



## Nomenclatural changes in the suborders Auchenorrhyncha (Hemiptera) and Paleorrhyncha (Palaeohemiptera)

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### Abstract

Nomenclatural changes are proposed for numerous taxon names in the Insect orders Hemiptera and Palaeohemiptera. New replacement names are proposed for six genera, three subgenera, 55 species and six subspecies, additionally a homonymous name for a genus and eight homonymous names for species are substituted with the names of junior synonyms; 13 new synonyms are recognized; type species are fixed for four genera; 26 new combinations for species names are established.

**Key words:** Homoptera, homonym, synonym, nomen novum, replacement name, substitute name, classification, taxonomy

Nomenclatorial databases provide a powerful mechanism for validation of nomenclature related information. Work on the MOWD: Membracoidea of the World Database (McKamey, 2019) and the World Auchenorrhyncha Database (Dmitriev, 2003 onward), which was recently migrated into TaxonWorks (2020) already led to the discovery of several problems related to Auchenorrhyncha nomenclature (e.g. McKamey, 1994, Liang & McKamey, 1996, McKamey, 2003, McKamey, 2006, Dmitriev & Dietrich, 2006, McKamey & Hicks, 2007, Zahniser, McKamey & Dmitriev, 2012, Dmitriev & McKamey, 2013, Dmitriev & Deitz, 2017). To bring the taxonomy of this group into compliance with the rules of the International Code of Zoological Nomenclature (ICZN, 1999), numerous additional nomenclatorial changes are proposed in this paper.

### Results

#### Order Hemiptera

##### Aphrophoridae Amyot & Serville, 1843

##### Aphrophorinae Amyot & Serville, 1843

##### Aphrophorini Amyot & Serville, 1843

† *Aphrophora pitoni* **nom.nov.**

= *Aphrophora maculata* Piton, 1936a: 94 (from Eocene) primary homonym of *Aphrophora maculata* Capanni, 1894a: 292 (from Europe) and primary homonym of *Aphrophora maculata* Edwards, 1920a: 53 (a synonym of *Aphrophora costalis* Matsumura, 1903a: 36)

**Etymology:** The species is named in honor of L.E. Piton, the author of the replaced name.

## Cloviini Schmidt, 1920

### *Clovia atrata* **nom.nov.**

= *Clovia nigricans* Synave, 1969: 404 (from Senegal) primary homonym of *Clovia rugosa* var. *nigricans* Jacobi, 1917a: 544 (from Madagascar)

**Etymology:** Latin adjective *atratus*, blackish.

### *Liorhina froggatti* Distant, 1911c: 388

= *Clovia froggatti* var. *jacobi* (Lallemand, 1935a: 677) **syn.nov.** primary homonym of *Clovia declivis* var. *jacobii* Lallemand, 1912a: 43

**Notes:** *Clovia froggatti* var. *jacobi* (Lallemand, 1935a: 677) was described for an unnamed variety of this species, previously recognized by Jacobi (1921a). Hamilton (1980) transferred *C. froggatti* Distant and all its former subspecies (originally described as varieties) to the genus *Liorhina* Stål, but he did not mention *Clovia froggatti jacobi* in his publication. The homonymous variety is here treated as a synonym of *Liorhina froggatti* Distant and does not need to be replaced unless it is subsequently reinstated as a valid species-group name.

## Rhinaulacini Lallemand, 1949

### *Poeciloterpa palauensis* **nom.nov.**

= *Poeciloterpa minuta* Synave, 1957f: 229 (from Palau Island) secondary homonym of *Poeciloterpa minuta* (Lallemand, 1922a: 276) (from Luzon Island) originally described as *Poeciloptera* [sic] *nigrilumbata* [sic] var. *minuta* Lallemand, 1922.

**Etymology:** From Palau Island (western Pacific Ocean), adjective.

## Cloviini Schmidt, 1920

### *Lepyronia synavei* **nom.nov.**

= *Lepyronia angulata* Lallemand & Synave, 1955b: 5 (from China) secondary homonym of *Cercopis angulata* Fabricius, 1794a: 53 (synonym of *Lepyronia coleoptrata* (Linnaeus, 1758a: 437))

**Etymology:** The species is named in honor of Henri Synave (1921–1980), Belgian entomologist who specialized in Hemiptera.

**Notes:** The name *L. angulata* Lallemand & Synave could not be preserved under ICZN article 23.9, since it was barely used after the original description. The article requires that a name be used as valid in at least 25 works, published by at least 10 authors in the immediately preceding 50 years and encompassing a span of not less than 10 years.

## Philaenini

### *Philaenus ceylonicus* **nom.nov.**

= *Philaenus pallidus* (Melichar, 1903b: 135) (original genus *Ptyelus*; from Ceylon) secondary homonym of *Cercopis spumaria* var. *pallida* Zetterstedt, 1828a: 515 (synonym of *Philaenus spumarius* (Linnaeus, 1758a: 437))

**Etymology:** from Ceylon, adjective.

**Notes:** The name *Philaenus pallidus* (Melichar, 1903) could not be preserved under ICZN article 23.9 since the senior homonym was used as a valid subspecies name after 1899 and the junior homonym was not used as valid in 25 works, published by at least 10 authors.

## Cercopidae Leach, 1815

### Cercopinae Leach, 1815

#### Cercopini Leach, 1815

##### † *Cercopis giebeli* **nom.nov.**

= *Cercopis aurata* Giebel, 1862a: 314 (from Oligocene) primary homonym of *Bolidiana aurata* (Fabricius, 1787a: 274) (original genus *Cercopis*; from Brazil)

**Etymology:** Named in honor of Christoph Giebel (1820–1881), a German zoologist and palaeontologist.

**Notes:** ICZN Article 23.9.5 requires “when an author discovers that a species-group name in use is a junior primary homonym of another species-group name also in use, but the names apply to taxa not considered congeneric after 1899, the author must not automatically replace the junior homonym; the case should be referred to the Commission for a ruling under the plenary power...” However, according to the ICZN wiki (<http://iczn.anasp.org/wiki/Article24>), this article of the Code should only be applied to frequently used names (for which it is easy to find 25 publications in the sense of Article 23.9.2.). Since *Cercopis aurata* Giebel, 1862 is not a frequently used name, a new replacement name is proposed here.

##### † *Cercopis oswaldi* **nom.nov.**

= *Cercopis fasciata* Heer, 1853b: 100 (from Miocene) primary homonym of *Cercopis fasciata* Fabricius, 1787a: 275 (synonym of *Philaenus spumarius* (Linnaeus, 1758); widespread species)

**Etymology:** The species is named in honor of Oswald Heer (1809–1883), Swiss geologist and naturalist.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Cercopis fasciata* Heer, 1853 is not a frequently used name, a new replacement name is proposed here.

##### † *Cercopis oswaldheeri* **nom.nov.**

= *Cercopis pallida* Heer, 1853b: 97 (from Miocene) primary homonym of *Cercopis spumaria* var. *pallida* Zetterstedt, 1828a: 515 (synonym of *Philaenus spumarius* (Linnaeus, 1758); widespread species) and *Cosmoscarta pallida* (Walker, 1851b: 657); original genus *Cercopis*).

**Etymology:** The species is named in honor of Oswald Heer (1809–1883), Swiss geologist and naturalist.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Cercopis pallida* Heer, 1853 is not a frequently used name, a new replacement name is proposed here.

## Cosmoscartini Schmidt, 1920

### *Cosmoscarta ferruginea* (Walker, 1851b: 660) **reinstated**

= *Cercopis pallida* Walker 1851b: 657 (from India) primary homonym of *Cercopis spumaria* var. *pallida* Zetterstedt, 1828a: 515 (synonym of *Philaenus spumarius* (Linnaeus, 1758), widespread species).

