaeoforda*
Text as published.—Taxonomic position: Aphididae Eriosomatinae.
Corrected text.—Taxonomic position: Aphidoidea incertae sedis.

Page 307; *Paroviparosiphum*
Text as published.—Subjective status: Valid. // Taxonomic position: Oviparosiphidae.
Corrected text.—Subjective status: Junior synonym of *Oviparosiphum Shaposhnikov 1979.*

Page 310; *Penaphis*
Text as published.—Taxonomic position: Oviparosiphidae.
Corrected text.—Taxonomic position: Aphidoidea incertae sedis.

Page 317; *Plioaphis*
Text as published.—Taxonomic position: Aphididae Lachninae Eulachnini.
Corrected text.—Taxonomic position: Aphidoidea incertae sedis.

Page 324; *Pseudomegoura*
Text as published.—Subjective status: Junior synonym of *Aulacorthum Mordvilko, 1914.*
Corrected text.—Subjective status: Valid — Senior synonym of *Neoaulacorthum Lee (W.) & Lee (S.), 2011.*

Page 337; *Sbenaphis*
Text as published.—Taxonomic position: Aphididae.
Corrected text.—Taxonomic position: Aphidoidea incertae sedis.

Page 346; *Silvaphis*
Text as published.—Taxonomic position: Aphididae Phloeomyzinae.
Corrected text.—Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Page 349; *Sinoviparosiphum*
Text as published.—*Sinoviparosiphum Ren, Lu & Ji, 1995 // ... // ... // Type species: ... Ren, Ji & Ji, 1995; ... Corrected text.—*Sinoviparosiphum Ren, 1995 // ... // ... // Type species: ... Ren, 1995; ...*

Page 353; *Somaphis*
Text as published.—Subjective status: Junior synonym of *Toxoptera Koch, 1856.*
Corrected text.—Subjective status: Junior synonym of *Aphis Linnaeus, 1758.*

Page 357; *Sternaphis*
Text as published.—Taxonomic position: Aphididae Neophyllaphidinae.
Corrected text.—Taxonomic position: Aphididae (Drepanosiphidae complex sensu Heie).

Page 361; **Succaphis**
Text as published.—Taxonomic position: Aphididae Pterastheniinae.
Corrected text.—Taxonomic position: Aphididae Phyllaphidinae.

Page 361; **Sanaphis**
Text as published.—Taxonomic position: Aphididae Aphidinae.
Corrected text.—Taxonomic position: Aphidoidea incertae sedis.

Page 362; **Swirskiaphis**
Text as published.—Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.
Corrected text.—Taxonomic position: Aphididae Aphidinae Aphidini Phyllaphidinae.

Page 366; **Tertiaphis**
Text as published.—Taxonomic position: Aphididae Lizeriinae.
Corrected text.—Taxonomic position: Aphididae Phyllaphidinae.

Page 367; **Tetraneurites**
Text as published.—Taxonomic position: Aphididae Phyllaphidinae.
Corrected text.—Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Page 372; **Toxoptera**
Corrected text.—Subjective status: Valid — Senior synonym of Ceylonia Buckton, 1891 and Paratoxoptera Blanchard (E.E.), 1944.

Page 373; **Trachaphis**
Text as published.—Taxonomic position: Aphididae Phloeomyzinae.
Corrected text.—Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Page 383; **Unicohormaphis**
Text as published.—[WITHOUT ENTRY]

Page 383; **Ucrimyzus**
Text as published.—[WITHOUT ENTRY]

Page 391; **Yueaphis**
Text as published.—Taxonomic position: Aphididae Hormaphidinae.
Corrected text.—Taxonomic position: Aphidoidea incertae sedis.

Page 425; **Asiphonipponaphis**
Text as published.—[WITHOUT ENTRY]
Corrected text.—ETYMOLOGY: Greek a- ‘without’ + Greek siphôn + Nipponaphis / GENDER: Feminine

Page 426; **Bajsaphis**
Text as published.—[WITHOUT ENTRY]

Corrected text.—ETYMOLOGY: Baj(s) [locality, Russia] + Aphis / GENDER: Feminine
Page 432; *Dataiaphis*
  Text as published.—{WITHOUT ENTRY}

Page 433; *Dubiaaphis*
  Text as published.—{WITHOUT ENTRY}
  Corrected text.—ETYMOLOGY: Latin dubi(tātus) ‘doubted’ + Aphis / GENDER: Feminine

Page 436; *Gibbomyzus*
  Text as published.—{WITHOUT ENTRY}
  Corrected text.—ETYMOLOGY: Latin gibb(a) ‘bumpy’ + -o- + Myzus / GENDER: Masculine

Page 437; *Holmaniella*
  Text as published.—{WITHOUT ENTRY}
  Corrected text.—ETYMOLOGY: (Jaroslav) Holman [Czech aphidologist] + -i- + Latin -ella ‘little’ / GENDER: Feminine

Page 439; *Kugegania*
  Text as published.—Kuguga [locality, Kenya] + -n- + -ia
  Corrected text.—Kikuyu [African language] kugegania ‘something small and beautiful’

Page 442; *Maculaphis*
  Text as published.—{WITHOUT ENTRY}
  Corrected text.—ETYMOLOGY: Latin macul(a-) ‘spot’ + Aphis / GENDER: Feminine

Page 446; *Neoaualacorthum*
  Text as published.—{WITHOUT ENTRY}
  Corrected text.—ETYMOLOGY: Greek neó(s) + Aulacorthum / GENDER: Neuter

Page 446; *Neodermaphis*
  Text as published.—{WITHOUT ENTRY}
  Corrected text.—ETYMOLOGY: Greek neó(s) + Dermaphis / GENDER: Feminine

Page 446; *Neomariaella*
  Text as published.—{WITHOUT ENTRY}
  Corrected text.—ETYMOLOGY: Greek neó(s) + Mariaella / GENDER: Feminine

Page 447; *Neoreticulaphis*
  Text as published.—{WITHOUT ENTRY}
  Corrected text.—ETYMOLOGY: Greek neó(s) + Reticulaphis / GENDER: Feminine

Page 453; *Pseudotoxoptera*
  Text as published.—{WITHOUT ENTRY}
  Corrected text.—ETYMOLOGY: Greek pseudo ‘untrue’ + Toxoptera / GENDER: Feminine

Page 459; *Szelegiewiczia*
  Text as published.—{WITHOUT ENTRY}
  Corrected text.—ETYMOLOGY: (Henryk) Szelegiewicz [Polish aphidologist] + -ia / GENDER: Feminine

Page 462; *Ucrimyzus*
  Text as published.—{WITHOUT ENTRY}
  Corrected text.—ETYMOLOGY: UCR [acronym for Universidad de Costa Rica] + -i- + Myzus / GENDER: Masculine
Page 462; *Unico Hormaphis*

Text as published.—[WITHOUT ENTRY]
Corrected text.—ETYMOLOGY: Latin unico(rn) [mythological creature] + Hormaphis / GENDER: Feminine

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REFERENCES