= *Cercopis egens* Walker 1858b: 171

= *Cosmoscarta luangana* Lallemand, 1927b: 108 **syn.nov.**

**Notes:** Due to homonymy of the oldest name for this species, the name of the next oldest junior synonym is reinstated as a valid name for this taxon.

### *Gynopygoplax metcalfi* **nom.nov.**

= *Gynopygoplax costalis* (Walker, 1851b: 651) (original genus *Cercopis*; from Philippine Islands) primary homonym of *Cuernia costalis* (Fabricius, 1803a: 4) (original genus *Cercopis*; from North America)

= *Gynopygoplax walkeri* Metcalf, 1961a: 425 replacement name for *Gynopygoplax costalis* (Walker, 1851) primary homonym of *Gynopygoplax submaculata* var. *walkeri* Lallemand, 1912a: 129 (from Java)

**Etymology:** The species is named in honor of Zeno Payne Metcalf (1885–1956), an entomologist who specialized in Auchenorrhyncha, North Carolina State University (Raleigh, USA)

### **Eoscartini Lallemand, 1924**

*Eoscarta (Keducarta) atrata* **nom.nov.**

= *Eoscarta (Keducarta) fusca* Lallemand, 1949a: 50 (from Malay Peninsula) primary homonym of *Eoscarta (Paraeoscarta) liternoides* var. *fusca* Lallemand, 1935a: 679 (from Java).

**Etymology:** Latin adjective *atratus*, darkened.

### **Euryaulacini Schmidt, 1920**

*Leptataspis lallemandi* **nom.nov.**

= *Leptataspis major* Lallemand, 1928e: 201 (described as *Leptataspis perakensis* var. *major* Lallemand; from Sumatra) primary homonym of *Leptataspis polyxena* var. *major* Schmidt, 1911e: 112 (from Sumatra)

**Etymology:** The species is named in honor of Victor Lallemand (1880–1965), a Belgian entomologist who specialized in Auchenorrhyncha.

### **Locrisini Lallemand, 1949**

*Locris thunbergi* **nom.nov.**

*Locris transversa* (Thunberg, 1822a: 4) (original genus *Cercopis*; from Africa) primary homonym of *Cercopis transversa* Fabricius, 1798a: 523 (synonym of *Aphrodes bicincta* (Schrank, 1776a: 75), widespread species)

**Etymology:** The species is named in honor of Carl Peter Thunberg (1743–1828), a Swedish naturalist.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Locris transversa* (Thunberg, 1822) is not a frequently used name, a new replacement name is proposed here.

### **Trichoscartini Lallemand, 1949**

= *Trichoscarta roborea lallemandi* **nom.nov.**

*Trichoscarta roborea interrupta* Lallemand, 1939b: 58 (from Borneo) primary homonym of *Trichoscarta pendleburyi* var. *interrupta* Lallemand, 1930b: 100 (from Malaya)

**Etymology:** The species is named in honor of Victor Lallemand (1880–1965), a Belgian entomologist who specialized in Auchenorrhyncha.

### **Ischnorhininae Schmidt, 1920**

#### **Neaenini Metcalf, 1939**

*Zuata quinquesignata* (Lallemand, 1938d: 378) **reinstated, comb.nov.**

= *Zuata bipunctata* (Lallemand, 1924d: 378) (original genus *Tomaspis*; from Colombia) primary homonym of *Sphenorhina bipunctata* (Lallemand, 1912a: 96) (original genus *Tomaspis*; from Peru)

**Notes:** Due to homonymy of the oldest name for this species, the name of the next oldest junior synonym is reinstated as a valid name for this taxon.

### **Tomaspidini Jacobi, 1921**

*Sphenorhina fasciata* **nom.nov.**

= *Sphenorhina unifasciata* Carvalho & Sakakibara, 1999: 95 (from Brazil) primary homonym of *Sphenorhina simulans* var. *unifasciata* Lallemand, 1927b: 115 (synonym of *Prosapia simulans* (Walker, 1858b: 183); from South America)

**Notes:** Latin adjective *fasciatus*, with band(s).

### **Cicadidae Latreille, 1802**

*Cicada fusca* Müller, 1776a: 102 *nomen dubium* (from Northern Europe) primary homonym of *Cicada laternaria fusca* De Geer, 1773: 200

**Notes:** Although the name is a homonym, a replacement name is not proposed because the name has not been used since its original publication and the identity of the species has never been established. If the identity of the species is ever recognized, it will be treated as *nomen oblitum* (ICZN article 23.9).

### **Cicadinae Latreille, 1802**

#### **Cicadini Latreille, 1802**

† *Cicada heeri* **nom.nov.**

= *Cicada bifasciata* Heer, 1853b: 90 (from Miocene) primary homonym of *Planaphrodes bifasciata* (Linnaeus, 1758a: 436) (original genus *Cicada*; widespread Palaearctic species)

**Etymology:** The species is named in honor of Oswald Heer (1809–1883), Swiss geologist and naturalist.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Cicada bifasciata* Heer, 1853 is not a frequently used name, a new replacement name is proposed here.

### **Cryptotympanini Handlirsch, 1925**

*Chremistica elenae seychellica* **nom.nov.**

= *Chremistica elenae seychellensis* (Boulard, 2001f: 136) (from Seychelles) secondary homonym of *Chremistica pulverulenta seychellensis* (Boulard, 1999a: 79) (original genus *Antankaria*; from Seychelles)

**Etymology:** from Seychelles, adjective.

*Diceroprocta swalei davis* **nom.nov.**

= *Diceroprocta castanea* (Davis, 1916a: 49) (original genus *Cicada*; from USA) primary homonym of *Cicada castanea* Gmelin, 1789a: 2116 (synonym of *Penthimia nigra* (Goeze, 1778a: 161); widespread European species)  
= *Diceroprocta swalei* var. *davis* Metcalf, 1963e: 201 **infrasubspecific**

**Etymology:** The subspecies is named in honor of William Thompson Davis (1862–1945), an entomologist who specialized in Cicadidae, Staten Island Museum (USA, New York).

**Notes:** Metcalf (1963e) proposed a replacement name *Diceroprocta swalei* var. *davisi* Metcalf, 1963e: 201 for *C. castanea* Davis, but this name is not available since it is described as infrasubspecific after 1960 (ICZN Article 15.2).

*Capcicada absimilis* (Distant, 1897a: 128) **reinstated**

=*Capcicada decora* (Germar, 1834a: 79) (original genus *Cicada*; from Africa) primary homonym of *Calliscarta decora* (Fabricius, 1803a: 69) (original genus *Cicada*; from Venezuela)

**Notes:** Metcalf (1963e: 53) used *Platypleura absimilis* (Distant, 1897) as the valid name for the taxon. He placed *Cicada decora* Germar, 1834 as a synonym of *P. absimilis*, but did not specify the reasons of invalidity of *C. decora* Germar, 1834, the senior synonym. Villet (1989b: 59), describing *Capcicada*, and being unaware of the homonymy, designated *C. decora* Germar, 1834 as the type species of the genus and placed *Platypleura absimilis* Distant, 1897 in the list of synonyms. This was repeated in the Catalogue of Cicadas by Sanborn (2014). To avoid homonymy, the name *Capcicada adsimilis* (Distant) is used as a substitute name for *Cicada decora* Germar, following Metcalf (1963).

## Tibicininae Buckton, 1889

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*Okanagana synodica atrata* **nom.nov.**

*Okanagana synodica* var. *nigra* Davis, 1944a: 220 (from the United States) primary homonym of *Okanagana pallidula* var. *nigra* Davis, 1938a: 308 (synonym of *Okanagana pallidula* Davis, 1917b: 213; from the United States)

**Etymology:** Latin adjective *atratus*, darkened, blackened

## Dysmorphoptilidae Handlirsch, 1906

† *Mesonirvana* Evans, 1956a: 191 **reinstated**

Type species: *Mesonirvana abrupta* Evans, 1956

= † *Eoscartoides* Evans, 1956a: 220 (type species: *Eoscartoides bryani* Evans, 1956a: 221) homonym of *Eoscartoides* Matsumura, 1940a: 69 (type species: *Eoscartoides elongates* Matsumura, 1940a: 70) (synonym of *Eoscarta* Breddin, 1902d: 58; Cercopidae).

### Species included:

† *Mesonirvana bryani* (Evans, 1956a: 221) **comb.nov.** (original genus *Eoscartoides*)

† *Mesonirvana dmitryi* (Lambkin, 2016b: 211) **comb.nov.** (original genus *Eoscartoides*)

† *Mesonirvana orthoclada* (Tillyard, 1922b: 463) **comb.nov.** (original genus *Mesocixiodes*)

**Notes:** Lambkin (2016b) synonymized *Mesonirvana* Evans with *Eoscartoides* Evans, but *Eoscartoides* is a preoccupied name. Following ICZN Article 60, the name of a junior synonym is proposed as a substitute name for this taxon.

## Aetalionidae Spinola, 1850

### Aetalioninae Spinola, 1850

#### Aetalionini Spinola, 1850



*Aetalion parvum* **nom.nov.**

=*Aetalion minor* Fowler, 1897a: 172 (from Mexico) secondary homonym of *Tettigonia minor* Turton, 1802a: 582 (synonym of *Aetalion reticulatum* (Linnaeus, 1758a: 426); from South America)

**Etymology:** Latin adjective *parvus*, small.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Aetalion minor* Fowler, 1897 is not a frequently used name, a new replacement name is proposed here.

## Aphrodinae Haupt, 1927

### Xestocephalini Baker, 1915

*Xestocephalus freytagi* **nom.nov.**

*Xestocephalus fasciatus* Freytag, 2020a:282 (from Colombia) primary homonym of *Xestocephalus fasciatus* Evans, 1954a:127 (from Madagascar)

**Etymology:** The species is named in honor of Paul H. Freytag, an entomologist specializing in Cicadellidae, University of Kentucky (Lexington, USA).

*Xestocephalus neobadius* **nom.nov.**

= *Xestocephalus badius* DeLong, Wolda & Estribi, 1980a: 257 (from Panama) primary homonym of *Xestocephalus badius* Evans, 1954a: 128 (from Madagascar)

**Etymology:** Greek: νέος (new) + *X. badius* DeLong, Wolda & Estribi, 1980, from Latin adjective: *badius*, bay, reddish-brown, chestnut.

## Cicadellinae Latreille, 1825

### Cicadellini Latreille, 1825

*Atkinsoniella tripunctata* **nom.nov.**

= *Atkinsoniella trimaculata* Li, 1992b: 347 (from China) secondary homonym of *Kolla trimaculata* Schmidt, 1911b: 297 (synonym of *Atkinsoniella opponens* (Walker, 1851b: 757); from Indonesia)

**Etymology:** Latin participle *tripunctatus*, having tree dots.

*Bothrogonia obscurata* **nom.nov.**

=*Bothrogonia obscura* (Walker, 1851b: 738) (original genus *Tettigonia*; from Asia) primary homonym of *Tettigonia obscura* Fabricius, 1803a: 36 (synonym of *Lyristes plebejus* (Scopoli, 1763); widespread European species)

**Etymology:** Latin adjective *obscuratus*, somewhat darkened.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Bothrogonia obscura* (Walker, 1851) is not a frequently used name, a new replacement name is proposed here.

† *Cicadella parobtectata* **nom.nov.**

=*Cicadella obtectata* (Scudder, 1877a: 760) (original genus *Tettigonia*; from Miocene) primary homonym of *Dicero-pyga obtectata* (Fabricius, 1803a: 35) (original genus *Tettigonia*; from Indonesia)

**Etymology:** Greek: παρ, near + *C. obtectata* (Scudder, 1877), from Latin participle *obtectus*, covered.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Cicadella obtecta* (Scudder, 1877) is not a frequently used name, a new replacement name is proposed here.

*Conogonia testaceipennis* **nom.nov.**

=*Conogonia testacea* (Walker, 1870b: 304) (original genus *Tettigonia*; from Philippines) primary homonym of *Huechys incarnata testacea* (Fabricius, 1787a: 267) (original genus *Tettigonia*; from India)

**Etymology:** Latin: *testaceus*, brick-colored + *pennis*, winged, an adjective.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Conogonia testacea* (Walker, 1870) is not a frequently used name, a new replacement name is proposed here.

*Erythrogonia victori* **nom.nov.**

=*Erythrogonia dorsalis* (Signoret, 1853b: 349) (original genus *Tettigonia*; from Brazil) primary homonym of *Quintilia dorsalis* (Thunberg, 1822a: 6) (original genus *Tettigonia*; from South Africa)

**Etymology:** The species is named in honor of Victor Antoine Signoret (1816–1889), a French pharmacologist, physician, and entomologist.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Erythrogonia dorsalis* (Signoret, 1853) is not a frequently used name, a new replacement name is proposed here.

*Erythrogonia splendidula* **nom.nov.**

=*Cicada festiua* Fabricius, 1798: 521 (from South America) primary homonym of *Cicada festiva* Fabricius, 1794: 39 (synonym of *Eupteryx aurata* (Linnaeus, 1758: 439); widespread European species)

=*Erythrogonia splendida* (Fabricius, 1803a: 68) (original genus *Cicada*) replacement name for *Cicada festiua* Fabricius, 1798; primary homonym of *Cicada splendida* Turton, 1802a: 598 (unnecessary replacement name for *Lamprotettix nitidulus* (Fabricius, 1787a: 273); from Europe)

**Etymology:** Latin adjective *splendidulus*, somewhat shiny, glittering.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Erythrogonia splendida* (Fabricius, 1803) is not a frequently used name, a new replacement name is proposed here.

*Fusigonalia signoreti* **nom.nov.**

=*Fusigonalia obtecta* (Signoret, 1855d: 798) (original genus *Tettigonia*; from South America) primary homonym of *Diceropyga obtecta* (Fabricius, 1803a: 35) (original genus *Tettigonia*; from Asia)

**Etymology:** Named in honor of Victor Antoine Signoret (1816–1889), a French pharmacologist, physician, and entomologist.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Fusigonalia obtecta* (Signoret, 1855) is not a frequently used name, a new replacement name is proposed here.

*Scoposcartula concinnula* **nom.nov.**

=*Scoposcartula concinna* (Perty, 1833a: 180) (original genus *Tettigonia*; from Brazil) primary homonym of *Eurhadina concinna* (Germar, 1831a: pl.12) (original genus *Tettigonia*; widespread European species)

**Etymology:** Latin adjective *concinnulus*, somewhat elegant, pretty.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Scoposcartula concinna* (Perty, 1833) is not a frequently used name, a new replacement name is proposed here.



*Sonesimia magna* **nom.nov.**

=*Sonesimia grossa* (Signoret, 1854a: 24) (original genus *Tettigonia*; from Brazil) primary homonym *Diceroprocta grossa* (Fabricius, 1775a: 678) (original genus *Tettigonia*; from USA)

**Etymology:** Latin adjective *magnus*, large, big.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Sonesimia grossa* (Signoret, 1854) is not a frequently used name, a new replacement name is proposed here.

*Tylozygus fuscolineellus* (Fowler, 1900d: 290) **reinstated**

=*Tettigonia fasciata* Walker, 1851b: 780 (original genus *Tettigonia*; from USA) primary homonym of *Tosena fasciata* (Fabricius, 1787) (original genus *Tettigonia*; from Java)

=*Tettigonia fuscolineella* var. *fronterae* Fowler, 1900d: 290 **syn.nov.**

**Notes:** Due to homonymy of the oldest name for this species, the name of the next oldest junior synonym is reinstated as a valid name for this taxon.

*Tettigonia kanalensis* **nom.nov.**

=*Tettigonia amaena* Perroud & Montrouzier, 1864a: 244 (from New Caledonia) primary homonym with alternative spelling -ae/-oe- of *Pawiloma amoena* (Walker, 1851) (original genus *Tettigonia*; from South America)

**Etymology:** from Kanala (New Caledonia).

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Tettigonia amaena* (Perroud & Montrouzier, 1864) is not a frequently used name, a new replacement name is proposed here.

*Tettigonia dimidia* **nom.nov.**

=*Tettigonia dimidiata* Signoret, 1853c: 680 (from Java) primary homonym of *Tettigonia dimidiata* Fabricius, 1803a: 42 (synonym of *Cicadetta montana* (Scopoli, 1772a: 109); from Europe)

**Etymology:** Latin adjective *dimidius*, divided in half.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Tettigonia dimidiata* Signoret, 1853 is not a frequently used name, a new replacement name is proposed here. It is important to notice that some copies of the same edition of Fabricius' (1803a) book, apparently, have corrections made directly in the text, in addition to the Emendanda slip attached at the end of the book. The University of Illinois at Urbana-Champaign Library (USA) has two copies of the book. One of the copies has the taxon 50 on page 42 marked as *dimidiata*, while the other copy has the same taxon labeled as *haematodes*. Apparently in the middle of the printing process, an incorrect identification was discovered, and a new species name was introduced. The name is still available according to ICZN (1999), since the name was published in numerous copies of the book.

*Molomea signoreti* Melichar, 1925a: 402 **reinstated, comb.nov.**

= *Molomea cincta* (Signoret, 1854b: 363) (original genus *Tettigonia*; from Brazil) primary homonym of *Diemeniana cincta* (Fabricius, 1803a: 38) (original genus *Tettigonia*; from New Caledonia)

**Notes:** Due to homonymy of the oldest name for this species, the name of the next oldest junior synonym is reinstated as a valid name for this taxon.

*Paraulacizes ochracea* (Walker, 1858b: 244) **reinstated; comb.nov.**

*Paraulacizes aurantiaca* (Signoret, 1855b: 225) (original genus *Tettigonia*; from Mexico) primary homonym of † *Cicadella aurantiaca* (Heer, 1853b: 109) (original genus *Tettigonia*, Tertiary).

**Notes:** Due to homonymy of the oldest name for this species, the name of the next oldest junior synonym is reinstated as a valid name for this taxon.

## Coelidiinae Dohrn, F., 1859

### Coelidiini Dohrn, F., 1859

#### *Tripesidia obscurata* **nom.nov.**

=*Tripesidia obscura* (Stål, 1870c: 735) (original genus *Jassus*, from Philippines) primary homonym of *Jassus fruticola* var. *obscurus* Zetterstedt, 1828a: 543 (synonym of *Oncopsis flavicollis* (Linnaeus, 1761a: 242); from Europe)

**Etymology:** Latin adjective *obscuratus*, somewhat dark, dusky.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Tripesidia obscura* (Stål, 1870) is not a frequently used name, a new replacement name is proposed here.

### Teruliini Nielson, 1979

#### *Docalidia carinata* (Osborn, 1924c: 444) **reinstated, comb.nov.**

=*Docalidia pallida* Osborn, 1924c: 442 (original genus *Jassus*; from Brazil) primary homonym of *Jassus (Deltocephalus) striatus* var. *pallidus* Flor, 1861a: 262 (synonym of *Psammotettix striatus* (Linnaeus, 1758a: 437); wide-spread species)

**Notes:** Due to homonymy of the oldest name for this species, the name of the next oldest junior synonym is reinstated as a valid name for this taxon.

### Youngolidiini Nielson, 1983

#### *Youngolidia vittipennis* (Spångberg, 1878b: 35) **reinstated, comb.nov.**

= *Youngolidia patruelis* Spångberg, 1878b: 32 (original genus *Jassus*; from Colombia) primary homonym of *Caf-frolix patruelis* (Stål, 1859b: 295) (original genus *Jassus*; from South Africa)

**Notes:** Due to homonymy of the oldest name for this species, the name of the next oldest junior synonym is reinstated as a valid name for this taxon.

## Deltocephalinae Dallas, 1870

### Athysanini Van Duzee, 1892

#### *Thamnotettix fuscus* **nom.nov.**

=*Thamnotettix infuscatus* Matsumura, 1911b: 28 (from Sakhalin, Russia) primary homonym of *Thamnotettix infuscata* Gillette & Baker, 1895 (synonym of *Thamnotettix confinis* Zetterstedt, 1828a: 527, from Colorado, USA)

=*Thamnotettix matsumurai* McKamey & Hicks, 2007a: 933 replacement name for *Thamnotettix infuscatus* Matsumura, 1911; primary homonym of *Melillaia matsumuri* (Metcalfe, 1955) (original genus *Thamnotettix*)

**Etymology:** Latin adjective *fuscus*, dark, dusky.

**Notes:** McKamey & Hicks (2007) proposed a replacement name for *T. infuscatus* Matsumura, 1911. Unfortunately, this name is also a homonymic name with variant spelling (ICZN Article 58).

### Bahitini Zahniser & Dietrich, 2013

#### *Parakyra* **nom.nov.**

type species *Kyra paranaigua* Zanol, 2011b: 2

=*Kyra* Zanol, 2011b: 1 (type species *Kyra paranaigua* Zanol, 2011b: 2) homonym of *Kyra* Gozmány, 1958 (Lepidoptera, Pyralidae, type species *Myelois cirrigerella* Zincken, 1818)

**Etymology:** Greek: παρά (near) + *Kyra* Zanol, 2011; from Tupi (Tupian language family spoken in South America): *kyra*, new; gender feminine.

**Included species:**

*Parakyra guaira* (Zanol, 2011) **comb.nov.** (original genus *Kyra*)

*Parakyra paranaigua* (Zanol, 2011) **comb.nov.** (original genus *Kyra*)

*Parakyra umbrina* (Linnavuori, 1955) **comb.nov.** (original genus *Bahita*)

**Deltocephalini Dallas, 1870**

*Maiestas lineata* **nom.nov.**

=*Maiestas bilineata* Dash & Viraktamath, 1998a: 14 (original genus *Deltocephalus*; from India) primary homonym of *Cosmotettix bilineatus* (Gillette & Baker, 1895a: 85) (original genus *Deltocephalus*; from USA)

**Etymology:** Latin adjective *lineatus*, lined.

*Maiestas parajogensis* **nom.nov.**

*Maiestas truncata* Dash & Viraktamath, 1998a: 29 (original genus *Deltocephalus*; from India) primary homonym of *Miraldus truncatus* (Melichar, 1902b: 80) (original genus *Deltocephalus*; from Spain and Portugal)

**Etymology:** Greek: παρά (near) + *Maiestas jogensis* (Dash & Viraktamath, 1998), from from Jog Falls (India); adjective; referring to similarity to this species.

**Drabescini Ishihara, 1953**

*Chandrashekara* **nom.nov.**

type species: *Chandra dehradunensis* Meshram, 2017

=*Chandra* Meshram in Meshram, Shashank & Sinha, 2017: 4 (type species: *Chandra dehradunensis* Meshram, 2017) homonym of *Chandra* George, 2004 (type species: *Chandra taylorae*, George, 2004; synonym of *Katianira* Hanse, 1916; Isopoda: Katianiridae)

**Etymology:** The genus is named in honor of Chandrashekara A. Viraktamath, an entomologist specializing in Auchenorrhyncha, University of Agricultural Sciences (India, Bangalore); the gender is masculine.

**Included species:**

*Chandrashekara dehradunensis* (Meshram, 2017) **comb.nov.** (original genus *Chandra*)

**Mukariini Distant, 1908**

*Scaphotettix curvatus* **nom.nov.**

=*Scaphotettix arcuatus* Viraktamath & Webb, 2019: 27 (from India) primary homonym of *Scaphomonus arcuatus* (Viraktamath & Mohan, 1994: 466) (original genus *Scaphotettix*; from India)

**Etymology:** Latin adjective *curvatus*, bent, curved (referring to the shape of the ventral pygofer process).

## Opsiini Emeljanov, 1962

*Masiripius* Dlabola, 1981: 273

Type species *Mahalana lubugris* Distant, 1918 (here designated)

**Notes:** The genus *Masiripius* Dlabola, 1981 (p. 273) was established with the type species *Platymetopius zizyphi* Bergevin, 1922 by original designation.

Viraktamath & Murthy (1999: 44) pointed out the misidentification of the type species of *Masiripius* by Dlabola (1981) and proposed the actual taxonomic species studied by Dlabola, *Mahalana lugubris* Distant, 1918, as the new type species of the genus. Unfortunately, according to the 3rd edition of the International Code of Zoological Nomenclature (ICZN, 1985), effective at that time, this was an illegitimate action. The cases of type species misidentification (Article 70b) had to be referred to the Commission for resolution. The 4th edition of the International Code of Zoological Nomenclature (ICZN, 1999) allows resolution of the cases like this one without application to the Commission. Article 70.3.2 is applied here to fix *Mahalana lubugris* Distant, 1918, the taxonomic species actually involved in the misidentification as the type species of the genus *Masiripius*.

This action preserves the genus *Oshaibahus* El-Sonbati & Wilson, 2017 in El-Sonbati, Wilson & Al Dhafer (2017: 10) as valid because the latter was established based on the type species *Platymetopius zizyphi* Bergevin, 1922 (by original designation).

## Scaphytopiini Oman, 1943

*Scaphytopius breviceps* **nom.nov.**

=*Scaphytopius abruptus* (DeLong, 1944c: 44) (original genus *Hebenarus*; from Mexico) secondary homonym of *Platymetopius abruptus* Ball, 1909c: 165 (synonym of *Scaphytopius (Convelinus) fuscifrons* (Van Duzee, 1894d: 206); from USA)

=*Scaphytopius delongi* McKamey & Hicks, 2007a: 933 replacement name for *Scaphytopius abruptus* (DeLong, 1944) primary homonym of *Scaphytopius (Cloanthanus) acutus delongi* Young, 1952c: 248 (from USA)

**Etymology:** Latin: *brevis*, short + *ceps*, head; noun.

**Notes:** McKamey & Hicks (2007) proposed a new name for *Scaphytopius abruptus* (DeLong, 1944), but this name is also a homonym and needs a replacement.

## Eurymelinae Amyot & Serville, 1843

### Idiocerini Baker, 1915

*Idiocerus (Idiocerus) rutilus* **nom.nov.**

=*Idiocerus fulvus* Osborn, 1923b: 17 (from Brazil) primary homonym of *Idiocerus scurra* var. *fulvus* Rey, 1894b: 30 (synonym of *Rhytidodus decimusquartus* (Schrank, 1776a: 76); from Europe)

**Etymology:** Latin adjective *rutilus*, reddish yellow.

**Notes:** The name *Idiocerus fulvus* Osborn cannot be considered a *nomen protectum*, according to ICZN Article 23.9.1. since the name was not used in 25 works, published by at least 10 authors.

*Idiocerus inauditus* **nom.nov.**

=*Idiocerus rossi* Freytag & Cwikla, 1984a: 341 (from Madagascar) primary homonym of *Idiocerus rossi* Freytag, 1965a: 405 (synonym of *Idiocerus nervatus* Van Duzee, 1894f: 205; from the USA)

**Etymology:** Latin adjective *inauditus*, novel, new.

*Longicaudata* **nom.nov.**

type species *Longicauda trilineata* Zhang & Wu, 2000

=*Longicauda* Zhang & Wu, 2000a: 23 (type species *Longicauda trilineata* Zhang & Wu, 2000) homonym of *Amoeba* (*Longicauda*) Korotneff, 1880a: 470 (type species *Longicauda amoebina* Korotneff, 1880a: 470; Sarcomastigophora: Amoebidae)

**Etymology:** Latin: longus (long) + cauda (tail); the gender is feminine.

**Included species:**

*Longicaudata circula* (Freytag, 2014) **comb.nov.** (original genus *Longicauda*)

*Longicaudata fasciata* (Freytag, 2014) **comb.nov.** (original genus *Longicauda*)

*Longicaudata loeiensis* (Freytag, 2014) **comb.nov.** (original genus *Longicauda*)

*Longicaudata obliqua* (Freytag, 2014) **comb.nov.** (original genus *Longicauda*)

*Longicaudata plura* (Freytag, 2014) **comb.nov.** (original genus *Longicauda*)

*Longicaudata quadrata* (Freytag, 2014) **comb.nov.** (original genus *Longicauda*)

*Longicaudata similis* (Freytag, 2014) **comb.nov.** (original genus *Longicauda*)

*Longicaudata trilineata* (Zhang & Wu, 2000) **comb.nov.** (original genus *Longicauda*)

**Macropsini Evans, 1935**

*Macropsis* (*Macropsis*) *firma* **nom.nov.**

=*Macropsis* (*Macropsis*) *robusta* Li, Dai & Li, 2012 in Li, Dai, Li & Tishechkin, 2012a: 58 (from China) primary homonym of *Macropsis* (*Neomacropsis*) *robusta* Breakey, 1932a: 823 (from North America)

**Etymology:** Latin adjective *firmus*, firm, solid, strong.

*Macropsis atrata* **nom.nov.**

=*Macropsis ater* Huang & Viaktamath, 1993a: 368 (from Taiwan) primary homonym of *Momoria atra* (Baker, 1900a: 56) (from the USA, original genus *Macropsis*).

**Etymology:** Latin adjective *atratus*, blackened, darkened.

*Macropsis viridicephalus* **nom.nom.**

=*Macropsis viridiceps* Evans 1941e: 40 primary homonym of *Macropsis glandacea* var. *viridiceps* Wagner, 1941a: 104 (synonym of *Macropsis glandacea* Fieber 1868a: 458)

**Etymology:** Latin *viridis*, green + Greek: κέφαλος, head. The name is a noun in apposition.

**Notes:** Hamilton (1980) noted that *M. viridiceps* Evans is preoccupied by *Macropsis viridiceps* Wagner since Wagner's name was published in April 1941 and Evans' in July 1941. However, he did not propose a replacement name.

*Pediopsoides* (*Pseudonanopsis*) **nom.nov.**

type species: *Bythoscopus distinctus* Van Duzee, 1890, **fixed here**

=*Pediopsoides* (*Nanopsis*) Freytag, 1974a: 605 (type species: *Bythoscopus distinctus* Van Duzee, 1890, **fixed here**) homonym of † *Nanopsis* Henningsmoen, 1954a: 56 (fossil Ostracoda; type species: *Beyrichia nanella* Moberg & Segerberg, 1906)

**Etymology:** The new proposed name is derived from the original genus name *Nanopsis* Freytag, 1974, from Greek *vánvos*, dwarf + *ōpsis*, appearance with Greek prefix: *ψευδο-* (false). The gender is feminine.



**Included species:**

*Pediopsoides (Pseudonanopsis) davisi* (Knull, 1940a: 372) (original genus *Macropsis*)

*Pediopsoides (Pseudonanopsis) distinctus* (Van Duzee, 1890i: 225) (original genus *Bythoscopus*)

**Notes:** Hamilton (1980b) stated that Freytag (1974a) when establishing the genus *Nanopsis* misidentified its type species, *Jassus vertices* Say, which is placed now in the genus *Idiocerus*. Hamilton stated that the species studied by Freytag was actually *Bythoscopus distinctus* Van Duzee and proposed it as the type species of the genus. Unfortunately, this could not be accepted as a valid type designation according to the Third Edition of the International Code of Zoological Nomenclature (ICZN, 1964). At that time, application to the Commission was the only possible solution and such an application was never submitted. Following article 70.3.2 of the most recently published version of the Code (ICZN, 1999), the taxonomic species actually involved in the misidentification, *Bythoscopus distinctus* Van Duzee, 1890, is here fixed as the type species.

*Oncopsis (Oncopsis)* Burmeister, 1838a: 10 (type species: *Cicada flavicollis* Linnaeus, 1761 by subsequent designation of Westwood, 1840)

=*Oncopsis (Sispocnis)* Anufriev, 1967a: 174 **syn.nov.** (type species *Bythoscopus juglans* Matsumura, **fixed here**)

**Notes:** Hamilton (1980b) stated that Anufriev (1967a), when establishing the subgenus *Sispocnis*, misidentified its type species, *Bythoscopus juglans* Matsumura, which is now considered a synonym of *Oncopsis nitobei* (Matsumura, 1912b: 303). Hamilton noticed that the species studied by Anufriev was actually *Oncopsis kurentsovi* Anufriev, 1977 and proposed it as the type species of the genus. Unfortunately, this could not be accepted as a valid type designation according to the Third Edition of the International Code of Zoological Nomenclature (ICZN, 1964). At that time, application to the Commission was the only possible solution. Besides, *O. kurentsovi* Anufriev, was not yet described when *Sispocnis* was established. Following article 70.3.1 (ICZN, 1999), the nominal species previously cited as type species, *Bythoscopus juglans* Matsumura, is fixed here, making *Sispocnis* a synonym of *Oncopsis (Oncopsis)*. A new subgenus name is established here to include species formerly placed in *Sispocnis*.

*Pediopsoides (Neosispocnis)* **subgen.nov.**

Type species: *Oncopsis kurentsovi* Anufriev, 1977

**Description:** Please see the original description of *Oncopsis (Sispocnis)* Anufriev, 1967.

**Notes:** *Pediopsoides (Neosispocnis)* is described here to replace *Oncopsis (Sispocnis)* Anufriev, 1967 which was described based on the species with incorrectly identified type specimen.

**Etymology:** The name is derived from *Sispocnis* Anufriev, 1967, which is a partial anagram of *Oncopsis*, plus Greek prefix véo- (new). The gender is feminine.

**Included species:**

*Pediopsoides (Neosispocnis) aomians* (Kuoh, 1981) (original genus *Oncopsis*)

*Pediopsoides (Neosispocnis) dilatus* Dai & Zhang, 2009 (original genus *Pediopsoides*)

*Pediopsoides (Neosispocnis) kogotensis* (Matsumura, 1912) (original genus *Bythoscopus*)

*Pediopsoides (Neosispocnis) kurentsovi* (Anufriev, 1977b: 12) (original genus *Oncopsis*)

*Pediopsoides (Neosispocnis) rectus* Li, Li & Dai, 2019 (original genus *Pediopsoides*)

*Pediopsoides (Neosispocnis) sharmai* (Viraktamath, 1981b: 308) (original genus *Sispocnis*)

*Pediopsoides (Neosispocnis) triangulus* Li, Li & Dai, 2019 (original genus *Pediopsoides*)

**Evacanthinae Metcalf, 1939****Evacanthini Metcalf, 1939**

*Evacanthus bellulus* **nom.nov.**

=*Evacanthus bellus* Distant, 1918b: 11 (original genus *Euacanthus*; from India) primary homonym of † *Evacanthus*



*bellus* Meunier, 1914a: 192 (original genus *Euacanthus*; from Oligocene)

**Etymology:** Latin adjective *bellulus*, diminutive from *bellus*, pretty, lovely, beautiful.

*Evacanthus* (*Neocanthus*) **nom.nov.**

type species *Euacanthus ogumae* Matsumura, 1911

= *Evacanthus* (*Paracanthus*) Anufriev, 1978a: 63 (type species *Euacanthus ogumae* Matsumura, 1911, by original designation) homonym of *Paracanthus* Merriam, 1973 (type species *Aulophyllum richardsoni* Meek, 1867; Cnidaria: Rugosa)

**Etymology:** A proposed new subgenus name is derived from the original name, *Paracanthus* Anufriev, 1978, with Greek prefix véo- (new). The gender is masculine.

**Included species:**

*Evacanthus* (*Neocanthus*) *ogumae* (Matsumura, 1911b: 21) (original genus *Euacanthus*)

## Iassinae Walker, 1870

### Gyponini Stål, 1870

*Gypona* (*Marganalana*) *delongi* **nom.nov.**

= *Gypona* (*Marganalana*) *palens* DeLong, 1980f: 229 (from Brazil) primary homonym with alternative spelling (ICZN, 1999, Article 58.7) of *Gypona pallens* Burmeister, 1839b: 2 (from Brazil)

**Etymology:** The species is named in honor of Dwight Moore DeLong (1892–1984), an entomologist who specialized in Auchenorrhyncha, Ohio State University (Columbus, USA).

*Gyponana* (*Gyponana*) *freytagi* **nom.nov.**

= *Gyponana* (*Gyponana*) *arta* DeLong & Freytag, 1964a: 116 (from Mexico) primary homonym with alternative spelling (ICZN, 1999, Article 58.8) of *Gyponana arcta* DeLong, 1942d: 29 (synonym of *Gyponana striata* (Burmeister, 1839b: 3); from the USA)

**Etymology:** The species is named in honor of Paul H. Freytag, an entomologist specializing in Cicadellidae, University of Kentucky (Lexington, USA).

*Polana* (*Hobemanella*) *freytagi* **nom.nov.**

= *Polana* (*Hobemanella*) *chelata* DeLong & Freytag, 1972f: 244 (from Peru) secondary homonym with alternative spelling (ICZN, 1999, Article 58.10) of *Polana (Nihilana) celata* (Fowler, 1903b: 316) (original genus *Gypona*; from North and Central America)

**Etymology:** The species is named in honor of Paul H. Freytag, an entomologist specializing in Cicadellidae, University of Kentucky (Lexington, USA).

*Polana* (*Polana*) *inimicus* DeLong, 1976g: 28 (from Peru) and *Polana* (*Polana*) *inimica* DeLong & Freytag, 1972f: 282 (from Colombia) should not be treated as homonyms, since both names are nouns in apposition, and their form does not change (ICZN, 1999, Article 31.2.2)

## Megophthalminae Kirkaldy, 1906

### Agalliini Kirkaldy, 1901

*Agallia costaricensis* **nom.nov.**

= *Agallia instabilis* Linnavuori, 1965b: 138 (from Costa Rica) primary homonym of † *Agallia instabilis* Scudder, 1890a: 306 (from Miocene)

**Etymology:** from Costa Rica. The name is an adjective.

*Anaceratagallia glabra* **nom.nov.**

= *Anaceratagallia laevis* (Ribaut, 1935) (original genus *Agallia*; from Europe) primary homonym of *Agallia sinuata* var. *laevis* Bergevin, 1934b: 129 (from Algeria)

**Etymology:** from Latin adjective *glaber*, smooth, hairless.

## **Typhlocybinae Kirschbaum, 1868**

### **Empoascini Distant, 1908**

*Empoasca (Empoasca) luyensis* **nom.nov.**

= *Empoasca (Empoasca) spiculata* Yu & Yang, 2014a: 28 (from China) primary homonym of *Empoasca (Hebata) spiculata* Oman & Wheeler, 1938a: 135 (from the USA).

**Etymology:** The species is named for its type locality, Luya Mountain (China: Shanxi Prov.). The name is an adjective.

### **Erythroneurini Young, 1952**

*Erythroneura browni* Dmitriev & Dietrich, 2007a: 72

= *Erythroneura confusa* Chandler, 2017 in Chandler & Hamilton, 2017a: 945 **syn.nov.**

**Notes:** The vial with dissected genitalia of the holotype specimen of *Erythroneura confusa* Chandler, 2017 contains part of both *Erythroneura browni* Dmitriev & Dietrich, 2007 and *Erasmoneura atra* Johnson, 1935. The pinned body belongs to the former species.

*Erythroneura rubrella* McAtee, 1920a: 316

= *Erythroneura viridis* Chandler, 2017 in Chandler & Hamilton, 2017a: 945 **syn.nov.**

*Eratoneura bigemina* (McAtee, 1920a: 300)

= *Eratoneura hampshirensis* Chandler, 2017 in Chandler & Hamilton, 2017a: 943 **syn.nov.**

*Erythridula frisoni* (Ross & DeLong, 1953a: 80)

= *Erythridula morsei* Chandler, 2017 in Chandler & Hamilton, 2017a: 944 **syn.nov.**

*Erythridula cruciformis* (Beamer, 1930b: 443)

= *Erythridula bassorum* Chandler, 2017 in Chandler & Hamilton, 2017a: 944 **syn.nov.**

## **Achilidae Stål, 1866**

*Neoacus* **nom.nov.**

Type species: *Acus acutulus* Chen, Yang & Wilson 1989

= *Acus* Chen, Yang & Wilson, 1989a: 28 (type species *Acus acutulus* Chen, Yang & Wilson 1989) homonym of *Acus* Grey, 1847 (type species *Buccinum maculatum* Linnaeus, 1758; Mollusca: Gastropoda: Terebridae)

**Etymology:** Greek: νέος (new) + *Acus* Chen, Yang & Wilson, 1989, from Latin *acus*, pin, needle; the gender is masculine.

**Included species:**

*Neoacus acutulus* (Chen, Yang & Wilson 1989) **comb.nov.** (original genus *Acus*)

**Notes:** The name *Acus* Chen, Yang & Wilson, 1989 could not be preserved under ICZN article 23.9 since it was not used as valid in 25 works, published by at least 10 authors.

***Metalticeps* nom.nov.**

Type species: *Alticeps vigilis* Williams, 1977

=*Alticeps* Williams, 1977a: 669 (type species *Alticeps vigilis* Williams, 1977) homonym of *Alticeps* Gistel, 1848: viii (unnecessary replacement name for *Cephalopterus* Geoffroy, 1809; type species *Cephalopterus ornatus*, Geoffroy, 1809)

**Etymology:** Greek: μετα-, different + *Alticeps* Williams, 1977, from Latin: *altus*, tall + *ceps*, head; the gender is masculine.

**Notes:** The name *Alticeps* Williams, 1977 could not be preserved under ICZN article 23.9 since it was not used as valid in 25 works, published by at least 10 authors.

**Included species:**

*Metalticeps vigilis* (Williams, 1977) **comb.nov.** (original genus *Alticeps*)

## Cixiidae Spinola, 1839

### Cixiinae Spinola, 1839

#### Brixiini Emeljanov, 2002

***Brixia bipunctella* nom.nov.**

=*Brixia bipunctata* van Stalle, 1984d: 142 (from Côte d'Ivoire) primary homonym of *Brixia belouvensis bipunctata* Synave 1960d: 143 (synonym of *Brixia belouvensis* Synave, 1960; from Réunion Island, France)

**Etymology:** Latin noun in apposition *bipunctella*, two small dots.

### Cixiini Spinola, 1839

***Cixius bipunctulatus* nom.nov.**

=*Cixius bipunctatus* (Linnaeus, 1767a: 710) (original genus *Cicada*; from Brazil) primary homonym of *Cicada bipunctata* Scopoli, 1763a: 115 (synonym of *Philaenus spumarius* (Linnaeus, 1758a: 437); widespread species)

**Etymology:** Latin adjective *bipunctulatus*, having two small dots.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes to *Cercopis giebeli* **nom.nov.** Since *Cixius bipunctatus* (Linnaeus, 1767) is not a frequently used name, a new replacement name is proposed here.

***Cixius tsauri* nom.nov.**

=*Cixius luridus* Tsaur & Hsu in Tsaur, Hsu & Van Stalle, 1991: 264 **syn.nov.** (from Taiwan) primary homonym of *Booneta lurida* (Walker, 1870: 104) (original genus *Cixius*; from Indonesia)

**Etymology:** The species is named in honor of Shun-Chern Tsaur, an entomologist specializing in Auchenorrhyncha, Research Center for Biodiversity, Academia Sinica (Taipei, Taiwan).

### **Pentastirini Emeljanov, 1971**

*Oliarus vanstallei* **nom.nov.**

=*Oliarus muiri* Van Stalle, 1991a: 38 (from Indonesia) primary homonym of *Oliarus muiri* Giffard, 1925: 66 (from Hawaii)

**Etymology:** The species is named in honor of Jan Van Stalle, an entomologist who specialized in Auchenorrhyncha, Royal Belgian Institute of Natural Science, Belgium.

*Oliarus opalinulus* **nom.nov.**

*Oliarus opalinus* Fennah, 1945a: 421 (from Venezuela) primary homonym of *Oliarus roridus* var. *opalinus* Fieber, 1876a: 202 (synonym of *Pentastira major* Kirschbaum, 1868b: 44; from Europe)

**Etymology:** The name is derived from *Oliarus opalinus* Fennah, 1945, from English opaline + *-ulus*, a diminutive suffix. Treated as a noun in apposition.

**Notes:** The junior homonym could not be preserved under ICZN article 23.9 since the senior homonym was widely used as a valid subspecies name after 1899 and the junior homonym was not used as valid in 25 works, published by at least 10 authors.

*Oliparisca spectabilis* **nom.nov.**

=*Oliparisca inermis* (Van Stalle, 1991a: 76) (original genus *Oliarus*; from Indonesia) primary homonym of *Pentastiridius inermis* (Fennah, 1957) (original genus *Oliarus*; from Democratic Republic of the Congo)

**Etymology:** from Latin adjective *spectabilis*, noteworthy, outstanding

*Pentastiridius (Haliarus) signatus* (Fieber, 1876) **reinstated, comb.nov.**

=*Pentastiridius (Haliarus) obscurus* (Signoret, 1865a: 127) (from Europe) primary homonym of *Cixius obscurus* Walker, 1851a: 347 (synonym of *Achaemenes australis* (Walker, 1851a: 345); from Natal)

**Notes:** The primary homonym *Reptalus obscurus* (Signoret) is replaced with a substitute name, a junior synonym *Pentastiridius (Haliarus) signatus* (Fieber, 1876).

### **Delphacidae Leach, 1815**

#### **Delphacinae Leach, 1815**

##### **Delphacini Leach, 1815**

*Delphax macroptera* Costa, O., 1834: 85 *nomen dubium* (from Italy) primary homonym of *Delphax limbata* var. *macroptera* Germar, 1831: pl.14 (synonym of *Conomelus anceps* (Germar, 1821: 105); from Europe).

**Notes:** Although the name is a homonym, a replacement name is not proposed because the name has not been used since its original publication and the identity of the species has never been established. If the identity of the species is ever recognized, it will be treated as *nomen oblitum* (ICZN article 23.9).

### **Derbidae Spinola, 1839**

#### **Otiocerinae Muir, 1917**

## **Kamendakini Emeljanov, 2006**

*Kamendaka (Kamendaka) pulcherrima* **nom.nov.**

=*Kamendaka (Kamendaka) pulchra* van Stalle, 1984: 48 (originally described as *Kamendaka pulcher*, from Nigeria) secondary homonym of *Kamendaka (Eosaccharissa) pulchra* (Muir, 1917: 71) (original genus *Eosaccharissa*, from Philippines)

**Etymology:** Latin adjective *pulcherrimus*, most beautiful.

**Notes:** Although *Kamendaka pulchra* van Stalle, 1984 was described in the form *Kamendakara pulcher*, the species epithet is an adjective and must be modified to match the gender of the genus name.

## **Zoraidinae Muir, 1913**

### **Zoraidini Muir, 1913**

*Zoraida (Neozoraida) vanstallei* **nom.nov.**

=*Zoraida (Neozoraida) silvicola* van Stalle, 1988 (from Côte d'Ivoire) primary homonym with variable spelling of *Zoraida silvicola* Kirkaldy, 1913 in Muir, 1913: 68 (from Hawaii)

**Etymology:** Named in honor of Jan Van Stalle, an entomologist who specialized in Auchenorrhyncha, Royal Belgian Institute of Natural Science, Belgium.

**Notes:** Although the two species epithets are not spelled identically they must be treated as primary homonyms of variable spelling (ICZN Article 58.2).

## **Dictyopharidae Spinola, 1839**

### **Dictyopharinae Spinola, 1839**

#### **Hastini Emeljanov, 1983**

*Anasta lallemandi* **nom.nov.**

=*Anasta minuta* (Lallemand, 1935: 673) (original genus *Fulgora*, from Indonesia) primary homonym of *Stenocranus (Stenocranus) minutus* (Fabricius, 1787: 262) (original genus *Fulgora*, widespread European species)

**Etymology:** The species is named in honor of Victor Lallemand (1880–1965), a Belgian entomologist who specialized in Auchenorrhyncha.

## **Flatidae Spinola, 1839**

### **Flatinae Spinola, 1839**

#### **Nephesini Melichar, 1923**

*Neomelicharia leopoldi* **nom.nov.**

= *Neomelicharia centralis* (Melichar, 1902: 111) (original genus *Colgar*; from Indonesia) secondary homonym of *Cromna centralis* Walker, 1870: 182 (synonym of *Neomelicharia sparsa* (Fabricius, 1803: 47); from Indonesia)

**Etymology:** in honor of Leopold Melichar (1856–1924), an entomologist who specialized in Hemiptera, Moravian Museum (Brno, Czech Republic)

## Phromniini Melichar, 1923

*Poeciloptera combinata* Walker, 1858b: 110 **reinstated**

= *Poeciloflata modesta* (Donovan, 1805a: 2) (original genus *Cicada*; from Australia) primary homonym of *Amblyscarta modesta* (Fabricius, 1803a: 70) (original genus *Cicada*; from South America)

= *Poeciloflata viridana* var. *luteofasciata* Melichar, 1901: 236. **syn.nov.**

**Notes:** Due to homonymy of the oldest name for this species, the name of the next oldest junior synonym is reinstated as a valid name for this taxon.

## Fulgoridae Latreille, 1807

### Aphaeninae Blanchard, 1847

#### Aphaenini Blanchard, 1847

*Kalidasa albiflos* (Walker, 1851a: 280) **reinstated**

= *Kalidasa lanata* Drury, 1773: 69 (original genus *Cicada*; from Asia) primary homonym of *Lystra lanata* (Linnaeus, 1758a: 438) (original genus *Cicada*; from South America)

= *Aphaena dives* Walker, 1851: 280 **syn.nov.**

= *Euphria walkeri* Atkinson, 1885: 152 **syn.nov.**

**Notes:** Due to homonymy of the oldest name for this species, the name of the next oldest junior synonym is reinstated as a valid name for this taxon.

## Issidae Spinola, 1839

### Issinae Spinola, 1839

#### Hemisphaeriini Melichar, 1906

*Gergithus niger brunnescens* **nom.nov.**

= *Gergithus niger* var. *brunneus* (Melichar, 1906a: 76) (original genus: *Hemisphaerius*; from Malaysia) primary homonym of *Gergithus schaumii* var. *brunneus* (Melichar, 1903: 75) (original genus *Hemisphaerius*, from Sri Lanka)

**Etymology:** Latin non-declinable adjective *brunnescens*, brownish.

*Gergithus schaumii viridescens* **nom.nov.**

= *Gergithus schaumii viridis* (Melichar, 1903: 75) (original genus *Hemisphaerius*; from Sri Lanka) primary homonym of *Hemisphaerius viridis* Walker, 1870: 133 (from Indonesia).

**Etymology:** Latin non-declinable adjective *viridescens*, greenish.

## Ricaniidae Amyot & Serville, 1843

### Ricaniinae Amyot & Serville, 1843

*Lambertoniana* **nom.nov.**

type species *Lambertonia insignis* Lallemand, 1950



=*Lambertonia* Lallemand, 1950: 90 (type species *Lambertonia insignis* Lallemand, 1950) homonym of *Lambertonia* Kieffer, 1901: 159 (type species *Lambertonia abnormis* Kieffer, 1901; synonym of *Omalaspis* Giraud, 1860; Hymenoptera: Figitidae)

**Included species:**

*Lambertoniana insignis* Lallemand, 1950 **comb.nov.** (original genus *Lambertonia*)

**Etymology:** in honor of Prof. Lambertson + suffix -iana (related to). The gender is feminine.

**Palaeontinidae Handlirsch, 1908**

† *Cyllonium* Westwood, 1854a: 395

Type species: *Cyllonium hewitsonianum* Westwood, 1854: 396 **here designated**

**Included species:**

† *Cyllonium boisduvalianum* Westwood, 1854: 395

† *Cyllonium hewitsonianum* Westwood, 1854: 396

**Notes:** The fossil genus was originally described with two species in Lepidoptera based on small wing fragments. It was removed from Lepidoptera by Scudder (1875). The type species of the genus was never designated.

**Order Palaeohemiptera Handlirsch, 1908**

**Suborder Paleorrhyncha Carpenter, 1931**

† *Jassites brodiei* **nom.nov.**

=*Jassites punctatus* (Brodie, 1845a: 33) (original genus *Cicada*) (from Jurassic) primary homonym of *Balclutha punctata* (Fabricius, 1775a: 687) (original genus *Cicada*; widespread species)

**Etymology:** In honor of Peter Bellinger Brodie (1815–1997), an English geologist.

**Notes:** This homonymy is covered by Article 23.9.5 of the Code. See also notes on *Cercopis giebeli* **nom.nov.** Since *Jassites punctatus* (Brodie, 1845) is not a frequently used name, a new replacement name is proposed here.

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